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To: blumenfeld.jared@epa.gov
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Subject: Deliverables in response to 17 July EPA Letter to Secretaries Laird and Rodriguez
Date: Monday, August 18, 2014 6:03:34 PM
Attachments: [Class II Wells Injecting into Non-Hydrocarbon Producing Formations.xlsx](#)
[Class II Wells Injecting into Non-Hydrocarbon Producing Formations.pdf](#)
[Work Plan EPA 8-18-2014 Draft.docx](#)

Dear Mr. Blumenfeld,

This is in response to your letter of 17 July to Secretary Laird, California Natural Resources Agency, and Secretary Rodriguez, California Environmental Protection Agency.

Attached please find three documents, a list of wells for which injection into non-hydrocarbon producing aquifers has been permitted by DOGGR (in excel and pdf formats) and a draft work plan for the UIC Program to be finalized soon pending review and discussion with your staff.

We are making good progress with respect to your request for documents pertaining to State requests for aquifer exemptions, EPA's approvals or denials thereof and appeals. A good deal of documentation has been located responsive to the request, including some industry correspondence to Dave Mitchell in support of the appeal referenced in the Mitchell letters, extensive files on aquifer exemption requests made after primacy was granted, and significant other documentation. These are being delivered electronically to Mr. Moffatt of your legal office. Please note, however, that our search is not finished, and we anticipate encountering more documentation fitting your request going forward.

The continuing search for documentation notwithstanding, the attached and the documents delivered to your legal office earlier today address the requested deliverables for the first 30-day period.

As you know I am new to my position and am learning rapidly the significant work ahead. What I am grateful for is the close working relationship that has existed, and is continuing to develop, between your EPA staff and DOGGR and State Water Board staff. Please be assured that the UIC Program, the program review, and potential regulation development that might be required following the review is a top priority for me and my colleagues.

We look forward to continuing our important work together, and I will be back to you thirty days hence with additional deliverables as requested in your letter.

I look forward to meeting you in person when the opportunity presents itself.

Best regards,

Steve

Steven R. Bohlen
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District Number	Field Name	Area Name	API Number	Lease Name	Well Number	Well Status Code	Top Perforation	Bottom Perforation	True Vertical Depth	Measured Depth	Operator Name	Project Code	Project Well Type	Rescind Date	Reactivation Date	Project Status Code	Project Status Date	Injection Zone	Zone Water DS Amount	Injected Water DS Amount	Original Approval Letter Date	First OFW In Injection Date	Sum OFW In Days Injecting	Sum OFW In Water Steam	Sum OFW In Gas
1	Brea-Clinda	Any Area	05920082	100 Acre	545	A	3620		3619		Linn Operating, Inc.	07000001	WD				12-Oct-07	1ST MIOCENE (Upper "B" Sands)	9000	6844	29-Aug-67	01-Dec-97	8,248	15,583,162	0
1	Sansinena	East	03715336	Sansinena	8 & 19	I	4000		4000		Oxy USA Inc.	66018001	WD			T	30-Apr-90	MIOCENE (D-2 ZONE)			1-Mar-72		31	0	0
1	Whittier	Rideout Heights	03721912	Mitchell Energy Corp	5-19	I	2547		2024		Matrix Oil Corporation	83609002	WD				17-Apr-14	Puente / Miocene M28 through T (zones 4 through 1)				01-Feb-10	118	19,357	0
2	Bardsdale	Any Area	11100431	Dryden	21	I					Vintage Production California LLC	0360004	WD			R							31	0	0
2	Bardsdale	Any Area	11100486	Robertson	21	I	233	624	233		Vintage Production California LLC	0360004	WD			R						01-May-02	31	0	0
2	Bardsdale	Any Area	11120144	Hunter-Robertson	1	A	5248	5468	5221		Vaquero Energy, Inc.	0360003	WD			A	16-Jun-00	"Irwin" Zone - Saugus (Pleistocene) Formation	5100	5100			4,101	452,486	0
2	Chaffee Canyon	Any Area	11121040	Ventura Realty	34X-1	I					Concordia Resources Inc.	1300001	WD			R							962	66,064	0
2	Del Valle	Main	03700263	Handy	4	I	1790	2155	1790		Thompson Oil Co., Inc.	1980003	WD			R						01-Jul-02	9,163	558,485	0
2	Eureka Canyon	Any Area	11120576	Hol-Har	4	A	1880	1990	1880		TEG Oil and Gas USA Inc.	2420001	WD			A	8-Mar-74	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832			8,635	1,821,338	0
2	Holser	Any Area	11100668	Cooke	2	A					Mirada Petroleum Inc.	3040001	WD			A	13-Nov-92	Holser - Modelo (Miocene) Formation	9200	9200			6,615	126,341	0
2	Holser	Any Area	11120808	Bowman	A-2	A					Mirada Petroleum Inc.	3040001	WD			A	13-Nov-92	Holser - Modelo (Miocene) Formation	9200	9200		01-Jan-10	4,976	281,274	0
2	Newhall	Tunnel	03712979	Needham	1	I					Gate King Properties LLC	4982101	WD			R							2,830	10,098	0
2	Newhall	Tunnel	03713148	Needham	1	I					Gate King Properties LLC	4982101	WD			R							488	14,537	0
2	Newhall	Whitney Canyon	03713052	Phillips	1	A					Watt Mineral Holdings LLC	4980003	WD			A	18-Mar-74	"Lower Kraft" Zone - Pico (Pliocene) Formation	6000	6000		01-Jul-02	9,643	10,045,058	0
2	Ojai	Silverthread	11120702	Barker-Ferndale	5	I					Vintage Production California LLC	5201207	WD			R							1,315	277,686	0
2	Ojai	Silverthread	11121271	Hamp	72	A	5420	5920	5420		Vintage Production California LLC	5201207	WD			R						01-Apr-04	10,545	6,440,867	0
2	Oxnard	Any Area	11101047	Vacca Tar Sand Unit	2-1	I					Peak Operator LLC	5300011	WD			R							2,100	1,349,639	0
2	Oxnard	Any Area	11101335	Scholle-Livingston	1	I					Peak Operator LLC	5300011	WD			R						01-Nov-08	416	123,263	0
2	Placerita	Any Area	03700516	Pleasant Community	1	I					Calitic Oil Corp.	5500005	WD			R							20	4,961	0
2	Placerita	Any Area	03700517	Sindell Community	1	I					Calitic Oil Corp.	5500007	WD			R									
2	Placerita	Any Area	03711708	Fehsel	2	I					Calitic Oil Corp.	5500007	WD			R									
2	Placerita	Any Area	03711755	York	8R	I					Linn Operating, Inc.	55000010	WD			R							2,557	5,684,386	0
2	Placerita	Any Area	03713434	Fee	3	I					Calitic Oil Corp.	55000019	WD			R						01-Jun-03	2,252	1,829,973	0
2	Placerita	Any Area	03713437	Fee	6	I					Calitic Oil Corp.	55000007	WD			R							3,623	6,155,805	0
2	Placerita	Any Area	03713442	Fee	11	I					Calitic Oil Corp.	55000019	WD			R							1,189	1,664,581	0
2	Placerita	Any Area	03713868	Sindell Community	2	I					Calitic Oil Corp.	55000019	WD			R							1,492	948,861	0
2	Placerita	Any Area	03722038	York	5R	I					Linn Operating, Inc.	55000010	WD			R							5,421	10,743,055	0
2	Placerita	Any Area	03722040	York	26R	I	1570	1830	1570		Linn Operating, Inc.	55000010	WD			R							1,986	7,891,215	0
2	Placerita	Any Area	03723503	Castruccio	T-18	I					Placerita Oil Co. Inc.	55000004	WD			R						01-Jul-92	1,843	1,897,859	0
2	Rincon	Offshore	21101889	State PRC 145.1	3	I					Rincon Island Ltd. Ptnrshp.	6000610	WD			R		Old Zone					3,305	285,081	0
2	Rincon	Onshore	11101692	Hobson	A-29W	I	7085	8055	7085		Vintage Production California LLC	6000610	WD			R		Old Zone				01-Aug-04	4,720	659,434	0
2	Santa Susana	Any Area	11102497	Broad Oaks	114	I					Vintage Production California LLC	6720001	WD			R						01-Sep-01	1,504	1,062,480	0
2	Sespe	Tar Creek-Topatopa	11102610	Higgins	2	I					Seneca Resources Corporation	6940006	WD			R							196	6,376	
2	Sespe	Tar Creek-Topatopa	11102615	Twilight	2	A	930	2231	930		Seneca Resources Corporation	6940001	WD			A		Rincon-Vaqueros (Miocene) and Upper Sespe (Oligocene)	4600	4600			4,078	215,379	0
2	Sespe	Tar Creek-Topatopa	11120590	Red Rock	67	A	2945	3680	2843		Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000		01-Oct-13	243	31,652	0
2	Sespe	Tar Creek-Topatopa	11120591	Red Rock	68	A	2915	3666	2907		Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000			243	18,159	0
2	Sespe	Tar Creek-Topatopa	11121179	Cal Pac	65-31	I					Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000			406	74,951	0
2	Tapo Canyon, South	Any Area	11104038	South Tapo	7-12	A					Vintage Production California LLC	7460002	WD			R						01-Apr-02	3,997	2,666,465	0
2	Tapo, North	Any Area	11100249	N. L. & F.	W-4	A					Berco Oil Co. N Tapo Lse, LLC	7440001	WD			A	31-Oct-50	Pools "I" - "V" Modelo (Miocene) Formation	6800	6800		01-Jul-04	11,593	1,556,480	0
2	Timber Canyon	Main	11104099	E. P. Clark	15	I					Vintage Production California LLC	7740001	WD			R						01-Feb-99	6,108	444,001	0
2	Torrey Canyon	Any Area	11104204	Torrey	73	I					Vintage Production California LLC	2420001	WD			A	8-Mar-74	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832		01-Feb-02	61	11,190	0
2	Torrey Canyon	Any Area	11104227	Torrey	97	I					Vintage Production California LLC	2420001	WD			A	8-Mar-74	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832		01-Jul-03	61	11,190	0
3	Any Field	Any Area	05321549	Orradre	811-30	A					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Dec-01	8,447	21,398,688	0
3	Any Field	Any Area	05321550	Orradre	831-33	I					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Nov-09	0	0	0
3	Any Field	Any Area	05321583	Orradre	812H-30	A					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Apr-09	5,125	57,051,464	0
3	Any Field	Any Area	05321587	Orradre	813-30	A					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Oct-09	4,181	37,833,857	0
3	Any Field	Any Area	05321739	Orradre	814-30	A					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Jan-11	3,181	15,057,649	0
3	Any Field	Any Area	05321819	Orradre	815-30	A					Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-Feb-12	4,454	32,501,463	0
3	Arroyo Grande	Tiber	07920419	Signal E.T.S.	135	A					Freeport-McMullan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jun-04	10,290	10,508,989	0
3	Arroyo Grande	Tiber	07920426	Signal E.T.S.	140	A					Freeport-McMullan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jan-07	6,419	3,244,201	0
3	Arroyo Grande	Tiber	07920433	Signal E.T.S.	142	I					Freeport-McMullan Oil & Gas LLC	02806007	WD			R		Monterey				01-Jan-80	417	429,919	0
3	Arroyo Grande	Tiber	07920436	Signal E.T.S.	161	I					Freeport-McMullan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jul-03	338	1,075,811	0
3	Arroyo Grande	Tiber	07920498	Signal E.T.S.	169	A					Freeport-McMullan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jun-03	10,255	13,432,649	0
3	Arroyo Grande	Tiber	07920606	Signal E.T.S.	WWD 1	I					Freeport-McMullan Oil & Gas LLC	02806007	WD			R	10-Oct-12	Monterey				01-Aug-04	471	349,073	0
3	Arroyo Grande	Tiber	07920639	Hyla	17H	I					Freeport-McMullan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72		2,467	3,098,796	0

3	Arroyo Grande	Tiber	07920659	Hyla	19H-1	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72			972	111,644	0		
3	Arroyo Grande	Tiber	07920773	Pulas	2	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72		5,605	23,573,444	0			
3	Arroyo Grande	Tiber	07920794	Pulas	3	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72		1,981	5,515,848	0			
3	Arroyo Grande	Tiber	07921105	Pulas	4	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72	01-Nov-11	2,767	3,933,975	0			
3	Arroyo Grande	Tiber	07921154	Pulas	6	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72	01-Dec-12	1,790	1,302,936	0			
3	Arroyo Grande	Tiber	07921202	Pulas	7	A										Freeport-McMoran Oil & Gas LLC	02806003	WD				A							Dollie Zone		1820			18-Jul-72	01-Jun-13	418	116,571	0			
3	Arroyo Grande	Tiber	07921203	Pulas	8	A										Freeport-McMoran Oil & Gas LLC	02806003	WD		20-Mar-13		A						Dollie Zone		1820			18-Jul-72	01-Oct-13	112	37,748	0				
3	Barham Ranch	Old	08300988	Barham	5	A										Sierra Resources, Inc.	03806001	WD				A			10-Oct-12			Monterey		9700	5039					2,465	1,067,855	0			
3	Casmalia	Any Area	08300929	Peshine	1A	A										ERG Operating Company, LLC	12200002	WD				A			28-Mar-14			Monterey		6278	10000	22-Mar-51				12,715	18,093,716	0			
3	Casmalia	Any Area	08300952	Tompkins	7	A		3800				3800				ERG Operating Company, LLC	12200002	WD				A			28-Mar-14			Monterey		6278	10000	22-Mar-51	01-Nov-01		13,418	11,360,349	0				
3	Casmalia	Any Area	08321989	Peshine	46	A						2310				ERG Operating Company, LLC	12200002	WD				A			28-Mar-14			Monterey		6278	10000	22-Mar-51				4,732	4,612,591	0			
3	Cat Canyon	Olivera Canyon	08301482	Williams Holding	C.H. 2WD	I										ERG Operating Company, LLC	12812006	WD				T			31-Aug-85			Sisquoc		3765					01-Jun-03		633	217,441	0		
3	Cat Canyon	Sisquoc	08320724	Pyramid-DT	32X	I										Pyramid Oil Company	12821026	WD				p			3-Jun-13			Monterey						13-Nov-13							
3	Cat Canyon	Sisquoc	08321859	Cantin	39	A										ERG Operating Company, LLC	00000006	WD				A			2-Jul-12			Lombardi/Aurignac/Continental		8000	17700				13-Jul-98	01-May-10	3,442	1,395,762	0		
3	Cat Canyon	West	08301242	Los Flores	3-21	I										Greka Oil & Gas Inc.	12821003	WD				A			2-Jul-12			Sisquoc		2870			7-Jan-75	01-Sep-02	1,528	943,218	0				
3	Elwood	Offshore	28303489	State 421	1	I										Venoco, Inc.	23403001	WD				T			10-Mar-99								20-Jul-71	01-Jan-02	6,422	3,034,075	0				
3	Elwood, South, Offshore	Main	28320033	AMES 3120	4	I										Venoco, Inc.	23606003	WD				C			24-Jan-00										0	0	0	0			
3	Elwood, South, Offshore	Main	28320275	AMES 3242	17	I										Venoco, Inc.	23606003	WD				C			24-Jan-00									12	2,270	0	0	0			
3	Lompoc	Main	08320906	Orcutt Fee	23-35	I										Freeport-McMoran Oil & Gas LLC	41003003	WD				A						Monterey/Knoxville		4860	26826	22-Jan-74				0	0	0	0		
3	Lompoc	Northwest	08321866	Jesus Maria	A83-19	A										Freeport-McMoran Oil & Gas LLC	41006001	WD				A			10-Oct-12			Monterey		6621				01-Jun-10		2,919	6,297,320	0			
3	Lompoc	Northwest	08322150	Jesus Maria	A31-19	A										Freeport-McMoran Oil & Gas LLC	41006001	WD			10-Apr-12	A			10-Oct-12			Monterey		6621						2,910	16,880,939	0			
3	Lynch Canyon	Any Area	05320795	Lanigan	102	A										Eagle Petroleum, LLC	43600003	WD											Santa Margarita		3500	1818	8-Jul-05				2,674	4,068,719	0		
3	Lynch Canyon	Any Area	05322018	Lanigan	WD-2	A										Eagle Petroleum, LLC	43600003	WD				A							Santa Margarita		3500	1818	8-Jul-05	01-Jan-13		1,705	4,710,319	0			
3	Lynch Canyon	Any Area	05322162	Lanigan	WD 3	N						1835				Eagle Petroleum, LLC	43600006	WD				A			17-Oct-13			Lanigan		5800	6700				01-Jan-14		322	936,958	0		
3	McCool Ranch	Any Area	05321118	Brinan A	3	I										Fred Cagle	44800001	WD				T			7-Nov-06								16-Dec-85	01-Nov-03		274	2,861	0	0		
3	McCool Ranch	Any Area	05321120	Brinan A	5	I										Calif. Oil Independents	44800001	WD				T			7-Nov-06								16-Dec-85	01-Jun-05		1,726	623,479	0	0		
3	Monroe Swell	Old	05320865	Doud	8	I										Calif. Oil Independents	47406001	WD				A			2-Jul-12			44 / Doud		4800	7900	27-May-03				576	18,174	0	0		
3	San Ardo	Main	05321007	Orradre	821-1	A		2030	2586	1852						Aera Energy LLC	64403001	WD				A			2-Jul-12			Aurignac		3845	7400	28-Oct-75	01-Jun-87		10,220	65,616,405	0	0			
3	San Ardo	Main	05321008	Orradre	823-1	A										Aera Energy LLC	64403004	WD				A			2-Jul-12			Aurignac		7200	7400	10-Jun-89	01-May-89		9,477	84,365,679	0	0			
3	San Ardo	Main	05321009	Orradre	825-1	A										Aera Energy LLC	64403001	WD				A			2-Jul-12			Aurignac		3845	7400	28-Oct-75	01-Oct-05		4,765	10,145,429	0	0			
3	San Ardo	Main	05321011	Orradre	891-1	A										Aera Energy LLC	64403004	WD				A			2-Jul-12			Aurignac		7200	7400	10-Jun-89	01-Mar-90		8,702	27,573,587	0	0			
3	San Ardo	Main	05321348	Hambey	801-17	A										Aera Energy LLC	64403001	WD				A			2-Jul-12			Aurignac		3845	7400	28-Oct-75	01-Jul-08		7,462	36,319,630	0	0			
3	San Ardo	Main	05321360	Hambey	803-17	A										Aera Energy LLC	64403001	WD				A			2-Jul-12			Aurignac		3845	7400	28-Oct-75	01-Apr-09		8,061	142,231,530	0	0			
3	San Ardo	Main	05321484	Hambey	804-17	A										Aera Energy LLC	64403004	WD				A			2-Jul-12			Aurignac		7200	7400	10-Jun-89	01-Oct-07		7,477	94,484,917	0	0			
3	San Ardo	Main	05321884	Lombardi	7-27	A										Vintage Production California LLC	64406010	WD				A						Santa Margarita		6300			14-May-08	01-Dec-11		2,316	11,113,140	0	0		
3	San Ardo	North	05320282	Rosenberg (NCT-1)	Wi-5	I										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Nov-95		1,148	23,902,933				
3	San Ardo	North	05321216	Rosenberg (NCT-1)	Wi-12	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Feb-93		8,465	118,632,112	0	0		
3	San Ardo	North	05321607	Rosenberg (NCT-1)	Wi-16	I										Chevron U.S.A. Inc.	64406009	WD			19-Feb-13	A							Aurignac		6692	16000	4-May-56	01-Jan-10		3,868	34,056,443	0	0		
3	San Ardo	North	05321866	Rosenberg (NCT-1)	Wi-17	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Nov-11		3,265	26,970,723	0	0		
3	San Ardo	North	05321955	Rosenberg (NCT-1)	Wi-8A	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Feb-09		1,229	344,296	0	0		
3	San Ardo	North	05321956	Rosenberg (NCT-1)	Wi-18	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-May-09		2,351	3,486,258	0	0		
3	San Ardo	North	05322014	Rosenberg (NCT-1)	Wi-20	A		2555		1000						Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56				1,309	2,747,796	0	0	
3	San Ardo	North	05322015	Rosenberg (NCT-1)	Wi-21	A		2450		2449						Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56				1,476	3,031,892	0	0	
3	San Ardo	North	05322016	Rosenberg (NCT-1)	Wi-19	I		2905		2609						Chevron U.S.A. Inc.	64406009	WD			12-May-10	17-Oct-12	A						Aurignac		6692	16000	4-May-56				43	121,800	0	0	
3	San Ardo	North	05322023	Rosenberg (NCT-1)	Wi-9A	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Mar-13		1,485	11,285,401	0	0		
3	San Ardo	North	05322024	Rosenberg (NCT-1)	Wi-22	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Jul-12		1,030	981,293	0	0		
3	San Ardo	North	05322025	Rosenberg (NCT-1)	Wi-24	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Jun-12		1,322	15,010,952	0	0		
3	San Ardo	North	05322026	Rosenberg (NCT-1)	Wi-27	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692	16000	4-May-56	01-Feb-13		585	238,788	0	0		
3	San Ardo	North	05322027	Rosenberg (NCT-1)	Wi-29	A										Chevron U.S.A. Inc.	64406009	WD				A							Aurignac		6692										

4	Buena Vista	Buena Vista Hills	02975577		1A-21D	A		775	1020		Vintage Production California LLC	08006027	WD		4-Aug-10	9-Aug-10	A			TULARE		9167	39737	17-Aug-72	01-Mar-04	8,865	12,929,573		0
4	Buena Vista	Buena Vista Hills	02982559		WI-21	A		388	998		Valley Water Management Company	08006014	WD		3-Dec-10	7-Dec-09	A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Feb-06	6,223	10,326,419		0
4	Buena Vista	Buena Vista Hills	02982560		WI-22	A		445	998		Valley Water Management Company	08006014	WD		3-Sep-10	4-Sep-13	A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Oct-05	9,329	87,633,117		0
4	Buena Vista	Buena Vista Hills	02982561		WI-23	I		431	998		Valley Water Management Company	08006014	WD		8-Jul-03		A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Mar-06	1,065	1,999,742		0
4	Buena Vista	Buena Vista Hills	02982562		WI-24	A		472	998		Valley Water Management Company	08006014	WD		3-Dec-10	7-Dec-09	A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Sep-05	1,396	2,469,889		0
4	Buena Vista	Buena Vista Hills	02982563		WI-25	A		370	998		Valley Water Management Company	08006014	WD		3-Dec-10	22-Feb-13	A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Dec-06	6,180	45,105,667		0
4	Buena Vista	Buena Vista Hills	02982564		WI-26	I		450	998		Valley Water Management Company	08006014	WD		11-Jul-01		A			TULARE (UNSATURATED)			13614	29-Jun-88	01-Mar-06	324	1,604,014		0
4	Buena Vista	Buena Vista Hills	03053085		WI-30	A		425	1000		Valley Water Management Company	46400041	WD				A			TULARE (UNSATURATED)		5898	13614	20-Nov-74	01-Feb-14	81	935,055		0
4	Chico Martinez	Any Area	03039980	Mitchel	35-401	A		3072	1339		CMO, Inc.	16030004	WD				A		8-Jun-14	TULARE		710	13000	8-Jun-14		25	27,257		0
4	Chico Martinez	Any Area	03044445	Mitchel	35-408	A		472	897		CMO, Inc.	16030004	WD				A		8-Jun-14	TULARE		710	13000	8-Jun-14		96	5,231		0
4	Cymric	Welport	02917887	McKittrick Fee	536	A					Chevron U.S.A. Inc.	19024126	WD				A		14-Aug-12	PHACODIDES/OCEANIC		9009	22048	21-Nov-12	01-Nov-13	0	0	0	0
4	Cymric	Welport	02941711	Morris USL	563	I		4620			Freeport-McMolan Oil & Gas LLC	19024012	WD		5-Jan-90		S		27-Apr-87	REEF RIDGE (OUGOCENE)		6095	14448	27-Jan-72	01-Feb-87	0	0	0	0
4	Cymric	Welport	02979440		D6-5A	A		578	1162		Chevron U.S.A. Inc.	19024004	WD		10-Nov-08	18-Nov-09	A			TULARE		7484	156458	12-Dec-86	01-Jun-05	9,044	35,252,225		0
4	Cymric	Welport	02986992		D9-5	A		488	1319		Chevron U.S.A. Inc.	19024004	WD				A			TULARE		7484	156458	12-Dec-86	01-Mar-98	8,495	17,048,848		0
4	Cymric	Welport	03015482		D11-5	A		543	1335		Chevron U.S.A. Inc.	19024004	WD		1-Apr-05	24-May-05	A			TULARE		7484	156458	12-Dec-86	01-Mar-10	3,985	1,218,360		0
4	Cymric	Welport	03032805		D5-7	A		580	1540		Chevron U.S.A. Inc.	19024004	WD				A			TULARE		7484	156458	12-Dec-86	01-Nov-11	2,566	3,228,027		0
4	Cymric	Welport	03032806		D8-9	A		560	1540		Chevron U.S.A. Inc.	19024004	WD				A			TULARE		7484	156458	12-Dec-86	01-Jul-12	2,527	3,446,690		0
4	Cymric	Welport	03037968		D3-1	A		604	1514		Chevron U.S.A. Inc.	19024004	WD				A			TULARE		7484	156458	12-Dec-86	01-Dec-11	1,976	1,373,453		0
4	Deer Creek	Any Area	10720109	Fillipi	107-2	A		690	1010		Modus, Inc.	19400004	WD				A			SANTA MARGARITA		300	340	15-Nov-01		4,341	1,798,022		0
4	Deer Creek	Any Area	10720136	Community	11	A		856	913		Longbow, LLC	19400002	WD				A			SANTA MARGARITA		740	876	30-Apr-01		4,191	3,476,581		0
4	Edison	Chico Gravel	02972458	Porter	1	A		296	1644		Redbank Oil Co.	22212032	WD				A		1-Nov-96	SANTA MARGARITA		444	444	24-Apr-92		2,711	1,849,244	6,086	0
4	Edison	Portals-Fairfax	02966644	Porter	1	A		3363	3463		Redbank Oil Co.	22212032	WD		10-Mar-10		A			SANTA MARGARITA		568	3000	2-May-91		4,179	67,074		0
4	Edison	Race Track Hill	02906388	Racetrack	86-27	A		1035	1350		Nafco Operating Company	22215020	WD		20-Nov-95	5-May-06	A		25-Oct-99	OLECE		5602	570	14-Jun-77	01-Mar-82	6,508	5,581,024		0
4	Elk Hills	Any Area	02961139		21WD-17G	I		557	1278		Occidental of Elk Hills, Inc.	22800002	WD		5-Apr-04		A			TULARE		4668	28000	13-May-81		1,516	3,680,175		0
4	Elk Hills	Any Area	02966694		71WD-18G	I		428	843		Occidental of Elk Hills, Inc.	22800002	WD		25-Oct-13	13-Oct-09	A			TULARE		4668	28000	13-May-81	01-Mar-04	10,630	66,201,900		0
4	Elk Hills	Any Area	02967555		13WD-17G	A		428	4666		Occidental of Elk Hills, Inc.	22800002	WD		10-Apr-09		A			TULARE		4668	28000	13-May-81		3,098	2,525,879		0
4	Elk Hills	Any Area	02973097		68WD-7G	A		459	893		Occidental of Elk Hills, Inc.	22800002	WD		11-Jul-11	22-Jul-11	A			TULARE		4668	28000	13-May-81	01-Sep-04	10,554	49,604,690		0
4	Elk Hills	Any Area	02973098		61WD-18G	A		450	893		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Jan-05	10,671	57,944,144		0
4	Elk Hills	Any Area	02975252		48WD-7G	A		443	893		Occidental of Elk Hills, Inc.	22800002	WD		8-Feb-06		A			TULARE		4668	28000	13-May-81	01-Nov-04	4,034	31,008,245		0
4	Elk Hills	Any Area	02985821		38WD-7G	A		390	605		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Mar-06	8,784	105,936,199		0
4	Elk Hills	Any Area	02985822		58WD-7G	A		310	582		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Oct-94	7,950	34,668,392		0
4	Elk Hills	Any Area	03002301		27WD-7G	A		438	638		Occidental of Elk Hills, Inc.	22800002	WD		4-Sep-12		A			TULARE		4668	28000	13-May-81	01-Apr-07	6,423	54,688,623		0
4	Elk Hills	Any Area	03003239		66WD-12B	A		394	972		Occidental of Elk Hills, Inc.	22800002	WD		5-Apr-06		A			TULARE		4668	28000	13-May-81	01-Sep-05	3,091	5,879,008		0
4	Elk Hills	Any Area	03003240		86WD-12B	A		402	802		Occidental of Elk Hills, Inc.	22800002	WD		5-Apr-06		A			TULARE		4668	28000	13-May-81	01-Jan-08	3,252	13,307,894		0
4	Elk Hills	Any Area	03020255		57WD-18G	A		864	1696		Occidental of Elk Hills, Inc.	22800002	WD		7-Sep-06		A			TULARE		4668	28000	13-May-81	01-Sep-10	1,096	1,735,305		0
4	Elk Hills	Any Area	03020256		67WD-18G	A		905	1763		Occidental of Elk Hills, Inc.	22800002	WD		7-Jul-08		A			TULARE		4668	28000	13-May-81	01-May-10	1,102	2,685,687		0
4	Elk Hills	Any Area	03021008		27WD-18G	A		775	1799		Occidental of Elk Hills, Inc.	22800002	WD		4-Oct-06		A			TULARE		4668	28000	13-May-81	01-Nov-10	896	912,123		0
4	Elk Hills	Any Area	03021009		37WD-18G	A		825	1799		Occidental of Elk Hills, Inc.	22800002	WD		8-Oct-08		A			TULARE		4668	28000	13-May-81	01-Jul-10	900	853,736		0
4	Elk Hills	Any Area	03021378		77WD-13B	A		738	1435		Occidental of Elk Hills, Inc.	22800002	WD		3-Feb-10	11-Mar-10	A			TULARE		4668	28000	13-May-81	01-Nov-10	4,191	33,537,775		0
4	Elk Hills	Any Area	03021379		87WD-13B	A		594	1311		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Jan-11	4,197	33,014,751		0
4	Elk Hills	Any Area	03021380		45WD-13B	A		673	1277		Occidental of Elk Hills, Inc.	22800002	WD		5-Dec-06		A			TULARE		4668	28000	13-May-81	01-Mar-10	4,001	9,139,091		0
4	Elk Hills	Any Area	03022131		57WD-13B	A		704	1364		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Apr-11	4,018	29,501,375		0
4	Elk Hills	Any Area	03022133		85WD-13B	A		746	1437		Occidental of Elk Hills, Inc.	22800002	WD		4-Jun-08		A			TULARE		4668	28000	13-May-81	01-Apr-10	2,032	3,220,805		0
4	Elk Hills	Any Area	03023952		25A-18G	I		724	1415		Elk Hills Power, LLC	22800025	WD				A			TULARE		4560		01-Oct-10		622	2,616,780		0
4	Elk Hills	Any Area	03023953		35A-18G	A		698	1298		Elk Hills Power, LLC	22800025	WD				A			TULARE		4560		01-Apr-11		605	4,623,857		0
4	Elk Hills	Any Area	03024632		38A-WD-8G	A		727	1500		Occidental of Elk Hills, Inc.	22800002	WD		4-Jun-08		A			TULARE		4668	28000	13-May-81	01-Dec-10	1,199	1,159,369		0
4	Elk Hills	Any Area	03025048		25WD-13B	A		730	1411		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Nov-11	2,902	14,407,815		0
4	Elk Hills	Any Area	03025049		35WD-13B	A		760	1692		Occidental of Elk Hills, Inc.	22800002	WD		8-Oct-09	8-Jun-11	A			TULARE		4668	28000	13-May-81	01-Jul-11	2,378	11,100,335		0
4	Elk Hills	Any Area	03025050		47WD-13B	A		684	1685		Occidental of Elk Hills, Inc.	22800002	WD		7-Jun-13		A			TULARE		4668	28000	13-May-81	01-Sep-11	2,449	9,273,825		0
4	Elk Hills	Any Area	03025512		87WD-27R	A		567	1121		Occidental of Elk Hills, Inc.	22800022	WD		3-Dec-10	14-Dec-10	A			L TULARE		5800	27000	7-Apr-04	01-Oct-10	3,468	21,295,461		0
4	Elk Hills	Any Area	03026284		55WD-27R	A		500	924		Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-04	01-Dec-11	3,348	22,606,398		0
4	Elk Hills	Any Area	03026747		24WD-13B	A		779	1207		Occidental of Elk Hills, Inc.	22800002	WD		4-Jun-14		A			TULARE		4668	28000	13-May-81	01-Dec-10	2,667	11,818,915		0
4	Elk Hills	Any Area	03027211		14WD-13B	A		752	1459		Occidental of Elk Hills, Inc.	22800002	WD				A			TULARE		4668	28000	13-May-81	01-Feb-11	3,267	14,372,458		0

4	Elk Hills	Any Area	03027214		44WD-13B	A	741	1661			Occidental of Elk Hills, Inc.	22800002	WD	5-Jan-10		A			TULARE		4668	28000	13-May-81	01-Nov-11	1,419	1,082,879	0
4	Elk Hills	Any Area	03027215		54WD-13B	A	673	1287			Occidental of Elk Hills, Inc.	22800002	WD	6-Apr-10		A			TULARE		4668	28000	13-May-81	01-Nov-11	1,379	2,038,938	0
4	Elk Hills	Any Area	03027985		54WD-27R	A	502	996			Occidental of Elk Hills, Inc.	22800002	WD	6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-04	01-Jan-12	2,847	4,456,120	0
4	Elk Hills	Any Area	03027986		44WD-27R	A	468	894			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Aug-11	3,153	8,182,842	0
4	Elk Hills	Any Area	03027987		75WD-27R	A	563	992			Occidental of Elk Hills, Inc.	22800002	WD	6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-04	01-Feb-11	3,203	21,330,057	0
4	Elk Hills	Any Area	03027988		76WD-27R	A	547	1048			Occidental of Elk Hills, Inc.	22800002	WD	6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-04	01-Nov-11	3,205	18,928,448	0
4	Elk Hills	Any Area	03027989		86WD-27R	A	578	1018			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Dec-11	3,083	22,384,016	0
4	Elk Hills	Any Area	03029340		45WD-27R	A	487	809			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Nov-11	2,893	9,230,694	0
4	Elk Hills	Any Area	03029341		47WD-27R	A	509	874	507		Occidental of Elk Hills, Inc.	22800002	WD	6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-04	01-May-11	2,892	5,779,510	0
4	Elk Hills	Any Area	03029342		48WD-27R	A	537	894			Occidental of Elk Hills, Inc.	22800002	WD	3-Sep-10	13-Sep-10	A			L TULARE		5800	27000	7-Apr-04	01-Feb-12	2,865	6,048,612	0
4	Elk Hills	Any Area	03029343		56WD-27R	A	491	871			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jan-12	2,831	5,295,730	0
4	Elk Hills	Any Area	03029369		58WD-27R	A	549	921	547		Occidental of Elk Hills, Inc.	22800002	WD	6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-04	01-Jul-11	2,850	6,425,269	0
4	Elk Hills	Any Area	03029370		66WD-27R	A	544	951			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Feb-12	2,973	4,504,046	0
4	Elk Hills	Any Area	03029371		77WD-27R	A	572	954			Occidental of Elk Hills, Inc.	22800002	WD	3-Feb-10	16-Nov-10	A			L TULARE		5800	27000	7-Apr-04	01-Apr-12	2,094	2,129,155	0
4	Elk Hills	Any Area	03029372		78WD-27R	A	592	987			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Feb-12	2,831	6,780,570	0
4	Elk Hills	Any Area	03031791		54XWD-18G	A	506	996			Occidental of Elk Hills, Inc.	22800000	WD	6-Oct-09	13-Oct-09	A			TULARE		4668	28000	13-May-81	01-Sep-11	1,524	3,365,956	0
4	Elk Hills	Any Area	03031877		73WD-18G	A	1433	2098			Occidental of Elk Hills, Inc.	22800002	WD	3-Feb-10		A			TULARE		4668	28000	13-May-81		800	695,758	0
4	Elk Hills	Any Area	03031883		56WD-18G	A	746	1700			Occidental of Elk Hills, Inc.	22800002	WD	4-Sep-12		A			TULARE		4668	28000	13-May-81	01-Jan-08	731	1,108,448	0
4	Elk Hills	Any Area	03031884		64XWD-18G	A	543	1359			Occidental of Elk Hills, Inc.	22800002	WD	3-Dec-10		A			TULARE		4668	28000	13-May-81	01-Oct-11	394	328,003	0
4	Elk Hills	Any Area	03033697		15WD-27R	A	516	1033			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jan-12	2,068	7,980,813	0
4	Elk Hills	Any Area	03033698		17WD-27R	A	590	1021			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Aug-12	1,901	6,886,246	0
4	Elk Hills	Any Area	03033699		35WD-27R	A	563	1044			Occidental of Elk Hills, Inc.	22800002	WD	7-Apr-04		A			L TULARE		5800	27000	7-Apr-04	01-Nov-11	1,855	6,796,861	0
4	Elk Hills	Any Area	03033700		36WD-27R	A	546	1016			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jun-11	1,489	648,744	0
4	Elk Hills	Any Area	03033831		34WD-27R	A	528	1032			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Nov-11	2,081	11,309,498	0
4	Elk Hills	Any Area	03035653		14XWD-27R	A	529	1082			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Dec-11	2,038	4,673,144	0
4	Elk Hills	Any Area	03035654		84XWD-28R	A	628	1095			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Dec-11	2,038	13,486,797	0
4	Elk Hills	Any Area	03036658		64WD-23Z	A	673	1264			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-12	1,884	3,070,308	0
4	Elk Hills	Any Area	03036659		65WD-23Z	A	636	1107			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Dec-11	1,884	3,064,677	0
4	Elk Hills	Any Area	03036660		75WD-23Z	A	631	1016			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Nov-12	1,884	3,064,179	0
4	Elk Hills	Any Area	03036661		85WD-23Z	A	500	776			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Nov-12	1,884	1,599,189	0
4	Elk Hills	Any Area	03036662		86WD-23Z	A	669	1007			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-12	1,945	1,635,175	0
4	Elk Hills	Any Area	03036663		87WD-23Z	A	624	1006			Occidental of Elk Hills, Inc.	22800032	WD		14-Mar-14				TULARE/OLIG		4606	23000	16-May-08	01-Sep-12	1,739	2,100,294	0
4	Elk Hills	Any Area	03039914		66WD-23Z	A	783	1495			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Jul-12	1,452	1,756,051	0
4	Elk Hills	Any Area	03039915		76WD-23Z	A	747	1499			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-12	1,452	1,937,157	0
4	Elk Hills	Any Area	03039916		77WD-23Z	A	588	1458			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Mar-13	1,452	1,108,795	0
4	Elk Hills	Any Area	03041230		12WD-27R	A	468	1098			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jun-13	1,067	1,078,796	0
4	Elk Hills	Any Area	03041231		22XWD-27R	A	513	1103			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Oct-13	1,247	3,926,282	0
4	Elk Hills	Any Area	03041234		54WD-23Z	A	662	1497			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Sep-12	1,276	1,001,949	0
4	Elk Hills	Any Area	03041235		55WD-23Z	A	564	1397			Occidental of Elk Hills, Inc.	22800032	WD		28-May-13				TULARE/OLIG		4606	23000	16-May-08	01-Oct-12	814	695,736	0
4	Elk Hills	Any Area	03041236		56WD-23Z	A	589	1400			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-13	515	366,143	0
4	Elk Hills	Any Area	03041407		52WD-28R	A	598	1148			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Apr-13	1,185	5,911,045	0
4	Elk Hills	Any Area	03041408		62WD-28R	A	614	1150			Occidental of Elk Hills, Inc.	22800002	WD	7-Apr-04		A			L TULARE		5800	27000	7-Apr-04	01-Aug-12	1,217	3,417,454	0
4	Elk Hills	Any Area	03041409		82WD-28R	A	562	1323			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Sep-12	1,126	1,640,927	0
4	Elk Hills	Any Area	03041834		11WD-27R	A	558	899			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Dec-13	913	2,573,517	0
4	Elk Hills	Any Area	03041835		21WD-27R	A	448	899			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jul-13	551	178,906	0
4	Elk Hills	Any Area	03041836		51WD-28R	A	647	984			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jul-13	821	2,143,477	0
4	Elk Hills	Any Area	03041837		61WD-28R	A	600	954			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Jul-13	821	1,279,588	0
4	Elk Hills	Any Area	03041838		81WD-28R	A	461	850			Occidental of Elk Hills, Inc.	22800002	WD			A			L TULARE		5800	27000	7-Apr-04	01-Aug-13	700	148,725	0
4	Elk Hills	Any Area	03042354		53WD-23Z	A	645	1425			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG		4606	23000	16-May-08	01-Aug-13	1,064	810,563	0

4	Elk Hills	Any Area	03042355		78WD-23Z	A		540	1438						Occidental of Elk Hills, Inc.	22800032	WD					A					TULARE/OLIG		4606	23000	16-May-08	01-Oct-13	820	614,398	0		
4	Elk Hills	Any Area	03042356		88WD-23Z	A		565	1392						Occidental of Elk Hills, Inc.	22800032	WD					A						TULARE/OLIG		4606	23000	16-May-08	01-Jun-13	1,074	2,266,381	0	
4	Elk Hills	Any Area	03042798		58WD-21R	A		669	1097						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-May-14	882	2,954,754	0	
4	Elk Hills	Any Area	03042799		68WD-21R	A		658	1105						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Jul-13	882	2,528,195	0	
4	Elk Hills	Any Area	03042800		88WD-21R	A		570	994						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Nov-12	851	735,150	0	
4	Elk Hills	Any Area	03042801		18WD-22R	A		485	919						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Mar-14	821	962,004	0	
4	Elk Hills	Any Area	03042802		28WD-22R	A		476	897						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Dec-12	638	402,856	0	
4	Elk Hills	Any Area	03043855		24WD-27R	A		453	902						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Feb-13	610	1,269,298	0	
4	Elk Hills	Any Area	03044228		56WD-21R	A		670	1207						Occidental of Elk Hills, Inc.	22800002	WD					A						TULARE		4668	28000	13-May-81	01-May-14	851	2,875,713	0	
4	Elk Hills	Any Area	03044755		17WD-22R	A		530	1044						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Sep-13	546	574,215	0	
4	Elk Hills	Any Area	03044756		57WD-21R	A		632	1163						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04		735	2,857,509	0	
4	Elk Hills	Any Area	03044757		67WD-21R	A		647	1147						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Apr-14	669	2,864,128	0	
4	Elk Hills	Any Area	03044758		87WD-21R	A		587	1146						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Aug-13	760	1,898,589	0	
4	Elk Hills	Any Area	03045138		16WD-22R	A		506	412						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Mar-14	697	616,505	0	
4	Elk Hills	Any Area	03045139		26WD-22R	A		489	1068						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Oct-13	639	815,805	0	
4	Elk Hills	Any Area	03045140		27WD-22R	A		540	1017						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Feb-13	882	2,489,645	0	
4	Elk Hills	Any Area	03045141		66WD-21R	A		568	1200						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Jul-13	882	2,465,743	0	
4	Elk Hills	Any Area	03045142		86WD-21R	A		524	1044						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Sep-13	636	315,672	0	
4	Elk Hills	Any Area	03045287		22WD-28R	A		543	1048						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-May-14	547	1,286,431	0	
4	Elk Hills	Any Area	03045288		31WD-28R	A		641	1103						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-May-14	547	3,276,217	0	
4	Elk Hills	Any Area	03045289		32WD-28R	A		567	978						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Oct-13	547	1,857,162	0	
4	Elk Hills	Any Area	03045290		42WD-28R	A		608	1072						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Feb-14	547	2,273,262	0	
4	Elk Hills	Any Area	03045327		41WD-28R	A		655	1151						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Mar-14	547	2,430,813	0	
4	Elk Hills	Any Area	03045355		11WD-28R	A		533	968						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Apr-13	547	1,189,508	0	
4	Elk Hills	Any Area	03045356		12WD-28R	A		485	948						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Mar-14	547	774,351	0	
4	Elk Hills	Any Area	03045357		21WD-28R	A		587	1092						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Mar-14	547	1,623,513	0	
4	Elk Hills	Any Area	03045661		37WD-21R	A		662	1182						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Sep-13	212	321,454	0	
4	Elk Hills	Any Area	03045662		38WD-21R	A		661	1169						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Apr-14	212	617,080	0	
4	Elk Hills	Any Area	03045663		45WD-21R	A		693	1237						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Oct-13	212	293,563	0	
4	Elk Hills	Any Area	03045664		46WD-21R	A		708	1250						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Oct-13	212	255,798	0	
4	Elk Hills	Any Area	03045665		47WD-21R	A		679	1208						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Jul-13	212	923,219	0	
4	Elk Hills	Any Area	03045666		48WD-21R	A		670	1184						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Apr-14	212	322,252	0	
4	Elk Hills	Any Area	03045667		55WD-21R	A		668	1194						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Aug-13	212	441,679	0	
4	Elk Hills	Any Area	03045669		75WD-21R	A		494	1029						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Oct-13	153	13,321	0	
4	Elk Hills	Any Area	03045671		15WD-21R	N									Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04					
4	Elk Hills	Any Area	03045672		16WD-21R	N									Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04					
4	Elk Hills	Any Area	03045673		17WD-21R	A		653	1145						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Apr-14	212	426,567	0	
4	Elk Hills	Any Area	03045674		18WD-21R	A		662	1154						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Jun-13	212	715,110	0	
4	Elk Hills	Any Area	03045676		26WD-21R	A		687	1219						Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-Sep-13	181	356,825	0	
4	Elk Hills	Any Area	03045677		27WD-21R	N									Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04					
4	Elk Hills	Any Area	03045678		28WD-21R	N									Occidental of Elk Hills, Inc.	228																					

4	Elk Hills	Any Area	03053847		36WDX-21R	A		678	1237							Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-May-14		0	0		0
4	Elk Hills	Any Area	03053848		65WDX-21R	A		655	1194							Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04						
4	Elk Hills	Any Area	03053849		85WDX-21R	A		489								Occidental of Elk Hills, Inc.	22800022	WD					A						L TULARE		5800	27000	7-Apr-04	01-May-14		0	0		0
4	Elk Hills	Any Area	03054570		63WD-25Z	A										Occidental of Elk Hills, Inc.	22800032	WD					A					TULARE/OLIG		4606	23000	16-May-08							
4	Elk Hills	Any Area	03054571		64WD-25Z	A		728	1414							Vintage Production California LLC	22800032	WD					A					TULARE/OLIG		4606	23000	16-May-08							
4	Elk Hills	Any Area	03054572		74WD-25Z	N		728	1474							Occidental of Elk Hills, Inc.	22800032	WD					A					TULARE/OLIG		4606	23000	16-May-08							
4	Elk Hills	Any Area	03054573		84WD-25Z	A		720								Occidental of Elk Hills, Inc.	22800032	WD					A					TULARE/OLIG		4606	23000	16-May-08							
4	Fruitvale	Main	02950233	State	1	A		2835	2840							Gordon Dole	25609021	WD					A					ETCHEGOIN (FAIRHAVEN)		904	2100	18-May-82		11,428	135,280		0		
4	Fruitvale	Main	02967952	Hensley	5R	A		3452	4435							Summit Energy, LLC	25609051	WD		11-Jul-11	24-Sep-11		A					CHANAC-ROUND MOUNTAIN		3364	4330	10-Oct-96	01-Aug-91	8,270	1,535,851		0		
4	Jasmin	Any Area	02947687	Quinn	14-10	A		2797	2863							Halfway LLC	32800003	WD					A				9-Sep-86	CANTLEBERRY		380	400	11-Oct-73		470	695,954		0		
4	Kern Front	Any Area	02908942	Movius	3	I		2500	2824							Vintage Production California LLC	33800016	WD		6-Feb-08			A					SANTA MARGARITA		1600	362	1-Jul-97	01-Jan-10	2,492	3,172,730		0		
4	Kern Front	Any Area	02908945		2	A		2405	2610							Vintage Production California LLC	33800016	WD					A					SANTA MARGARITA		1600	360	1-Jul-97		3,104	15,662,536		0		
4	Kern Front	Any Area	02948128	Mitchel	75	A		1444	1572							Western States International, Inc.	33800022	WD		1-Apr-11			S			21-Mar-11	CHANAC		390	340	20-Jun-05		214	959,317		0			
4	Kern Front	Any Area	02948513	Judkins	1-7	A		1468	1548							Longbow, LLC	33800023	WD					A			25-Mar-09	CHANAC		390	337	25-Mar-09		641	1,517,595		0			
4	Kern Front	Any Area	02949825	Mitchel	76	I		1474								Western States International, Inc.	33800022	WD		1-Apr-11			S			21-Mar-11	CHANAC		390	340	20-Jun-05		818	304,522		0			
4	Kern Front	Any Area	02949915	Mitchel	65	I		0	0							Western States International, Inc.	33800022	WD		1-Apr-11			S			21-Mar-11	CHANAC		390	340	20-Jun-05		1,306	653,656		0			
4	Kern Front	Any Area	02949916	Mitchel	67	I		0	0							Western States International, Inc.	33800022	WD		1-Apr-11			S			21-Mar-11	CHANAC		390	340	20-Jun-05	01-May-02	2,161	1,052,011		0			
4	Kern Front	Any Area	02950363	Judkins	2-7	A		1441	1553							Longbow, LLC	33800023	WD					A			25-Mar-09	CHANAC		390	337	25-Mar-09		3,799	7,089,597		0			
4	Kern Front	Any Area	02951043	Kern	WWD 1	A		2539	3189							Vintage Production California LLC	33800002	WD		3-Aug-11	11-Aug-12		A					SANTA MARGARITA		2318	400	28-Apr-75	01-Jun-02	5,771	19,139,897		0		
4	Kern Front	Any Area	02961469		D-11	A		2330	2657							Vintage Production California LLC	33800016	WD					A					SANTA MARGARITA		1600	360	1-Jul-97		4,686	16,230,969		0		
4	Kern Front	Any Area	02962979		4-W	I		2840	3425							Bellaire Oil Company	33800011	WD		20-Nov-95			S					SANTA MARGARITA		890	790	19-Aug-88	01-Feb-87	737	2,655,272		0		
4	Kern Front	Any Area	02973065	Movius A	18	A		2470	2699							Vintage Production California LLC	33800021	WD		5-Feb-07			S					SANTA MARGARITA		1600	410	18-Feb-04		522	300,434		0		
4	Kern Front	Any Area	02986511		WD 1	A		2310	2410							Badger Creek Ltd.	33800012	WD					A					SANTA MARGARITA		1500	6400	13-Jun-91	01-Jun-06	7,665	7,518,159				
4	Kern Front	Any Area	03018994	Robinson	B-WD1	A		2774	3152							Vintage Production California LLC	33800018	WD					A					SANTA MARGARITA		1300	740	4-Sep-01	01-Nov-09	2,640	5,898,647		0		
4	Kern Front	Any Area	03019413	Young Fee	WD1	A		2322	2745							Vintage Production California LLC	33800017	WD					T			29-Mar-07		SANTA MARGARITA		1600	630	19-Nov-97	01-Apr-10	3,665	12,682,907		0		
4	Kern Front	Any Area	03019563		WD1	A		2456	2814							Vintage Production California LLC	33800020	WD		3-May-07	12-Sep-07		A					SANTA MARGARITA		1600	493	2-Nov-01	01-Aug-10	3,560	15,780,682		0		
4	Kern Front	Any Area	03032871		WD2	A		2374								Vintage Production California LLC	33800020	WD		6-Aug-12			A					SANTA MARGARITA		1600	493	2-Nov-01	01-Jun-11	1,735	581,079		0		
4	Kern Front	Any Area	03044524	Young Fee	WD2	A		2775	4099							Vintage Production California LLC	33800020	WD					A					SANTA MARGARITA		1600	493	2-Nov-01	01-May-14	515	12,558,786		0		
4	Kern Front	Any Area	03050047	Young Fee	WD3	A		2743	4043							Vintage Production California LLC	33800020	WD					A					SANTA MARGARITA		1600	493	2-Nov-01	01-Jan-14	119	2,457,903		0		
4	Kern River	Any Area	02926346	Overland	31D	A		756	1060							Chevron U.S.A. Inc.	34000045	WD		7-Feb-02	16-Nov-99	S				23-Aug-06	CHANAC/SANTA MARGARITA		3325	854	25-Oct-91	01-Feb-98	6,928	29,276,470		0			
4	Kern River	Any Area	02940729	Government 3	3	A		790	960							Chevron U.S.A. Inc.	34000057	WD		10-Sep-13			A					KERN RIVER		750	690	1-Feb-06	01-Sep-11	651	174,063		0		
4	Kern River	Any Area	02944305	Luck	508	A										Chevron U.S.A. Inc.	19024004	WD					A					TULARE		7484	156458	12-Dec-86		9,449	1,880,883		0		
4	Kern River	Any Area	02951179	Monte Cristo No. 1	10-12B	A										Chevron U.S.A. Inc.	34000005	WD					T					SANTA MARGARITA		2240	290	11-Mar-86		6,698	1,963,268		0		
4	Kern River	Any Area	02955750	H.H. & F.	2D	I		1130	1698							Chevron U.S.A. Inc.	34000030	WD		9-Dec-04			A					CHANAC/SANTA MARGARITA		1400	433.7	8-Jul-77	01-Jun-08	7,656	60,829,823		0		
4	Kern River	Any Area	02961105	Green & Whittier A	WD 1	A		1920	5946							Chevron U.S.A. Inc.	34000046	WD					A					SANTA MARGARITA/VEDDER/FAMOSO		5697	447.6	11-Jul-88	01-Jun-06	2,640	9,445,220		0		
4	Kern River	Any Area	02962003	Ferne	SWD 1	A		2140	2385							Kern River Holdings Inc.	34000016	WD		6-Apr-10	3-May-10		A					SANTA MARGARITA/VEDDER		960	659	5-May-90	01-Sep-03	8,823	19,805,352		0		
4	Kern River	Any Area	02967587	Moneta	65-X	I		1708	5845							Chevron U.S.A. Inc.	34000046	WD		7-Jun-06			A					SANTA MARGARITA/VEDDER/FAMOSO		5697	447.6	11-Jul-88		1,572	19,726,080		0		
4	Kern River	Any Area	02967907	Overland	34WD	A		624	1205							Chevron U.S.A. Inc.	34000045	WD		7-Sep-01			S			23-Aug-06	CHANAC/SANTA MARGARITA		3325	854	25-Oct-91	01-Sep-06	5,983	32,077,873		0			
4	Kern River	Any Area	02969903	Kern A	53-X	I		1510	5897							Chevron U.S.A. Inc.	34000046	WD		3-Feb-10			A					SANTA MARGARITA/VEDDER/FAMOSO		5697	447.6	11-Jul-88		1,876	23,287,465		0		
4	Kern River	Any Area	02970045	San Joaquin	WD 3	A		1400	2048	1312						Chevron U.S.A. Inc.	34000032	WD					A					CHANAC/SANTA MARGARITA		946	421	22-Dec-77	01-Sep-04	4,213	21,447,764		0		
4	Kern River	Any Area	02970046	San Joaquin	WD 4	A		2043	2150							Chevron U.S.A. Inc.	34000035	WD					A					SANTA MARGARITA		1018	450	29-Aug-73	01-Nov-04	6,684	13,814,353		0		
4	Kern River	Any Area	02970047	San Joaquin	WD 5	A		2112	2230							Chevron U.S.A. Inc.	34000035	WD					A					SANTA MARGARITA		1018	450	29-Aug-73	01-Oct-04	4,215	18,330,315		0		
4	Kern River	Any Area	02970048	San Joaquin	WD 6	A		1560	2003							Chevron U.S.A. Inc.	34000035	WD					A					SANTA MARGARITA		1018	450	29-Aug-73	01-Oct-04	4,368	27,068,123		0		
4	Kern River	Any Area	02970049	San Joaquin	WD 7	A		1620	2290							Chevron U.S.A. Inc.	34000032	WD		7-Jul-05	11-Aug-05		A					CHANAC/SANTA MARGARITA		946	421	22-Dec-77	01-Sep-05	4,400	29,415,241		0		
4	Kern River	Any Area	02971717	Overland	35WD	A		818	1087							Chevron U.S.A. Inc.	34000035	WD		7-Feb-02			A					SANTA MARGARITA		1018	450	29-Aug-73	01-May-04	5,321	6,776,533		0		
4	Kern River	Any Area	02972050	KCL 10	2X	A		699	1025							Chevron U.S.A. Inc.	34000010	WD		6-Sep-01	15-Aug-97	S				23-Aug-06	CHANAC/SANTA MARGARITA		694	491	16-May-84		5,212	31,894,780		0			
4	Kern River	Any Area	02973218	Government 3	557	A		1028	1116							Chevron U.S.A. Inc.	34000157	WD					A					KERN RIVER,CHANAC,SANTA MARGAR		1177	690	1-Jan-09	01-Feb-14	363	134,028		0		
4	Kern River	Any Area	02973297	McManus	1 WD	A		700	850							Chevron U.S.A. Inc.	34000019	WD					A					CHANAC		3325	640	19-Jun-87	01-May-04	8,638	21,860,992		0		
4	Kern River	Any Area	02975045	American Naphtha	D1-31	I		1458	2271</																														

	Kern River	Any Area	03010793	Hotchkiss	14D-10	A	991	3226		Chevron U.S.A. Inc.	34000035	WD					SANTA MARGARITA	1018	450	29-Aug-73	01-Aug-08	3,142	20,252,900	0
4	Kern River	Any Area	03010794		WD-1	A	333	1649		Vintage Production California LLC	34000054	WD		A			KERN RIVER	1000	370	27-Apr-98	01-Apr-09	5,539	36,210,826	0
4	Kern River	Any Area	03010795		WD-2	A	563	1675		Vintage Production California LLC	34000054	WD		A			KERN RIVER	1000	370	27-Apr-98	01-Apr-09	5,633	87,990,450	0
4	Kern River	Any Area	03044985	Nukern	WD-2	A	2163	2363		Kern River Holdings Inc.	34000048	WD		A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Jun-14	791	1,821,766	0	
4	Kern River	Any Area	03044986	Nukern	WD-3	A	2125	2350		Kern River Holdings Inc.	34000048	WD		A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92		760	1,604,620	0	
4	Kern River	Any Area	03046344	Gray	WD-1	A	772	1008		Gray Development Co. LLC	34000158	WD		A	2-Mar-11	SANTA MARGARITA	500	2200	11-Jan-12	01-Jan-14	528	150,572	0	
4	Kern River	Any Area	03050678	Ferne	SWD-2	A	2195	2470		Kern River Holdings Inc.	34000048	WD		A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Apr-14	370	490,532	0	
4	Kern River	Any Area	03050753	Orloff	SWD-1	A	2233	2447		Kern River Holdings Inc.	34000048	WD		A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Dec-13	161	595,468	0	
4	Lost Hills	Any Area	03003066		7-10D	A				Chevron U.S.A. Inc.	46400139	WD		S	27-Jul-01	TULARE/POTTER	5888	7103	20-Jun-94				0	
4	Lost Hills	Any Area	03023231		WD1-1	A	445	1810		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Aug-10	2,281	243,131	0	
4	Lost Hills	Any Area	03032808		WD3-3	A	750	980		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Feb-12	2,283	1,508,316	0	
4	Lost Hills	Any Area	03032810		WD5-5	A	775	1025		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Jan-12	2,309	1,610,521	0	
4	Lost Hills	Any Area	03032811		WD6-6	A	753	1010		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Oct-11	2,309	1,414,580	0	
4	Lost Hills	Any Area	03032872		WD7-7	A	780	1060		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Jan-12	2,309	1,452,025	0	
4	Lost Hills	Any Area	03033947		WD2-2R	A	765	980		Chevron U.S.A. Inc.	43200040	WD		A		TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Jan-12	2,332	1,088,002	0	
4	Lost Hills	Any Area	03033948		WD4-4R	A	790	965		Chevron U.S.A. Inc.	43200040	WD	5-Jan-10	25-Jan-10	A	TULARE/ETCHEGOIN	4375	24324	10-Jun-04	01-Jul-12	2,332	464,711	0	
4	Lost Hills, Northwest	Any Area	03009008	Union Bank	W1-1-12	A	1496	1506		Proteus Energy California, LLC	43400001	WD		A		ETCHEGOIN	35469	12-Nov-97	01-Jul-08	5,599	1,262,845	0		
4	McKittrick	Northeast	02958657		9-2	A	420	798		Linn Operating, Inc.	45406003	WD	4-Jun-08	25-Feb-10	A	TULARE (UPPER/AIR SANDS)	1975	3124	3-Nov-80		2,894	2,516,968	0	
4	McKittrick	Northeast	02960351	Gabriel	13-12	A	524	900		Griffin Resources, LLC	45406021	WD	6-Feb-08	27-Feb-08	A	TULARE	6800	3600	16-May-95		6,966	1,288,149	6	
4	McKittrick	Northeast	02979339	Giant	10-WW	A	160	584		Chevron U.S.A. Inc.	45406014	WD	7-Aug-00		S	16-Jun-10	TULARE	2740	12460	20-Nov-84	01-Oct-04	4,506	8,309,328	0
4	McKittrick	Northeast	02979439	Del Monte	3-WW	A	273	589		Chevron U.S.A. Inc.	45406014	WD	8-Aug-05		S	16-Jun-10	TULARE	2740	12460	20-Nov-84	01-Oct-04	5,920	3,215,816	0
4	McKittrick	Northeast	03001169		8W 5	A	350	540		Linn Operating, Inc.	45406003	WD	10-Apr-07	25-Jan-10	A	13-May-09	TULARE (UPPER/AIR SANDS)	1975	3124	3-Nov-80	01-Mar-99	3,367	2,014,291	0
4	McKittrick	Northeast	03042399		WD 3	A	310	380		Linn Operating, Inc.	45406003	WD			A	13-May-09	TULARE (UPPER/AIR SANDS)	1975	3124	3-Nov-80	01-Jun-13	943,515	0	
4	Midway-Sunset	Any Area	02950031		Wi-2	I	500	900		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Sep-02	764	1,913,426	0
4	Midway-Sunset	Any Area	02952612		Wi-4	I	478	972		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jul-02	2,107	20,960,837	0
4	Midway-Sunset	Any Area	02954269	555 S.Z. Unit	5WD-19B	I	536	1408		Vintage Production California LLC	08006021	WD	6-Oct-09		A		TULARE	4212	26000	5-Sep-89	01-Apr-02	10,439	23,998,271	0
4	Midway-Sunset	Any Area	02954270	555 S.Z. Unit	4WD-19B	A	515	1398		Vintage Production California LLC	08006021	WD	6-Oct-09		A		TULARE	4212	26000	5-Sep-89	01-Jul-02	9,972	18,586,459	0
4	Midway-Sunset	Any Area	02958569	Bremer	55SWD	A	1790	2250		Freepport-McMoffan Oil & Gas LLC	46400278	WD		A		SPELLACY	3117	56766	31-Aug-07	01-Jun-92	3,270	1,862,401	0	
4	Midway-Sunset	Any Area	02959935	Bremer	O-124-16	A	1726	2550		Freepport-McMoffan Oil & Gas LLC	46400278	WD	2-Dec-09	7-Dec-09	A		SPELLACY	3117	56766	31-Aug-07	01-Mar-11	1,842	795,256	0
4	Midway-Sunset	Any Area	02963183	Fairfield	85	A	1374	1457		Linn Operating, Inc.	46400036	WD			A		POTTER	2800	5686	28-Mar-69	01-Jul-13	678	3,774,491	0
4	Midway-Sunset	Any Area	02964256	Santiago Creek	WD1	A	900	1657		Holmes Western Oil Corporation	46400172	WD			A		TULARE	9590	12321	9-Oct-02	01-Nov-02	6,993	7,103,808	0
4	Midway-Sunset	Any Area	02972262	Santiago Creek	WD2	A	1120	2440		Holmes Western Oil Corporation	46400172	WD			A		TULARE	9590	12321	9-Oct-02	01-Apr-04	5,737	6,084,900	0
4	Midway-Sunset	Any Area	02978246		Wi-6	A	468	1100		Valley Water Management Company	46400041	WD	1-Apr-11	7-Dec-09	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jan-05	2,954	10,492,389	0
4	Midway-Sunset	Any Area	02978248		Wi-8	A	441	1100		Valley Water Management Company	46400041	WD	7-Feb-02		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-05	5,497	59,907,362	0
4	Midway-Sunset	Any Area	02978250		Wi-10	A	603	1100		Valley Water Management Company	46400041	WD	10-Jan-05	23-Dec-03	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-05	2,107	1,867,638	0
4	Midway-Sunset	Any Area	02978251		Wi-11	I	522	1100		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-05	1,471	8,473,165	0
4	Midway-Sunset	Any Area	02982555		Wi-17	A	399	998		Valley Water Management Company	46400041	WD	8-Dec-03	19-Dec-06	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Apr-06	5,581	17,415,703	0
4	Midway-Sunset	Any Area	02982556		Wi-18	A	519	998		Valley Water Management Company	46400041	WD	5-Jan-10	23-Apr-09	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Mar-05	3,358	8,794,863	0
4	Midway-Sunset	Any Area	02982557		Wi-19	A	389	998		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jan-05	9,350	139,212,522	0
4	Midway-Sunset	Any Area	02982558		Wi-20	A	556	994		Valley Water Management Company	46400041	WD	7-Jan-02	18-Dec-95	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Oct-05	2,310	5,351,323	0
4	Midway-Sunset	Any Area	02982689	Fairfield	166	A	1410	1545	1480	Linn Operating, Inc.	46400036	WD			A		POTTER	2800	5686	28-Mar-69		471	110,852	0
4	Midway-Sunset	Any Area	02983271	C. E. Houchin et al	WDW 1-9	I	1092	1920		Jac Production Company	46400101	WD	5-Oct-98	17-Sep-90	S		MONARCH (SPELLACY)	3243	1300	29-Aug-88	01-May-05	3,065	2,287,662	0
4	Midway-Sunset	Any Area	02987893	Ripley-Tatum	T-34	A	354	550		Seneca Resources Corporation	46400251	WD			A		TULARE/SAN JOAQUIN	4770	9249	4-Jun-08		2,061	1,035,738	0
4	Midway-Sunset	Any Area	03010079		S10	A				Chevron U.S.A. Inc.	19024004	WD			A		TULARE	7484	156458	12-Dec-86				0
4	Midway-Sunset	Any Area	03021169	Western Minerals NCT-1	WD3	A	955	3614		Holmes Western Oil Corporation	46400172	WD	2-Jul-09	14-Jul-09	A		TULARE	9590	12321	9-Oct-02	01-Mar-12	2,856	2,707,530	0
4	Midway-Sunset	Any Area	03021170	Western Minerals NCT-1	WD4	A	973	2200		Holmes Western Oil Corporation	46400172	WD	2-Dec-09	7-Dec-09	A		TULARE	9590	12321	9-Oct-02	01-Apr-10	3,861	5,958,102	0
4	Midway-Sunset	Any Area	03024364	Western Minerals NCT-1	30	A	990	1264		Holmes Western Oil Corporation	46400003	WD			T		ANTELOPE SANDS	6888	9661	22-Apr-81		874	736,183	0
4	Midway-Sunset	Any Area	03040556		Wi-27	A	400	1000		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jun-13	1,439	7,702,245	0
4	Midway-Sunset	Any Area	03040557		Wi-28	A	425	1000		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Oct-12	1,439	7,317,805	0
4	Midway-Sunset	Any Area	03048983	Fairfield Fee D	WD 11	A	612	837		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Oct-13	515	758,654	0
4	Midway-Sunset	Any Area	03048984	Fairfield Fee D	WD 21	A	575	850		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Nov-12	577	328,752	0
4	Midway-Sunset	Any Area	03048985	Fairfield Fee D	WD 26	A	595	816		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Sep-13	515	336,445	0
4	Midway-Sunset	Any Area	03048986	Fairfield Fee D	WD 35	A	427	625		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Aug-13	577	679,458	0
4	Midway-Sunset	Any Area	03048987	Fairfield Fee D	WD 40	A	348	628		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Jul-13	577	490,421	0
4	Midway-Sunset	Any Area	03048989	Fairfield Fee D	WD 30	A	609	838		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-May-14	546	958,092	0

4	Midway-Sunset	Any Area	03048990	Fairfield Fee D	WD 36	A		573	821			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Sep-13	515	1,556,500	0	
4	Midway-Sunset	Any Area	03048991	Fairfield Fee D	WD 45	A		635	745			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Oct-13	577	376,928	0	
4	Midway-Sunset	Any Area	03048992	Fairfield Fee D	WD 49	A		765	855			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Sep-13	515	337,577	0	
4	Midway-Sunset	Any Area	03051198	Fairfield Fee D	WD 29	A		650	734			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Nov-13	365	438,961	0	
4	Midway-Sunset	Any Area	03051199	Fairfield Fee D	WD 33	A		740	804			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Dec-13	334	315,418	0	
4	Midway-Sunset	Any Area	03051200	Fairfield Fee D	WD 38	A		442	611			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Dec-13	334	419,039	0	
4	Midway-Sunset	Any Area	03051201	Fairfield Fee D	WD 43	A		383	574			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Nov-13	365	506,373	0	
4	Midway-Sunset	Any Area	03051202	Fairfield Fee D	WD 47	A		422	584			Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Jan-14	365	350,158	0	
4	Midway-Sunset	Any Area	03051203	Fairfield Fee D	WD 51	N						Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88	01-Jul-13			0	
4	Midway-Sunset	Any Area	03053084		WI-29	A		400	1000			Valley Water Management Company	46400041	WD			A			TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jan-14	92	711,096	0	
4	Midway-Sunset	Any Area	03053415	Fairfield Fee D	WD 55	N						Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88				0	
4	Midway-Sunset	Any Area	03053416	Fairfield Fee D	WD 56	N						Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88				0	
4	Midway-Sunset	Any Area	03053417	Fairfield Fee D	WD 65	N						Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88				0	
4	Midway-Sunset	Any Area	03055802	Fairfield Fee D	WD 57	N						Linn Operating, Inc.	46400074	WD			A			TULARE	5898	8844	4-Nov-88				0	
4	Mount Poso	Baker-Grover	02958273	Tribe-B	65WD-28	A		559	683			Pace Diversified Corporation	48803002	WD			A		7-May-99	OLCESE	1200	1200	20-Jun-78	01-Nov-93	11,820	2,696,910	0	
4	Mount Poso	Domination	02942966	Kelley-Knapo	8	I		1494				SOC Resources, Inc.	48806004	WD			S		26-Jun-01	OLCESE	539	0	19-Feb-82	01-Feb-03	1,072	928,468	0	
4	Mount Poso	Main	02912893	Vedder	52P	A						Vintage Production California LLC	01800001	WD			A			OLCESE	1390	3600	19-Feb-82	01-Nov-94	1,039	116,031	0	
4	Mount Poso	Main	02947370	Vedder-Rail	W.D. 314	I		2365	2785			Vintage Production California LLC	48815017	WD		4-May-00	14-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Aug-02	7,568	113,909,729	0	
4	Mount Poso	Main	02947371	Vedder-Rail	W.D. 316	I		2368	2790			Vintage Production California LLC	48815017	WD		4-May-00	19-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Aug-02	7,494	106,220,116	0	
4	Mount Poso	Main	02950412	Shapiro	234	A		1760	2270			SOC Resources, Inc.	48815019	WD				A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74	01-Jul-77	3,928	25,953,960	0
4	Mount Poso	Main	02950650	Tribe A	30	I		213	583			Pace Diversified Corporation	48815022	WD		3-May-99		A		OLCESE	914	1505	27-Feb-75	01-Mar-02	4,297	12,810,083	0	
4	Mount Poso	Main	02950738	Shapiro	222	A		1860	2160			SOC Resources, Inc.	48815019	WD		1-Jul-10	18-Apr-11	A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74	01-Feb-98	3,192	15,786,848	0
4	Mount Poso	Main	02957201	Rench	WD 346	I		1656	2398			Vintage Production California LLC	48815017	WD		3-Jan-01	17-Jan-97	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Jan-03	6,348	183,281,644	0	
4	Mount Poso	Main	02965841	Vedder-Rail	WD 325	A		2340	2729			Vintage Production California LLC	48815017	WD				A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Sep-03	11,076	143,248,629	0	
4	Mount Poso	Main	02967085	Shapiro	365 WD	A		1840	2551			SOC Resources, Inc.	48815019	WD				A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74	01-Jun-13	960	3,052,065	0
4	Mount Poso	Main	02967509	B.N.B.	256	A		1751				SOC Resources, Inc.	48815019	WD				A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74		3,165	3,453,656	0
4	Mount Poso	Main	02968645	Vedder-Rail	WD 143	I		2069	2820			Vintage Production California LLC	48815017	WD		4-May-00	19-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Mar-06	4,989	46,938,860	0	
4	Mount Poso	Main	02968733	Matthew Fee	232WD	A		2000	2620			Vintage Production California LLC	48815017	WD				A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Dec-06	10,349	148,499,629	0	
4	Mount Poso	Main	02968734	Matthew Fee	263WD	I		1881	2518			Vintage Production California LLC	48815017	WD		6-Jan-99	29-Jan-97	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-May-04	3,550	29,340,375	0	
4	Mount Poso	Main	02968909	Vedder-Rail	WD 131R	A		1970	2690			Vintage Production California LLC	48815017	WD		4-May-00	19-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Dec-03	5,366	44,460,202	0	
4	Mount Poso	Main	02969364	Vedder	WD 881	I		1492	2096			Vintage Production California LLC	48815017	WD		4-May-00	14-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Dec-03	5,074	56,693,044	0	
4	Mount Poso	Main	02973976	Matthew Fee	272WD	I		1829	2428			Vintage Production California LLC	48815017	WD		9-Aug-01		A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Jun-04	4,731	106,748,051	0	
4	Mount Poso	Main	02974055	Matthew Fee	276WD	I		1878	2341			Vintage Production California LLC	48815017	WD		6-Jan-99	3-Jun-13	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Jul-04	4,548	87,497,712	0	
4	Mount Poso	Main	02974716	Tribe A	14	I		2092	2515			Pace Diversified Corporation	48815014	WD		4-Oct-95		S		21-Nov-97	VEDDER	1652	1500	18-Mar-85	01-Sep-03	1,947	2,279,411	0
4	Mount Poso	Main	02976530	Sarrett Fee	445WD	I		1934	2315			Vintage Production California LLC	48815017	WD		4-Feb-99		A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Feb-05	4,467	16,569,131	0	
4	Mount Poso	Main	02976604	Shapiro	132	I						SOC Resources, Inc.	48815019	WD				A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74				0
4	Mount Poso	Main	02976605	Shapiro	134	A		1764	1866			SOC Resources, Inc.	48815019	WD		4-Jan-11	15-Nov-10	A		30-May-01	VEDDER/WALKER	1069	600	2-Dec-74	01-May-11	1,823	29,003,280	0
4	Mount Poso	Main	02982922	Vedder-Rail	WD 155R	A		1987	2463			Vintage Production California LLC	48815017	WD		7-May-01	14-Apr-99	A		PYRAMID HILL/VEDDER	2900	1530	15-Jul-69	01-Feb-06	4,317	79,068,689	0	
4	Mount Poso	West	02914048	Ring 18	9	A		600	2460			Macpherson Operating Company, L.P.	48818026	WD				A		VEDDER	2199	4980	16-Oct-86		1,714	10,998,825	30	
4	Mount Poso	West	02914064	Ring 20	3	A		920	1130			Macpherson Operating Company, L.P.	48818029	WD		8-Sep-06		A		OLCESE	2328	8700	16-Dec-74	01-Apr-02	10,304	51,802,169	0	
4	Mount Poso	West	02987404	Ring 18	21	A		2380	2423			Macpherson Operating Company, L.P.	48818026	WD		6-Oct-09	14-Oct-09	A		VEDDER	2199	4980	16-Oct-86		1,154	4,731,047	30	
4	Mount Poso	West	03042925	Ring 18	WD-1	A		2430	2797			Macpherson Operating Company, L.P.	48818026	WD		11-Aug-11	1-Sep-11	A		VEDDER	2199	4980	16-Oct-86	01-May-13	908	4,347,178	0	
4	Mountain View	Arvin	02914595	George	19	I		2928	3600			Sunray Petroleum, Inc.	49003001	WD		11-Feb-04	15-Nov-01	S		31-Aug-05	KERN RIVER	964	1200	19-Feb-82	01-Aug-03	2,861	465,479	0
4	Mountain View	Arvin, West,	02946454	Richards	1-1	A		6078	6666			Petro Capital Resources, LLC	49006013	WD		4-Aug-10	9-Aug-10	A		25-Feb-97	KERN RIVER/CHANAC/SNTA MARG	5110	4300	4-Aug-93		4,578	241,598	0
4	Mountain View	Main	02914276	Mott	1	I		3890	4473			Bennett Petroleum, Inc.	49012010	WD		4-Mar-08		A		4-Mar-87	KERN RIVER/CHANAC	1232	3200	5-Apr-74	01-Nov-01	2,736	224,304	0
4	Poso Creek	Enas	02916041	Cuccia-U.S.L.	76																							

4	Poso Creek	Premier	02958585	USL	12-4	A	2200	2391		E & B Natural Resources Management Corporation	56609019	WD		19-Jan-07	A		BASAL CHANAC/SANTA MARGARITA	570	2300	16-Feb-88		9,499	20,733,323	0
4	Poso Creek	Premier	02959841	Federal	8-1	A	2916	3750		E & B Natural Resources Management Corporation	56609020	WD		6-May-06	A		CHANAC/SANTA MARGARITA	2734	3120	18-Sep-84		7,772	18,646,566	0
4	Poso Creek	Premier	02975129	Midway Premier	62	A	2880	3380		E & B Natural Resources Management Corporation	56609009	WD		10-Mar-10	5-Apr-10	A	SANTA MARGARITA	1486	1780	1-Aug-75	01-Dec-11	7,603	37,922,454	0
4	Poso Creek	Premier	02984583	USL	2-6	A	2660	2860		E & B Natural Resources Management Corporation	56609019	WD			A		BASAL CHANAC/SANTA MARGARITA	570	2300	16-Feb-88		1,375	1,142,048	0
4	Poso Creek	Premier	03033614	New Hope	21WD	A	2295	2500		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85	01-Dec-11	1,949	34,247,499	0
4	Poso Creek	Premier	03033616	New Hope	23WD	A	2295	2530		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85		1,332	10,447,824	0
4	Poso Creek	Premier	03034634	New Hope	24WD	A	2330	2530		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85		1,035	3,480,371	0
4	Poso Creek	Premier	03034900	New Hope	12WD	A	2640	2810		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85	01-Jul-12	1,493	20,394,012	0
4	Poso Creek	Premier	03047816	Keating USL	WD1	A	2465	2887		Hathaway LLC	56609039	WD			A	24-Feb-12	Santa Margarita					693	1,380,721	0
4	Poso Creek	Premier	03050777	Section 21	WD5	A	2756	3299		E & B Natural Resources Management Corporation	56609015	WD			A		ETCHEGOIN/SANTA MARGARITA	1486	1390	10-Oct-72				
4	Poso Creek	Premier	03054678	Section 5	WD 1R	A	3005	3299		E & B Natural Resources Management Corporation	56609034	WD			A		CHANAC/SANTA MARGARITA	4000	1440	2-Feb-98				
4	Rosedale Ranch	Northeast	02985041	Lerdo	2	A	3766	4136		Tower Exploration, LLC	62606009	WD		4-Jan-11	3-Feb-10	A	CHANAC	7000	19000	31-May-91	01-Jan-07	6,301	1,032,475	0
4	Round Mountain	Coffee Canyon	02942612	Pearce	7-1	A	1567	1872		Macpherson Oil Company	62806003	WD		1-Mar-11	10-Dec-09	A	PYRAMID HILL/VEDDER	1265	1440	29-Jul-76	01-Sep-01	12,037	78,004,567	22
4	Round Mountain	Coffee Canyon	02976603	Caldwell	13	A	2070	2140		Arthur McAdams	62806009	WD		6-Oct-09	13-Oct-09	A	PYRAMID HILL/VEDDER	1980	1000	16-May-75	01-Jun-04	4,595	5,921,824	0
4	Round Mountain	Coffee Canyon	03049700	West Signal	WD-8R	A	1891	3185		Macpherson Oil Company	62806005	WD			A		WALKER	1265	1600	19-Feb-82	01-Aug-13	390	1,529,666	0
4	Round Mountain	Main	02918136	Newbery-Gibson	8	A	2450	2596		Face Diversified Corporation	62809012	WD		5-Nov-07	7-Dec-07	A	VEDDER/WALKER	2000	3800	5-May-87	01-Dec-95	5,467	1,025,969	0
4	Round Mountain	Main	02946951		WD-1	A	2256	2718		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jan-06	10,241	170,158,386	53
4	Round Mountain	Main	02947362		WD-2	A	2349	2650		Macpherson Oil Company	62809014	WD		2-Nov-10		A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Jun-02	8,370	88,669,346	54
4	Round Mountain	Main	02947441	Olcese	WD-342	A	2170	2638		Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Jul-02	13,356	179,167,808	55
4	Round Mountain	Main	02947543	Jewett	WD-227	A	2018	2569		Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Nov-01	13,402	49,362,391	56
4	Round Mountain	Main	02969119		WD 1	A	2095	2669		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Aug-04	9,731	142,827,922	57
4	Round Mountain	Main	02969120		WD 2	A	2503	2847		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-04	6,688	68,447,130	58
4	Round Mountain	Main	03009336		WD-4	A	2144	2584		Macpherson Oil Company	62809014	WD		8-Oct-08		A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Jun-07	3,307	34,357,049	32
4	Round Mountain	Main	03018762		1220	A	2520	2710		Macpherson Oil Company	62809022	GD				A	WALKER	3960	6770	14-Sep-06		2,163	794,713	183,339
4	Round Mountain	Main	03022157		WD-6	A	2359	2755		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-May-11	4,004	176,065,195	71
4	Round Mountain	Main	03031655	KCL	WD-1	A	2428	2870		Macpherson Oil Company	62809014	WD		4-Oct-10	25-Oct-10	A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-11	2,615	61,636,185	76
4	Round Mountain	Main	03031656	Thomas	WD-1	A	2351	2863		Macpherson Oil Company	62809014	WD		10-Mar-09	23-Mar-10	A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-12	2,615	71,366,624	77
4	Round Mountain	Main	03033731		WD-7	A	2554	3450		Macpherson Oil Company	62809014	WD		2-Jul-09	6-Jul-09	A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-12	2,200	35,233,563	78
4	Round Mountain	Main	03035699	KCL	WD-2	A	2480	2976		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-12	2,128	39,277,138	79
4	Round Mountain	Main	03037954		WD-3	A	1953	3310		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72		1,784	13,193,458	88
4	Round Mountain	Main	03040869	Thomas	WD-2	A	2208	3526		Macpherson Oil Company	62809014	WD		1-Mar-11	9-Mar-11	A	VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-12	1,459	46,417,662	90
4	Round Mountain	Main	03041397		WD-8	A	2196	3236		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-May-13	1,285	19,129,709	65
4	Round Mountain	Main	03042188		WD-9	A	2388	3545		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Feb-14	1,050	712,469	68
4	Round Mountain	Main	03043514	Thomas	TOW-2	A	2466	2796		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-14	485	13,367,249	0
4	Round Mountain	Main	03043896		WD-10	A	2067	3300		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-14	955	6,081,072	0
4	Round Mountain	Main	03044556	KCL	WD-3	A	2400	3477		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Mar-14	942	1,680,737	0
4	Round Mountain	Main	03046642	USL 18	WD-12	A	2368	3497		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Nov-13	584	562,256	0
4	Round Mountain	Main	03046643	USL 18	WD-13	A	2390	3497		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Oct-13	705	9,017,259	0
4	Round Mountain	Main	03046653	KCL	WD-4	A	2469	3496		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jul-13	638	2,367,240	0
4	Round Mountain	Main	03050073	Jewett 3	678	A	2515	2595		Macpherson Oil Company	62809022	GD			A		WALKER	3960	6770	14-Sep-06	01-Oct-13	7	700	0

3	Round Mountain	Main	03051196			WD-16	A	2408	3047			Macpherson Oil Company	62809014	WD			A			VEDDER/WALKER	1967	2310	17-Jul-72	01-Feb-14	127	199,272	0
4	Round Mountain	Main	03051197			WD-17	A	2416	3097			Macpherson Oil Company	62809014	WD			A			VEDDER/WALKER	1967	2310	17-Jul-72	01-Oct-13	115	64,233	0
4	Round Mountain	Main	03051959	Olcese 1		WD-343R	A	2644	4895			Macpherson Oil Company	62809015	WD			A			OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Nov-13	184	1,654,239	0
4	Round Mountain	Main	03051960	Olcese 1		WD-344	A	2173	2936			Macpherson Oil Company	62809015	WD			A			OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Mar-14	194	4,232,132	0
4	Round Mountain	Main	03054306			WD 4H	N					Macpherson Oil Company	62809014	WD			A			VEDDER/WALKER	1967	2310	17-Jul-72				0
4	Round Mountain	Sharktooth	02918114	Bishop	6		A	840	1130			Macpherson Oil Company	62815026	WD	4-Nov-09	7-Jan-10	A		21-Nov-97	OLCESE	2693	1840	4-Jun-80	01-Mar-85	6,683	32,464,328	36
4	Round Mountain	Sharktooth	02918119	Malta	3		I	740	830			Macpherson Oil Company	62815026	WD	4-Oct-93		A		21-Nov-97	OLCESE	2693	1840	4-Jun-80	01-Nov-02	3,382	13,116,125	7
4	Tejon	Western	02969623			330-32	A	3000	4180			Vintage Production California LLC	75212013	WD	7-Nov-03	14-Dec-10	A		22-Mar-04	TRANSITION/SANTA MARGARITA	2500	2400	27-Mar-59	01-Mar-04	5,892	7,424,773	0
4	Tejon	Western	03026630			WWO3-32	A	3075	4806			Vintage Production California LLC	75212008	WD	5-Aug-09	12-Aug-09	A			TRANSITION	2255	2700	28-Dec-70	01-Jun-11	3,171	27,362,035	0
4	Tejon	Western	03053049	J.V.		WWO7-32	A	3358	5061			Vintage Production California LLC	75212008	WD			A			TRANSITION	2255	2700	28-Dec-70		47	213,098	0
4	Tejon	Western	03053050	J.V.		WWO8-32	N					Vintage Production California LLC	75212008	WD			A			TRANSITION	2255	2700	28-Dec-70				0
4	Union Avenue	Any Area	02920701	Roberts	1		A	3738	3835			Trio Petroleum LLC	79800002	WD			A			CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87		2,795	1,963,487	0
4	Union Avenue	Any Area	02942258	Pon	1		A	4330	5090			Trio Petroleum LLC	79800002	WD			A			CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87	01-Aug-02	4,252	1,614,960	0
4	Union Avenue	Any Area	03007190	Unit	1		A	4410	5110	4543		Trio Petroleum LLC	79800002	WD			A			CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87		3,499	410,869	0
4	Yowlumne	Any Area	02953422	Yowlumne Unit B	88-4		A	4620	5150			Vintage Production California LLC	85800003	WD			T	6-May-03		ETCHEGOIN			24-Oct-02	01-Feb-13	1,550	2,602,380	0
5	Any Field	Any Area	01923198	Noble		WD1-5	I	2194		3000		Leon I. Seban Longview Energy Company	00000009	WD	5-Oct-01		S			PLEISTOCENE-PLIOCENE			12-Jan-90	01-Apr-06	2,432	2,916,910	0
5	Any Field	Any Area	01923429	SA & FL		25X-29	I	3325		5700		Leon I. Seban Longview Energy Company	58400013	WD	14-Aug-02		S			PLIOCENE		47000	2-Nov-92		861	361,412	0
5	Burrel	Any Area	01920991	Debbie Disposal	1		A	3059	3059	2533	2145	Cases' Used Equipment	08400003	WD	19-Jun-12		A			PLIOCENE			25-Mar-77	01-Aug-02	8,140	2,081,001	0
5	Burrel	Any Area	01921556	CEC-Postal Union	42-35	A		4723		6770		C. Case Co.	08400005	WD			A			MIOCENE/PLIOCENE	42000		8-Sep-09		1,149	3,441,941	0
5	Coalinga, East, Extension	Coalinga Nose	01904601		7		A			7930		West American Energy, Corp.	15203006	WD			C			ETCHEGOIN			01-Aug-77		0	0	0
5	Helm	Main	01904893	California Lands, Inc.	87-15		A	5012		7550		Longview Energy Company	30003019	WD			A			PLEISTOCENE-PLIOCENE-SANTA MARGARITA		43000	28-Oct-82	01-Nov-03	4,585	3,532,624	0
5	Helm	Main	01904950	Wheatville Rancho Co.	F1-8		A	5157		6898		Longview Energy Company	30003008	WD	2-Jul-09		A			PLEISTOCENE-PLIOCENE		37700	29-Nov-57	01-Sep-03	8,841	7,773,005	0
5	Helm	Main	01904995	Hawn	D-2		I	2043		7200		Longview Energy Company	30003015	WD	19-Jun-03		S			PLIOCENE	42800		17-Aug-66	01-Jul-03	2,270	858,753	0
5	Helm	Main	01905038	Noble	868X-5		I	2160		6900		Crimson Resource Management Corp.	30003003	WD	26-Jan-85		A			PLIOCENE	49000		28-Oct-52	01-Nov-01	1,966	3,393,478	0
5	Helm	Main	01905059	Noble	35-9		A	1865	1880	1865	8135	Crimson Resource Management Corp.	30003003	WD			A			PLIOCENE	49000		28-Oct-52		11,138	3,068,162	0
5	Helm	Main	01905067	Capital	46X-15		A	5306		6659		Longview Energy Company	30003019	WD			A			PLEISTOCENE-PLIOCENE-SANTA MARGARITA	43000		28-Oct-82	01-Oct-12	1,896	684,177	0
5	Helm	Main	01905119	Cooper	3-6		I	1806		6956		Crimson Resource Management Corp.	30003014	WD	31-May-01		S			PLIOCENE	41000		18-Jun-65	01-Dec-98	5,685	404,698	0
5	Helm	Main	01920303	Summit Lake	D-1-19		A	2241		7237		Longview Energy Company	30003017	WD	24-Oct-07		S			PLIOCENE-MIOCENE	0.75		4-May-71	01-Sep-01	6,746	2,367,443	0
5	Helm	Main	01921923	Wheatville Rancho Co.	11X-8		A	5615		8323		Longview Energy Company	30003008	WD			A			PLEISTOCENE-PLIOCENE	37700		29-Nov-57		1,796	1,142,150	0
5	Jacalitos	Any Area	01924426		9-3H		I			5040		Holmes Western Oil Corporation	32600003	WD			A			TEMBLOR	8740	8700	15-Aug-72				0
5	Jacalitos	Any Area	01924549	SWD	1	A		1065		1795		Holmes Western Oil Corporation	32600004	WD			A			ETCHEGOIN		11000	21-Sep-78	01-Apr-12	2,216	1,153,656	0
5	Kettleman North Dome	Any Area	01905812		2		I	888		8557		Vintage Production California LLC	34800002	WD	8-Mar-11		A			SAN JOAQUIN-ETCHEGOIN			20-Apr-64	01-Jun-11	487	691,342	0
5	Kettleman North Dome	Any Area	01905816		21	I		1410		7981		Vintage Production California LLC	34800002	WD	8-Mar-11		A			SAN JOAQUIN-ETCHEGOIN			20-Apr-64	01-Feb-02	8,661	8,439,840	0
5	Kettleman North Dome	Any Area	01925366		88WD	N		2090	2372	2090		Vintage Production California LLC	34800002	WD			A			SAN JOAQUIN-ETCHEGOIN			20-Apr-64	01-Jun-14	303	339,731	0
5	Kettleman North Dome	Any Area	03100538		68	I				8942		Vintage Production California LLC	34800002	WD	31-Jan-90		A			SAN JOAQUIN-ETCHEGOIN			20-Apr-64	01-May-02	30	24,800	0
5	Kettleman North Dome	Any Area	03100552		82	I		1120		8870		Vintage Production California LLC	34800006	WD	8-Mar-11		S			ETCHEGOIN			22-Apr-86	01-Jul-04	4,997	3,064,180	0
5	Kettleman North Dome	Any Area	03100563		61	I		955		8140		Chevron U.S.A. Inc.	34800002	WD	8-Mar-10		A			SAN JOAQUIN-ETCHEGOIN			20-Apr-64	01-Feb-02	8,647	6,543,127	0
5	Pleasant Valley	Any Area	01905378	Gatchell	77-20		I			8937		West American Energy, Corp.	55800001	WD			A			GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHEGOIN			5-Jun-01				0
5	Pleasant Valley	Any Area	01905379	Gatchell	86-20	A		2990		9012		West American Energy, Corp.	55800001	WD			A			GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHEGOIN			5-Jun-01		3,307	1,551,345	0
5	Pleasant Valley	Any Area	01905380	Gatchell	88-20		I					West American Energy, Corp.	55800001	WD			A			GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHEGOIN			5-Jun-01				0
5	Raisin City	Any Area	01905392	A	4	A		2547		5248		Longview Energy Company	58400010	WD			A			PLIOCENE		48500	4-May-71	01-Jan-03	12,511	15,929,816	0
5	Raisin City	Any Area	01905417	Taylor	D-3	A		2027		5244		Longview Energy Company	58400008	WD			A			PLIOCENE			7-Dec-56	01-Mar-03	11,556	31,852,128	0
5	Raisin City	Any Area	01905418	Taylor	D-1	A		2133		3400		Longview Energy Company	58400008	WD	3-Aug-10		A			PLIOCENE	42000		7-Dec-56	01-Sep-78	5,564	9,350,891	0
5	Raisin City	Any Area	01905462	Hamilton	43-13	I		3930		5111		Longview Energy Company	58400006	WD	18-Apr-95		S			PLIOCENE	41000		28-Dec-56	01-Oct-06	1,385	1,939,797	0
5	Raisin City	Any Area	01905566	Ripperdan	86-13	A		3908		5320		Longview Energy Company	58400001	WD			A			PLIOCENE	34000		31-Jan-46	01-Oct-01	12,667	43,280,894	0
5	Raisin City	Any Area	01905570	Ripperdan	88A-13	A		1990		5150		Longview Energy Company	58400001	WD			A			PLIOCENE	34000		31-Jan-46	01-Jan-03	9,528	19,283,696	0
5	Raisin City	Any Area	01905576	Surfluh	31-14	A		4635		6409		Longview Energy Company	58400001	WD	3-Aug-10		A			PLIOCENE	34000		31-Jan-46	01-Jan-11	1,183	352,029	0
5	Raisin City	Any Area	01905581	Surfluh	42-14	I		2418		5242		Longview Energy Company	58400001	WD	13-May-98		A			PLIOCENE	34000		31-Jan-46	01-Apr-03	5,887	10,972,265	0
5	Raisin City	Any Area	01921372	Parland Three	57X-4	A		1925		6406		C. Case Co.	58400012	WD			A			PLIOCENE	36000		8-Mar-85	01-Apr-91	10,190	15,095,115	0
5	Raisin City	Any Area	01922057	Yates	83X-5	A		2410		5200		C. Case Co.	58400012	WD			A			PLIOCENE	36000		8-Mar-85		3,210	2,751,870	0
5	Riverdale	Any Area	01905649	Young	4-15	A		5060		8500		Longview Energy Company	61400001	WD			A			PLIOCENE, ST. MARGARITA, ZILCH	38000		7-Apr-52	01-Nov-05	8,342	3,546,473	0
5	Vallecitos	Central	06900159	F & I	48-31	A		3010		4093		Patriot Resources, LLC	80609001	WD			A			DOMENGINE	3800	3800	7-Jun-61		4,848	2,395,748	0
5	Vallecitos	Central	06900160	F & I	58-31	A				4277		Patriot Resources, LLC	80609001	WD			A			DOMENGINE	3800	3800	7-Jun-61				0

5	Van Ness Slough	Any Area	01923119	Cerini	6	A	2542			7000	Crimson Resource Management Corp.	80900001	WD			A		PLEISTOCENE-PLIOCENE			41000	7-Sep-90	01-Jul-06	6,395	4,919,214	0
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District Number	FieldName	AreaName	APINumber	LeaseName	WellNumber	WellStatus Code	TopPerforation	BottomPerforation	TrueVerticalDepth	Measured Depth	OperatorName	ProjectCode	ProjectWellType	RescindDate	ReactivationDate	ProjectStatus Code	ProjectStatus Date	InjectionZone	ZoneWaterTDSAmount	InjectedWaterTDSAmount	OriginalApprovalLetterDate	FirstOFWInjDate	SumOFWInjDaysInjecting	SumOFWInj_WaterSteam	SumOFWInj_GasAir
1	Brea-Olinda	Any Area	05920082	100 Acre	545	A	3620		3619		Linn Operating, Inc.	07000001	WD			A	12-Oct-07	1ST MIOCENE (Upper "B" Sands)	9000	6844	29-Aug-67	01-Dec-97	8,248	15,583,162	0
1	Sansinena	East	03715336	Sansinena	8 B 19	I	4000		4000		Oxy USA Inc.	66018001	WD			T	30-Apr-99	MIOCENE (D-2 ZONE)			1-Mar-77		31	0	0
1	Whittier	Rideout Heights	03721912	Mitchell Energy Corp	5-19	I	2547		2024		Matrix Oil Corporation	83609002	WD			A	17-Apr-11	Puente / Miocene M2B through T (zones 4 through 1)				01-Feb-10	118	19,357	0
2	Bardsdale	Any Area	11100431	Dryden	21	I					Vintage Production California LLC	03600004	WD			R							31	0	0
2	Bardsdale	Any Area	11100486	Robertson	21	I	233	624	233		Vintage Production California LLC	03600004	WD			R						01-May-02	31	0	0
2	Bardsdale	Any Area	11120144	Hunter-Robertson	1	A	5248	5468	5221		Vaquero Energy, Inc.	03600003	WD			A	16-Jun-06	"Irwin" Zone - Saugus (Pleistocene) Formation	5100	5100			4,101	452,486	0
2	Chaffee Canyon	Any Area	11121040	Ventura Realty	34X-1	I					Concordia Resources Inc.	13000001	WD			R							962	66,064	0
2	Del Valle	Main	03700263	Handy	4	I	1790	2155	1790		Thompson Oil Co., Inc.	19800003	WD			R						01-Jul-02	9,163	558,485	0
2	Eureka Canyon	Any Area	11120576	Hol-Har	4	A	1880	1990	1880		TEG Oil and Gas USA Inc.	24200001	WD			A	8-Mar-77	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832			8,635	1,821,338	0
2	Holser	Any Area	11100668	Cooke	2	A					Mirada Petroleum Inc	30400001	WD			A	13-Nov-92	Holser - Modelo (Miocene) Formation	9200	9200			6,615	126,341	0
2	Holser	Any Area	11120808	Bowman	A-2	A					Mirada Petroleum Inc	30400001	WD			A	13-Nov-92	Holser - Modelo (Miocene) Formation	9200	9200		01-Jan-10	4,976	281,274	0
2	Newhall	Tunnel	03712979	Needham	1	I					Gate King Properties LLC	4982101	WD			R							2,830	10,098	0
2	Newhall	Tunnel	03713148	Needham	1	I					Gate King Properties LLC	4982101	WD			R							488	14,537	0
2	Newhall	Whitney Canyon	03713052	Phillips	1	A					Watt Mineral Holdings LLC	49800003	WD			A	18-Mar-77	"Lower Kraft" Zone - Pico (Pliocene) Formation	6000	6000		01-Jul-02	9,643	10,045,058	0
2	Ojai	Silverthread	11120702	Barker-Ferndale	5	I					Vintage Production California LLC	5201207	WD			R							1,315	277,686	0
2	Ojai	Silverthread	11121271	Hamp	72	A	5420	5920	5420		Vintage Production California LLC	5201207	WD			R						01-Apr-04	10,545	6,440,867	0
2	Oxnard	Any Area	11101047	Vacca Tar Sand Unit	2-1	I					Peak Operator LLC	53000011	WD			R							2,100	1,349,639	0
2	Oxnard	Any Area	11101335	Scholle-Livingston	1	I					Peak Operator LLC	53000011	WD			R						01-Nov-08	416	123,263	0
2	Placerita	Any Area	03700516	Pleasant Community	1	I					Caltico Oil Corp.	55000005	WD			R							20	4,961	0
2	Placerita	Any Area	03700517	Sindell Community	1	I					Caltico Oil Corp.	55000007	WD			R									
2	Placerita	Any Area	03711708	Fehsel	2	I					Caltico Oil Corp.	55000007	WD			R									
2	Placerita	Any Area	03711755	York	8R	I					Linn Operating, Inc.	55000010	WD			R							2,557	5,684,386	0
2	Placerita	Any Area	03713434	Fee	3	I					Caltico Oil Corp.	55000019	WD			R						01-Jun-02	2,252	1,829,972	0
2	Placerita	Any Area	03713437	Fee	6	I					Caltico Oil Corp.	55000007	WD			R							3,623	6,155,805	0
2	Placerita	Any Area	03713442	Fee	11	I					Caltico Oil Corp.	55000019	WD			R							1,189	1,664,581	0
2	Placerita	Any Area	03713868	Sindell Community	2	I					Caltico Oil Corp.	55000019	WD			R							1,492	948,861	0
2	Placerita	Any Area	03722038	York	5R	I					Linn Operating, Inc.	55000010	WD			R							5,421	10,743,055	0
2	Placerita	Any Area	03722040	York	26R	I	1570	1830	1570		Linn Operating, Inc.	55000010	WD			R							1,986	7,691,215	0
2	Placerita	Any Area	03723503	Castruccio	T-18	I					Placerita Oil Co. Inc.	55000004	WD			R						01-Jul-92	1,843	1,897,859	0
2	Rincon	Offshore	21101889	State PRC 145.1	3	I					Rincon Island Ltd. Ptnrshp.	6000610	WD			R		Old Zone					3,305	285,081	0
2	Rincon	Onshore	11101692	Hobson	A-29W	I	7085	8055	7085		Vintage Production California LLC	6000610	WD			R		Old Zone				01-Aug-04	4,720	659,434	0
2	Santa Susana	Any Area	11102497	Broad Oaks	114	I					Vintage Production California LLC	67200001	WD			R						01-Sep-04	1,504	1,062,480	0
2	Sespe	Tar Creek-Topatopa	11102610	Higgins	2	I					Seneca Resources Corporation	69400006	WD			R							196	6,376	0
2	Sespe	Tar Creek-Topatopa	11102615	Twilight	2	A	930	2231	930		Seneca Resources Corporation	69400001	WD			A		Rincon-Vaqueros (Miocene) and Upper Sespe (Oligocene)	4600	4600			4,078	215,379	0

2	Sespe	Tar Creek-Topatopa	11120590	Red Rock	67	A		2945	3680	2843		Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000		01-Oct-13	243	31,652	0
2	Sespe	Tar Creek-Topatopa	11120591	Red Rock	68	A		2915	3666	2907		Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000			243	18,159	0
2	Sespe	Tar Creek-Topatopa	11121179	Cal Pac	65-31	I						Seneca Resources Corporation	6940007	WD			A	17-Jan-86	Basal Sespe - Sespe (Oligocene) Formation	9000	9000			406	74,951	0
2	Tapo Canyon, South	Any Area	11104038	South Tapo	7-12	A						Vintage Production California LLC	7460002	WD			R					01-Apr-01	3,997	2,666,469	0	
2	Tapo, North	Any Area	11100249	N. L. & F.	W-4	A						Berco Oil Co, N Tapo Use, LLC	7440001	WD			A	31-Oct-50	Pools "I - V" Modelo (Miocene) Formation	6800	6800		01-Jul-04	11,593	1,556,480	0
2	Timber Canyon	Main	11104099	E. P. Clark	15	I						Vintage Production California LLC	7740001	WD			R					01-Feb-99	6,108	444,001	0	
2	Torrey Canyon	Any Area	11104204	Torrey	73	I						Vintage Production California LLC	2420001	WD			A	8-Mar-74	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832		01-Feb-02	61	11,190	0
2	Torrey Canyon	Any Area	11104227	Torrey	97	I						Vintage Production California LLC	2420001	WD			A	8-Mar-74	"102" Zone - Santa Margarita (Miocene) Formation	5832	5832		01-Jul-02	61	11,190	0
3	Any Field	Any Area	05321549	Orradre	811-30	A						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Dec-01	8,447	21,198,688	0
3	Any Field	Any Area	05321550	Orradre	831-33	I						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Nov-09	0	0	0
3	Any Field	Any Area	05321583	Orradre	812H-30	A						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Apr-01	5,125	57,051,464	0
3	Any Field	Any Area	05321587	Orradre	813-30	A						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Oct-09	4,181	37,833,857	0
3	Any Field	Any Area	05321739	Orradre	814-30	A						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Jan-11	3,181	15,057,649	0
3	Any Field	Any Area	05321819	Orradre	815-30	A						Aera Energy LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-96	01-Feb-12	4,454	32,501,463	0
3	Arroyo Grande	Tiber	07920419	Signal E.T.S.	135	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jun-04	10,290	10,508,989	0
3	Arroyo Grande	Tiber	07920426	Signal E.T.S.	140	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jan-07	6,419	3,244,201	0
3	Arroyo Grande	Tiber	07920433	Signal E.T.S.	142	I						Freeport-McMoRan Oil & Gas LLC	02806007	WD			R	10-Oct-12	Monterey				01-Jan-86	417	429,919	0
3	Arroyo Grande	Tiber	07920436	Signal E.T.S.	161	I						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jul-02	338	1,075,811	0
3	Arroyo Grande	Tiber	07920498	Signal E.T.S.	169	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jun-02	10,255	13,432,649	0
3	Arroyo Grande	Tiber	07920606	Signal E.T.S.	WWD 1	I						Freeport-McMoRan Oil & Gas LLC	02806007	WD			R	10-Oct-12	Monterey				01-Aug-04	471	349,073	0
3	Arroyo Grande	Tiber	07920639	Hyla	17H	I						Freeport-McMoRan Oil & Gas LLC	02806003	WD		2-Dec-98	A		Dollie Zone	1820		18-Jul-72		2,467	3,098,796	0
3	Arroyo Grande	Tiber	07920659	Hyla	19H-1	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72		972	111,644	0
3	Arroyo Grande	Tiber	07920773	Pulas	2	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72		5,605	23,573,444	0
3	Arroyo Grande	Tiber	07920794	Pulas	3	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72		1,981	5,515,848	0
3	Arroyo Grande	Tiber	07921105	Pulas	4	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Nov-11	2,767	3,933,975	0
3	Arroyo Grande	Tiber	07921154	Pulas	6	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Dec-12	1,790	1,302,936	0
3	Arroyo Grande	Tiber	07921202	Pulas	7	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD			A		Dollie Zone	1820		18-Jul-72	01-Jun-11	418	116,571	0
3	Arroyo Grande	Tiber	07921203	Pulas	8	A						Freeport-McMoRan Oil & Gas LLC	02806003	WD		20-Mar-13	A		Dollie Zone	1820		18-Jul-72	01-Oct-13	112	37,748	0
3	Barham Ranch	Old	08300988	Barham	5	A						Sierra Resources, Inc	03806001	WD			A	10-Oct-12	Monterey	9700	5039			2,465	1,067,855	0
3	Casmalia	Any Area	08300929	Peshine	1A	A						ERG Operating Company, LLC	12200002	WD			A	28-Mar-14	Monterey	6278	10000	22-Mar-51		12,715	18,093,716	0
3	Casmalia	Any Area	08300952	Tompkins	7	A		3800		3800		ERG Operating Company, LLC	12200002	WD			A	28-Mar-14	Monterey	6278	10000	22-Mar-51	01-Nov-01	13,418	11,360,349	0
3	Casmalia	Any Area	08321989	Peshine	46	A				2310		ERG Operating Company, LLC	12200002	WD			A	28-Mar-14	Monterey	6278	10000	22-Mar-51		4,732	4,612,591	0
3	Cat Canyon	Olivera Canyon	08301482	Williams Holding	C.H. 2WD	I						ERG Operating Company, LLC	12812006	WD			T	31-Aug-85	Sisquoc	3765			01-Jun-02	633	217,441	0
3	Cat Canyon	Sisquoc	08320724	Pyramid-DT	32X	I						Pyramid Oil Company	12821026	WD			p	3-Jun-13	Monterey				13-Nov-13			

3	Cat Canyon	Sisquoc	08321859	Cantin	39	A						ERG Operating Company, LLC	00000006	WD			A	2-Jul-12	Lombardi/Aurignac/Continental	8000	17700	13-Jul-98	01-May-10	3,442	1,395,762	0	
3	Cat Canyon	West	08301242	Los Flores	3-21	I						Greka Oil & Gas Inc.	12821003	WD			A	2-Jul-12	Sisquoc	2870		7-Jan-75	01-Sep-02	1,528	943,218	0	
3	Elwood	Offshore	28303489	State 421	1	I						Venoco, Inc.	23403001	WD			T	10-Mar-99				20-Jul-72	01-Jan-02	6,422	3,034,075	0	
3	Elwood, South, Offshore	Main	28320033	AMES 3120	4	I						Venoco, Inc.	23606003	WD			C	24-Jan-02						0	0	0	
3	Elwood, South, Offshore	Main	28320275	AMES 3242	17	I						Venoco, Inc.	23606003	WD			C	24-Jan-02						12	2,270	0	
3	Lompoc	Main	08320906	Orcutt Fee	23-35	I						Freeport-McMoRan Oil & Gas LLC	41003003	WD			A		Monterey/Knoxville	4860	26826	22-Jan-74		0	0	0	
3	Lompoc	Northwest	08321866	Jesus Maria	A83-19	A						Freeport-McMoRan Oil & Gas LLC	41006001	WD			A	10-Oct-12	Monterey	6621			01-Jun-14	2,919	6,297,320	0	
3	Lompoc	Northwest	08322150	Jesus Maria	A31-19	A						Freeport-McMoRan Oil & Gas LLC	41006001	WD		10-Apr-12	A	10-Oct-12	Monterey	6621				2,910	16,880,939	0	
3	Lynch Canyon	Any Area	05320795	Lanigan	102	A						Eagle Petroleum, LLC	43600003	WD			A		Santa Margarita	3500	1818	8-Jul-05		2,674	4,068,719	0	
3	Lynch Canyon	Any Area	05322018	Lanigan	WD-2	A						Eagle Petroleum, LLC	43600003	WD			A		Santa Margarita	3500	1818	8-Jul-05	01-Jan-12	1,705	4,710,319	0	
3	Lynch Canyon	Any Area	05322162	Lanigan	WD 3	N					1835	Eagle Petroleum, LLC	43600006	WD			A	17-Oct-13	Lanigan	5800	6700		01-Jan-14	322	936,958	0	
3	McCool Ranch	Any Area	05321118	Brinan A	3	I						Fred Cagle	44800001	WD			T	7-Nov-06					16-Dec-85	01-Nov-03	274	2,861	0
3	McCool Ranch	Any Area	05321120	Brinan A	5	I						Calif. Oil Independents	44800001	WD			T	7-Nov-06					16-Dec-85	01-Jun-05	1,726	623,479	0
3	Monroe Swell	Old	05320365	Doud	8	I						Calif. Oil Independents	47406001	WD			A	2-Jul-12	44 / Doud	4800	7900	27-May-03		576	18,174	0	
3	San Ardo	Main	05321007	Orradre	821-1	A		2030	2586	1852		Aera Energy LLC	64403001	WD			A	2-Jul-12	Aurignac	3845	7400	28-Oct-75	01-Jun-87	10,220	65,616,405	0	
3	San Ardo	Main	05321008	Orradre	823-1	A						Aera Energy LLC	64403004	WD			A	2-Jul-12	Aurignac	7200	7400	10-Jun-85	01-May-85	9,477	84,365,679	0	
3	San Ardo	Main	05321009	Orradre	825-1	A						Aera Energy LLC	64403001	WD			A	2-Jul-12	Aurignac	3845	7400	28-Oct-75	01-Oct-05	4,765	10,145,429	0	
3	San Ardo	Main	05321011	Orradre	891-1	A						Aera Energy LLC	64403004	WD			A	2-Jul-12	Aurignac	7200	7400	10-Jun-85	01-Mar-94	8,702	27,573,587	0	
3	San Ardo	Main	05321348	Hambey	801-17	A						Aera Energy LLC	64403001	WD			A	2-Jul-12	Aurignac	3845	7400	28-Oct-75	01-Jul-06	7,462	36,319,630	0	
3	San Ardo	Main	05321360	Hambey	803-17	A						Aera Energy LLC	64403001	WD			A	2-Jul-12	Aurignac	3845	7400	28-Oct-75	01-Apr-04	8,061	142,231,530	0	
3	San Ardo	Main	05321484	Hambey	804-17	A						Aera Energy LLC	64403004	WD			A	2-Jul-12	Aurignac	7200	7400	10-Jun-85	01-Oct-07	7,477	94,484,917	0	
3	San Ardo	Main	05321884	Lombardi	7-27	A						Vintage Production California LLC	64406010	WD			A		Santa Margarita	6300		14-May-08	01-Dec-11	2,316	11,113,140	0	
3	San Ardo	North	05320282	Rosenberg (NCT-1)	WI-5	I						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Nov-95	1,148	23,902,933	0	
3	San Ardo	North	05321216	Rosenberg (NCT-1)	WI-12	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Feb-93	8,465	118,632,112	0	
3	San Ardo	North	05321607	Rosenberg (NCT-1)	WI-16	I						Chevron U.S.A. Inc.	64406009	WD		19-Feb-13	A		Aurignac	6692	16000	4-May-56	01-Jan-10	3,868	34,056,443	0	
3	San Ardo	North	05321866	Rosenberg (NCT-1)	WI-17	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Nov-11	3,265	26,970,723	0	
3	San Ardo	North	05321955	Rosenberg (NCT-1)	WI-8A	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Feb-05	1,229	344,296	0	
3	San Ardo	North	05321956	Rosenberg (NCT-1)	WI-18	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-May-05	2,351	3,486,258	0	
3	San Ardo	North	05322014	Rosenberg (NCT-1)	WI-20	A		2555		1000		Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56		1,309	2,747,796	0	
3	San Ardo	North	05322015	Rosenberg (NCT-1)	WI-21	A		2450		2449		Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56		1,476	3,031,892	0	
3	San Ardo	North	05322016	Rosenberg (NCT-1)	WI-19	I		2905		2609		Chevron U.S.A. Inc.	64406009	WD		12-May-10	17-Oct-12	A		Aurignac	6692	16000	4-May-56		43	121,800	0
3	San Ardo	North	05322023	Rosenberg (NCT-1)	WI-9A	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Mar-11	1,485	11,285,401	0	
3	San Ardo	North	05322024	Rosenberg (NCT-1)	WI-22	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Jul-12	1,030	981,293	0	
3	San Ardo	North	05322025	Rosenberg (NCT-1)	WI-24	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Jun-12	1,322	15,010,952	0	
3	San Ardo	North	05322026	Rosenberg (NCT-1)	WI-27	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Feb-13	585	238,788	0	
3	San Ardo	North	05322027	Rosenberg (NCT-1)	WI-29	A						Chevron U.S.A. Inc.	64406009	WD			A		Aurignac	6692	16000	4-May-56	01-Apr-11	1,431	7,058,833	0	
3	San Ardo	North	05322250	Lombardi	8-27WD	N						Vintage Production California LLC	64406010	WD			A		Santa Margarita	6300		14-May-08	01-Jun-12	0	0	0	

4	Any Field	Any Area	03055515	Pleito Ranch	1WD-22	N					Vintage Production California LLC	00000018	WD				P	9-Jul-14	LOWER TULARE									
4	Asphalto	Any Area	02935880	California-Federal A	31	A		1190	1270		Cather-Herley Oil Company	03200006	WD				A		L TULARE		5000	32257	16-Dec-02	01-Oct-10	2,574	982,206		0
4	Belridge, South	Any Area	03035779	Sosa FOD	SB1401-18	A		909	1408		Vintage Production California LLC	05200051	WD				A	23-Feb-10	TULARE		9800	26000			74	64,411		0
4	Belridge, South	Any Area	03036496	Sosa FOD	SB1801-18	A		915	1527		Vintage Production California LLC	05200051	WD				A	23-Feb-10	TULARE		9800	26000			838	351,380		0
4	Buena Vista	Buena Vista Front	02959052		3-27G	A		1080	2248		Vintage Production California LLC	08003003	WD		3-May-10	23-Nov-10	A		TULARE		9168	39000	17-Aug-72	01-Aug-02	9,768	13,381,095		0
4	Buena Vista	Buena Vista Hills	02975577		1A-21D	A		775	1020		Vintage Production California LLC	08006027	WD		4-Aug-10	9-Aug-10	A		TULARE		9167	39737	17-Aug-72	01-Mar-04	8,865	12,929,573		0
4	Buena Vista	Buena Vista Hills	02982559		WI-21	A		388	998		Valley Water Management Company	08006014	WD		3-Dec-10	7-Dec-05	A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Feb-06	6,223	10,326,419		0
4	Buena Vista	Buena Vista Hills	02982560		WI-22	A		445	998		Valley Water Management Company	08006014	WD		3-Sep-10	4-Sep-13	A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Oct-05	9,329	87,633,117		0
4	Buena Vista	Buena Vista Hills	02982561		WI-23	I		431	998		Valley Water Management Company	08006014	WD		8-Jul-05		A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Mar-04	1,065	1,999,742		0
4	Buena Vista	Buena Vista Hills	02982562		WI-24	A		472	998		Valley Water Management Company	08006014	WD		3-Dec-10	7-Dec-05	A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Sep-05	1,396	2,469,889		0
4	Buena Vista	Buena Vista Hills	02982563		WI-25	A		370	998		Valley Water Management Company	08006014	WD		3-Dec-10	22-Feb-13	A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Dec-04	6,180	45,105,667		0
4	Buena Vista	Buena Vista Hills	02982564		WI-26	I		450	998		Valley Water Management Company	08006014	WD		11-Jul-05		A		TULARE (UNSATURATED)			13614	29-Jun-88	01-Mar-04	324	1,604,014		0
4	Buena Vista	Buena Vista Hills	03053085		WI-30	A		425	1000		Valley Water Management Company	46400041	WD				A		TULARE (UNSATURATED)		5898	13614	20-Nov-74	01-Feb-14	81	935,055		0
4	Chico-Martinez	Any Area	03039980	Mitchel	35-401	A		1022	1190		CMO, Inc.	14000004	WD				A	6-Jun-14	TULARE		710	13000	6-Jun-14		72	27,257		0
4	Chico-Martinez	Any Area	03044445	Mitchel	35-408	A		472	897		CMO, Inc.	14000004	WD				A	6-Jun-14	TULARE		710	13000	6-Jun-14		70	5,233		0
4	Cymric	Welport	02917887	McKittrick Fee	536	A					Chevron U.S.A. Inc.	19024126	WD				A	14-Aug-13	PHACOIDES/OCEANIC		9009	22048	21-Nov-12	01-Nov-13	0	0		0
4	Cymric	Welport	02941711	Morris USL	563	I		4620			Freeport-McMolan Oil & Gas LLC	19024012	WD		5-Jan-90		S	27-Apr-83	REEF RIDGE (OLIGOCENE)		6095	14448	27-Jan-72	01-Feb-87	0	0		0
4	Cymric	Welport	02979440		D6-5A	A		578	1162		Chevron U.S.A. Inc.	19024004	WD		10-Nov-08	18-Nov-09	A		TULARE		7484	156458	12-Dec-86	01-Jun-05	9,044	35,252,225		0
4	Cymric	Welport	02986992		D9-5	A		488	1519		Chevron U.S.A. Inc.	19024004	WD				A		TULARE		7484	156458	12-Dec-86	01-Mar-91	8,495	17,048,848		0
4	Cymric	Welport	03015482		D11-5	A		542	1335		Chevron U.S.A. Inc.	19024004	WD		1-Apr-05	24-May-05	A		TULARE		7484	156458	12-Dec-86	01-Mar-11	3,985	1,218,360		0
4	Cymric	Welport	03032805		D5-7	A		580	1540		Chevron U.S.A. Inc.	19024004	WD				A		TULARE		7484	156458	12-Dec-86	01-Nov-11	2,566	3,238,027		0
4	Cymric	Welport	03032806		D8-9	A		560	1540		Chevron U.S.A. Inc.	19024004	WD				A		TULARE		7484	156458	12-Dec-86	01-Jul-12	2,527	3,446,690		0
4	Cymric	Welport	03037968		D3-1	A		604	1514		Chevron U.S.A. Inc.	19024004	WD				A		TULARE		7484	156458	12-Dec-86	01-Dec-11	1,976	1,373,453		0
4	Deer Creek	Any Area	10720109	Filippi	107-2	A		690	1010		Modus, Inc.	19400004	WD				A		SANTA MARGARITA		300	340	15-Nov-01		4,341	1,798,022		0
4	Deer Creek	Any Area	10720136	Community	11	A		856	913		Longbow, LLC	19400002	WD				A		SANTA MARGARITA		740	876	30-Apr-00		4,191	3,476,581		0
4	Edison	Edison Groves	02975558	Lehr	13	A		1400	1460		H&R Resources, LLC	22203006	WD				A	7-Nov-96	KERN RIVER		444	460	24-Mar-92		5,777	1,818,585		4,082
4	Edison	Portals-Fairfax	02906644	Porter	1	A		3365	3463		Redbank Oil Co.	22212032	WD		10-Mar-13		A		SANTA MARGARITA		566	3000	2-May-93		4,179	67,074		0
4	Edison	Race Track Hill	02906388	Racetrack	86-27	A		1035	1350		Nafex Operating Company	22215020	WD		20-Nov-95	5-May-08	A	25-Oct-99	OLCESE		5602	570	14-Jun-72	01-Mar-81	6,508	5,581,024		0
4	Elk Hills	Any Area	02961139		21WD-17G	I		557	1278		Occidental of Elk Hills, Inc.	22800002	WD		5-Apr-04		A		TULARE		4668	28000	13-May-81		1,516	3,280,175		0
4	Elk Hills	Any Area	02966694		71WD-18G	I		428	843		Occidental of Elk Hills, Inc.	22800002	WD		25-Oct-13	13-Oct-09	A		TULARE		4668	28000	13-May-81	01-Mar-04	10,630	66,201,900		0
4	Elk Hills	Any Area	02967555		13WD-17G	A		428	4666		Occidental of Elk Hills, Inc.	22800002	WD		10-Apr-09		A		TULARE		4668	28000	13-May-81		3,098	2,525,879		0
4	Elk Hills	Any Area	02973097		68WD-7G	A		459	893		Occidental of Elk Hills, Inc.	22800002	WD		11-Jul-13	22-Jul-11	A		TULARE		4668	28000	13-May-81	01-Sep-04	10,554	49,604,690		0
4	Elk Hills	Any Area	02973098		61WD-18G	A		450	893		Occidental of Elk Hills, Inc.	22800002	WD				A		TULARE		4668	28000	13-May-81	01-Jan-05	10,671	57,944,144		0
4	Elk Hills	Any Area	02975252		48WD-7G	A		443	893		Occidental of Elk Hills, Inc.	22800002	WD		8-Feb-06		A		TULARE		4668	28000	13-May-81	01-Nov-04	4,034	31,008,245		0

4	Elk Hills	Any Area	02985821		38WD-7G	A		390	605		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Mar-04	8,784	105,936,199	0
4	Elk Hills	Any Area	02985822		58WD-7G	A		310	582		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Oct-94	7,950	34,668,392	0
4	Elk Hills	Any Area	03002301		27WD-7G	A		438	638		Occidental of Elk Hills, Inc.	22800002	WD	4-Sep-12		A		TULARE	4668	28000	13-May-81	01-Apr-07	6,423	54,688,623	0
4	Elk Hills	Any Area	03003239		66WD-12B	A		394	972		Occidental of Elk Hills, Inc.	22800002	WD	5-Apr-06		A		TULARE	4668	28000	13-May-81	01-Sep-05	3,091	5,879,008	0
4	Elk Hills	Any Area	03003240		86WD-12B	A		402	802		Occidental of Elk Hills, Inc.	22800002	WD	5-Apr-04		A		TULARE	4668	28000	13-May-81	01-Jan-04	3,252	13,307,894	0
4	Elk Hills	Any Area	03020255		57WD-18G	A		864	1696		Occidental of Elk Hills, Inc.	22800002	WD	7-Sep-06		A		TULARE	4668	28000	13-May-81	01-Sep-10	1,096	1,735,305	0
4	Elk Hills	Any Area	03020256		67WD-18G	A		905	1763		Occidental of Elk Hills, Inc.	22800002	WD	7-Jul-08		A		TULARE	4668	28000	13-May-81	01-May-10	1,102	2,685,687	0
4	Elk Hills	Any Area	03021008		27WD-18G	A		775	1799		Occidental of Elk Hills, Inc.	22800002	WD	4-Oct-06		A		TULARE	4668	28000	13-May-81	01-Nov-10	896	912,123	0
4	Elk Hills	Any Area	03021009		37WD-18G	A		825	1799		Occidental of Elk Hills, Inc.	22800002	WD	8-Oct-08		A		TULARE	4668	28000	13-May-81	01-Jul-10	900	853,736	0
4	Elk Hills	Any Area	03021378		77WD-13B	A		738	1435		Occidental of Elk Hills, Inc.	22800002	WD	3-Feb-10	11-Mar-14	A		TULARE	4668	28000	13-May-81	01-Nov-10	4,191	33,537,775	0
4	Elk Hills	Any Area	03021379		87WD-13B	A		594	1311		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Jan-11	4,197	33,014,751	0
4	Elk Hills	Any Area	03022130		45WD-13B	A		673	1277		Occidental of Elk Hills, Inc.	22800002	WD	5-Dec-06		A		TULARE	4668	28000	13-May-81	01-Mar-14	4,001	9,139,091	0
4	Elk Hills	Any Area	03022131		57WD-13B	A		704	1364		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Apr-11	4,018	29,501,375	0
4	Elk Hills	Any Area	03022133		85WD-13B	A		746	1437		Occidental of Elk Hills, Inc.	22800002	WD	4-Jun-08		A		TULARE	4668	28000	13-May-81	01-Apr-14	2,032	3,220,805	0
4	Elk Hills	Any Area	03023952		25A-18G	A		724	1415		Elk Hills Power, LLC	22800025	WD			A		TULARE	4560			01-Oct-14	622	2,616,780	0
4	Elk Hills	Any Area	03023953		35A-18G	A		698	1298		Elk Hills Power, LLC	22800025	WD			A		TULARE	4560			01-Apr-11	605	4,623,857	0
4	Elk Hills	Any Area	03024632		38A-WD-8G	A		727	1500		Occidental of Elk Hills, Inc.	22800002	WD	4-Jun-08		A		TULARE	4668	28000	13-May-81	01-Dec-10	1,199	1,159,369	0
4	Elk Hills	Any Area	03025048		25WD-13B	A		730	1411		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Nov-11	2,902	14,407,815	0
4	Elk Hills	Any Area	03025049		35WD-13B	A		760	1692		Occidental of Elk Hills, Inc.	22800002	WD	8-Oct-09	8-Jun-11	A		TULARE	4668	28000	13-May-81	01-Jul-11	2,378	11,100,335	0
4	Elk Hills	Any Area	03025050		47WD-13B	A		684	1685		Occidental of Elk Hills, Inc.	22800002	WD	7-Jun-13		A		TULARE	4668	28000	13-May-81	01-Sep-11	2,449	9,273,825	0
4	Elk Hills	Any Area	03025512		87WD-27R	A		567	1121		Occidental of Elk Hills, Inc.	22800022	WD	3-Dec-10	14-Dec-10	A		L TULARE	5800	27000	7-Apr-04	01-Oct-10	3,468	21,295,461	0
4	Elk Hills	Any Area	03026284		55WD-27R	A		500	924		Occidental of Elk Hills, Inc.	22800022	WD			A		L TULARE	5800	27000	7-Apr-04	01-Dec-11	3,348	22,606,398	0
4	Elk Hills	Any Area	03026747		24WD-13B	A		779	1207		Occidental of Elk Hills, Inc.	22800002	WD	4-Jun-14		A		TULARE	4668	28000	13-May-81	01-Dec-10	2,667	11,818,915	0
4	Elk Hills	Any Area	03027211		14WD-13B	A		752	1459		Occidental of Elk Hills, Inc.	22800002	WD			A		TULARE	4668	28000	13-May-81	01-Feb-11	3,267	14,372,458	0
4	Elk Hills	Any Area	03027214		44WD-13B	A		741	1661		Occidental of Elk Hills, Inc.	22800002	WD	5-Jan-10		A		TULARE	4668	28000	13-May-81	01-Nov-11	1,419	1,082,879	0
4	Elk Hills	Any Area	03027215		54WD-13B	A		673	1287		Occidental of Elk Hills, Inc.	22800002	WD	6-Apr-10		A		TULARE	4668	28000	13-May-81	01-Nov-11	1,379	2,038,938	0
4	Elk Hills	Any Area	03027985		54WD-27R	A		502	996		Occidental of Elk Hills, Inc.	22800022	WD	6-Oct-09	13-Oct-09	A		L TULARE	5800	27000	7-Apr-04	01-Jan-11	2,847	4,456,120	0
4	Elk Hills	Any Area	03027986		44WD-27R	A		468	894		Occidental of Elk Hills, Inc.	22800022	WD			A		L TULARE	5800	27000	7-Apr-04	01-Aug-11	3,153	8,182,842	0
4	Elk Hills	Any Area	03027987		75WD-27R	A		563	992		Occidental of Elk Hills, Inc.	22800022	WD	6-Oct-09	13-Oct-09	A		L TULARE	5800	27000	7-Apr-04	01-Feb-11	3,203	21,330,057	0
4	Elk Hills	Any Area	03027988		76WD-27R	A		547	1048		Occidental of Elk Hills, Inc.	22800022	WD	6-Oct-09	13-Oct-09	A		L TULARE	5800	27000	7-Apr-04	01-Nov-11	3,205	18,928,448	0
4	Elk Hills	Any Area	03027989		86WD-27R	A		578	1018		Occidental of Elk Hills, Inc.	22800022	WD			A		L TULARE	5800	27000	7-Apr-04	01-Dec-11	3,083	22,384,016	0
4	Elk Hills	Any Area	03029340		45WD-27R	A		487	809		Occidental of Elk Hills, Inc.	22800022	WD			A		L TULARE	5800	27000	7-Apr-04	01-Nov-11	2,893	9,230,694	0

4	Elk Hills	Any Area	03029341		47WD-27R	A		509	874	507		Occidental of Elk Hills, Inc.	22800022	WD		6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-0	01-May-11	2,892	5,779,510		0
4	Elk Hills	Any Area	03029342		48WD-27R	A		537	894			Occidental of Elk Hills, Inc.	22800022	WD		3-Sep-10	13-Sep-10	A			L TULARE		5800	27000	7-Apr-0	01-Feb-12	2,865	6,048,612		0
4	Elk Hills	Any Area	03029343		56WD-27R	A		491	871			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Jan-12	2,831	5,295,730		0
4	Elk Hills	Any Area	03029369		58WD-27R	A		549	921	547		Occidental of Elk Hills, Inc.	22800022	WD		6-Oct-09	13-Oct-09	A			L TULARE		5800	27000	7-Apr-0	01-Jul-11	2,850	6,425,269		0
4	Elk Hills	Any Area	03029370		66WD-27R	A		544	951			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Feb-12	2,973	4,504,046		0
4	Elk Hills	Any Area	03029371		77WD-27R	A		572	954			Occidental of Elk Hills, Inc.	22800022	WD		3-Feb-10	16-Nov-10	A			L TULARE		5800	27000	7-Apr-0	01-Apr-11	2,094	2,129,155		0
4	Elk Hills	Any Area	03029372		78WD-27R	A		592	987			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Feb-12	2,831	6,780,570		0
4	Elk Hills	Any Area	03031791		54XWD-18G	A		506	996			Occidental of Elk Hills, Inc.	22800002	WD		6-Oct-09	13-Oct-09	A			TULARE		4668	28000	13-May-81	01-Sep-11	1,524	3,365,956		0
4	Elk Hills	Any Area	03031877		73WD-18G	A		1433	2098			Occidental of Elk Hills, Inc.	22800002	WD		3-Feb-10		A			TULARE		4668	28000	13-May-81		800	695,758		0
4	Elk Hills	Any Area	03031883		56WD-18G	A		746	1700			Occidental of Elk Hills, Inc.	22800002	WD		4-Sep-12		A			TULARE		4668	28000	13-May-81	01-Jan-08	731	1,108,448		0
4	Elk Hills	Any Area	03031884		64XWD-18G	A		543	1359			Occidental of Elk Hills, Inc.	22800002	WD		3-Dec-10		A			TULARE		4668	28000	13-May-81	01-Oct-11	394	328,003		0
4	Elk Hills	Any Area	03033697		15WD-27R	A		516	1033			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Jan-12	2,068	7,980,813		0
4	Elk Hills	Any Area	03033698		17WD-27R	A		590	1021			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Aug-12	1,901	6,886,246		0
4	Elk Hills	Any Area	03033699		35WD-27R	A		563	1044			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Nov-11	1,855	6,796,861		0
4	Elk Hills	Any Area	03033700		36WD-27R	A		546	1016			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Jun-11	1,489	648,744		0
4	Elk Hills	Any Area	03033831		34WD-27R	A		528	1032			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Nov-11	2,081	11,309,498		0
4	Elk Hills	Any Area	03035653		14XWD-27R	A		529	1082			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Dec-11	2,038	4,673,144		0
4	Elk Hills	Any Area	03035654		84XWD-28R	A		628	1095			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Dec-11	2,038	13,486,797		0
4	Elk Hills	Any Area	03036658		64WD-232	A		673	1264			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-12	1,884	3,070,308		0
4	Elk Hills	Any Area	03036659		65WD-232	A		636	1107			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Dec-11	1,884	3,064,677		0
4	Elk Hills	Any Area	03036660		75WD-232	A		631	1016			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Nov-12	1,884	3,064,179		0
4	Elk Hills	Any Area	03036661		85WD-232	A		500	776			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Nov-12	1,884	1,599,189		0
4	Elk Hills	Any Area	03036662		86WD-232	A		669	1007			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-11	1,945	1,635,175		0
4	Elk Hills	Any Area	03036663		87WD-232	A		624	1006			Occidental of Elk Hills, Inc.	22800032	WD			14-Mar-1	A			TULARE/OLIG		4606	23000	16-May-08	01-Sep-12	1,739	2,100,294		0
4	Elk Hills	Any Area	03039914		66WD-232	A		783	1495			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Jul-12	1,452	1,756,051		0
4	Elk Hills	Any Area	03039915		76WD-232	A		747	1499			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Jun-11	1,452	1,937,157		0
4	Elk Hills	Any Area	03039916		77WD-232	A		588	1458			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Mar-11	1,452	1,108,795		0
4	Elk Hills	Any Area	03041230		12WD-27R	A		468	1098			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Jun-11	1,067	1,078,796		0
4	Elk Hills	Any Area	03041231		22XWD-27R	A		513	1103			Occidental of Elk Hills, Inc.	22800022	WD				A			L TULARE		5800	27000	7-Apr-0	01-Oct-13	1,247	3,926,282		0
4	Elk Hills	Any Area	03041234		54WD-232	A		662	1497			Occidental of Elk Hills, Inc.	22800032	WD				A			TULARE/OLIG		4606	23000	16-May-08	01-Sep-12	1,276	1,001,949		0
4	Elk Hills	Any Area	03041235		55WD-232	A		564	1397			Occidental of Elk Hills, Inc.	22800032	WD			28-May-13	A			TULARE/OLIG		4606	23000	16-May-08	01-Oct-12	814	695,736		0

4	Elk Hills	Any Area	03041236		56WD-232	A		589	1400			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG	4606	23000	16-May-08	01-Jun-15	519	366,143	0
4	Elk Hills	Any Area	03041407		52WD-28R	A		598	1148			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Apr-15	1,185	5,911,045	0
4	Elk Hills	Any Area	03041408		62WD-28R	A		614	1150			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Aug-12	1,217	3,417,454	0
4	Elk Hills	Any Area	03041409		82WD-28R	A		562	1323			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Sep-12	1,126	1,640,927	0
4	Elk Hills	Any Area	03041834		11WD-27R	A		558	899			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Dec-15	913	2,573,517	0
4	Elk Hills	Any Area	03041835		21WD-27R	A		448	899			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Jul-15	551	178,906	0
4	Elk Hills	Any Area	03041836		51WD-28R	A		647	984			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Jul-15	821	2,143,477	0
4	Elk Hills	Any Area	03041837		61WD-28R	A		600	954			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Jul-15	821	1,279,588	0
4	Elk Hills	Any Area	03041838		81WD-28R	A		461	850			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Aug-15	700	148,725	0
4	Elk Hills	Any Area	03042354		53WD-232	A		645	1425			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG	4606	23000	16-May-08	01-Aug-15	1,064	810,563	0
4	Elk Hills	Any Area	03042355		78WD-232	A		540	1438			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG	4606	23000	16-May-08	01-Oct-15	820	614,398	0
4	Elk Hills	Any Area	03042356		88WD-232	A		565	1392			Occidental of Elk Hills, Inc.	22800032	WD			A			TULARE/OLIG	4606	23000	16-May-08	01-Jun-15	1,074	2,266,381	0
4	Elk Hills	Any Area	03042798		58WD-21R	A		669	1097			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-May-14	882	2,954,754	0
4	Elk Hills	Any Area	03042799		68WD-21R	A		658	1105			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Jul-15	882	2,528,195	0
4	Elk Hills	Any Area	03042800		88WD-21R	A		570	994			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Nov-12	851	735,150	0
4	Elk Hills	Any Area	03042801		18WD-22R	A		485	919			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Mar-15	821	962,004	0
4	Elk Hills	Any Area	03042802		28WD-22R	A		476	897			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Dec-15	638	402,856	0
4	Elk Hills	Any Area	03043855		24WD-27R	A		453	902			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Feb-15	610	1,269,298	0
4	Elk Hills	Any Area	03044228		56WD-21R	A		670	1207			Occidental of Elk Hills, Inc.	22800002	WD			A			TULARE	4668	28000	13-May-81	01-May-14	851	2,875,713	0
4	Elk Hills	Any Area	03044755		17WD-22R	A		530	1044			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Sep-15	546	574,215	0
4	Elk Hills	Any Area	03044756		57WD-21R	A		632	1163			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04		735	2,857,509	0
4	Elk Hills	Any Area	03044757		67WD-21R	A		647	1147			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Apr-15	669	2,864,128	0
4	Elk Hills	Any Area	03044758		87WD-21R	A		587	1146			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Aug-15	760	1,898,589	0
4	Elk Hills	Any Area	03045138		16WD-22R	A		506	412			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Mar-14	697	616,505	0
4	Elk Hills	Any Area	03045139		26WD-22R	A		489	1068			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Oct-15	639	815,805	0
4	Elk Hills	Any Area	03045140		27WD-22R	A		540	1017			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Feb-15	882	2,489,645	0
4	Elk Hills	Any Area	03045141		66WD-21R	A		568	1200			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Jul-15	882	2,465,743	0
4	Elk Hills	Any Area	03045142		86WD-21R	A		524	1044			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Sep-15	636	315,672	0
4	Elk Hills	Any Area	03045287		22WD-28R	A		543	1048			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-May-14	547	1,286,431	0
4	Elk Hills	Any Area	03045288		31WD-28R	A		641	1103			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-May-14	547	3,276,217	0
4	Elk Hills	Any Area	03045289		32WD-28R	A		567	978			Occidental of Elk Hills, Inc.	22800022	WD			A			L TULARE	5800	27000	7-Apr-04	01-Oct-15	547	1,857,162	0

4	Elk Hills	Any Area	03045290		42WD-28R	A	608	1072		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Feb-14	547	2,273,262	0
4	Elk Hills	Any Area	03045327		41WD-28R	A	655	1151		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Mar-14	547	2,430,813	0
4	Elk Hills	Any Area	03045355		11WD-28R	A	533	968		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Apr-14	547	1,189,508	0
4	Elk Hills	Any Area	03045356		12WD-28R	A	485	948		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Mar-14	547	774,351	0
4	Elk Hills	Any Area	03045357		21WD-28R	A	587	1092		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Mar-14	547	1,623,513	0
4	Elk Hills	Any Area	03045661		37WD-21R	A	662	1182		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Sep-13	212	321,454	0
4	Elk Hills	Any Area	03045662		38WD-21R	A	661	1169		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Apr-14	212	617,080	0
4	Elk Hills	Any Area	03045663		45WD-21R	A	693	1237		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Oct-13	212	293,563	0
4	Elk Hills	Any Area	03045664		46WD-21R	A	708	1250		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Oct-13	212	255,798	0
4	Elk Hills	Any Area	03045665		47WD-21R	A	679	1208		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Jul-13	212	923,219	0
4	Elk Hills	Any Area	03045666		48WD-21R	A	670	1184		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Apr-14	212	322,252	0
4	Elk Hills	Any Area	03045667		55WD-21R	A	668	1194		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Aug-13	212	441,679	0
4	Elk Hills	Any Area	03045669		75WD-21R	A	494	1029		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Oct-13	153	13,321	0
4	Elk Hills	Any Area	03045671		15WD-21R	N				Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04				
4	Elk Hills	Any Area	03045672		16WD-21R	N				Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04				
4	Elk Hills	Any Area	03045673		17WD-21R	A	653	1145		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Apr-14	212	426,567	0
4	Elk Hills	Any Area	03045674		18WD-21R	A	662	1154		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Jun-14	212	715,110	0
4	Elk Hills	Any Area	03045676		26WD-21R	A	687	1219		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Sep-13	181	356,825	0
4	Elk Hills	Any Area	03045677		27WD-21R	N				Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04				
4	Elk Hills	Any Area	03045678		28WD-21R	N				Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04				
4	Elk Hills	Any Area	03045732		15WD-22R	A	457	1059		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Mar-14	394	177,962	0
4	Elk Hills	Any Area	03045733		25WD-22R	N				Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-Dec-12	0	0	0
4	Elk Hills	Any Area	03053063		54WD-252	A	713	1494		Occidental of Elk Hills, Inc.	22800032	WD		A		TULARE/OLIG	4606	23000	16-May-08	01-Feb-14	0	0	0
4	Elk Hills	Any Area	03053135		52WD-232	A	1082			Occidental of Elk Hills, Inc.	22800032	WD		A		TULARE/OLIG	4606	23000	16-May-08	01-Feb-14	0	0	0
4	Elk Hills	Any Area	03053136		74WD-232	A	1175	1679		Occidental of Elk Hills, Inc.	22800032	WD		A		TULARE/OLIG	4606	23000	16-May-08	01-Feb-14	0	0	0
4	Elk Hills	Any Area	03053138		63WD-232	N	1176			Occidental of Elk Hills, Inc.	22800032	WD		A		TULARE/OLIG	4606	23000	16-May-08	01-May-14	0	0	0
4	Elk Hills	Any Area	03053845		25WDX-21R	A	724	1248		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-May-14	5	1,807	0
4	Elk Hills	Any Area	03053846		35WDX-21R	A	680	1207		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-May-14	5	1,754	0
4	Elk Hills	Any Area	03053847		36WDX-21R	A	678	1237		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-May-14	0	0	0
4	Elk Hills	Any Area	03053848		65WDX-21R	A	655	1194		Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04				
4	Elk Hills	Any Area	03053849		85WDX-21R	A	489			Occidental of Elk Hills, Inc.	22800022	WD		A		L TULARE	5800	27000	7-Apr-04	01-May-14	0	0	0

4	Elk Hills	Any Area	03054570		63WD-252	A					Occidental of Elk Hills, Inc.	22800032	WD			A		TULARE/OLIG	4606	23000	16-May-08							
4	Elk Hills	Any Area	03054571		64WD-252	A		728	1414		Vintage Production California LLC	22800032	WD			A		TULARE/OLIG	4606	23000	16-May-08							
4	Elk Hills	Any Area	03054572		74WD-252	N		728	1474		Occidental of Elk Hills, Inc.	22800032	WD			A		TULARE/OLIG	4606	23000	16-May-08							
4	Elk Hills	Any Area	03054573		84WD-252	A		720			Occidental of Elk Hills, Inc.	22800032	WD			A		TULARE/OLIG	4606	23000	16-May-08							
4	Fruitvale	Main	02950233	State	1	A		2835	2840		Gordon Dole	25609021	WD			A		ETCHEGOIN (FAIRHAVEN)	904	2100	18-May-82			11,428	135,280	0		
4	Fruitvale	Main	02967952	Hensley	5R	A		3452	4435		Summit Energy, LLC	25609051	WD		11-Jul-12	24-Sep-12	A		CHANAC-ROUND MOUNTAIN	3364	4330	10-Oct-96	01-Aug-97		8,270	1,535,851	0	
4	Jasmin	Any Area	02947687	Quinn	14-10	A		2797	2863		Hathaway LLC	32800003	WD			A		9-Sep-88	CANTLEBERRY	380	400	11-Oct-73			470	695,954	0	
4	Kern Front	Any Area	02908942	Movius	3	I		2500	2824		Vintage Production California LLC	33800016	WD		6-Feb-08		A		SANTA MARGARITA	1600	360	1-Jul-97	01-Jan-10		2,492	3,172,730	0	
4	Kern Front	Any Area	02908945		2	A		2405	2610		Vintage Production California LLC	33800016	WD				A		SANTA MARGARITA	1600	360	1-Jul-97			3,104	15,662,536	0	
4	Kern Front	Any Area	02948128	Mitchel	75	A		1444	1572		Western States International, Inc.	33800022	WD		1-Apr-12		S		21-Mar-12	CHANAC	390	340	20-Jun-05			214	959,317	0
4	Kern Front	Any Area	02948513	Judkins	1-7	A		1468	1548		Longbow, LLC	33800023	WD				A		25-Mar-07	CHANAC	390	337	25-Mar-07			641	1,517,595	0
4	Kern Front	Any Area	02949825	Mitchel	76	I		1474			Western States International, Inc.	33800022	WD		1-Apr-12		S		21-Mar-12	CHANAC	390	340	20-Jun-05			818	304,522	0
4	Kern Front	Any Area	02949915	Mitchel	65	I		0	0		Western States International, Inc.	33800022	WD		1-Apr-12		S		21-Mar-12	CHANAC	390	340	20-Jun-05			1,306	653,656	0
4	Kern Front	Any Area	02949916	Mitchel	67	I		0	0		Western States International, Inc.	33800022	WD		1-Apr-12		S		21-Mar-12	CHANAC	390	340	20-Jun-05	01-May-02		2,161	1,052,011	0
4	Kern Front	Any Area	02950363	Judkins	2-7	A		1441	1553		Longbow, LLC	33800023	WD				A		25-Mar-07	CHANAC	390	337	25-Mar-07			3,799	7,089,597	0
4	Kern Front	Any Area	02951043	Kern	WWD 1	A		2539	3189		Vintage Production California LLC	33800002	WD		3-Aug-12	11-Aug-12	A			SANTA MARGARITA	2318	400	28-Apr-75	01-Jun-02		5,771	19,139,897	0
4	Kern Front	Any Area	02961469		D-11	A		2330	2657		Vintage Production California LLC	33800016	WD				A			SANTA MARGARITA	1600	360	1-Jul-97			4,686	16,230,969	0
4	Kern Front	Any Area	02962979		4-4W	I		2840	3425		Bellaire Oil Company	33800011	WD		20-Nov-95		S			SANTA MARGARITA	890	790	19-Aug-88	01-Feb-87		737	2,655,272	0
4	Kern Front	Any Area	02973065	Movius A	18	A		2470	2699		Vintage Production California LLC	33800021	WD		5-Feb-07		S			SANTA MARGARITA	1600	410	18-Feb-04			522	300,434	0
4	Kern Front	Any Area	02986511		WD 1	A		2310	2410		Badger Creek Ltd.	33800012	WD				A			SANTA MARGARITA	1500	6400	13-Jun-97	01-Jun-04		7,665	7,518,159	
4	Kern Front	Any Area	03018994	Robinson	B-WD1	A		2774	3152		Vintage Production California LLC	33800018	WD				A			SANTA MARGARITA	1300	740	4-Sep-01	01-Nov-09		2,640	5,898,647	0
4	Kern Front	Any Area	03019413	Young Fee	WD1	A		2322	2745		Vintage Production California LLC	33800017	WD				T		29-Mar-07	SANTA MARGARITA	1600	630	19-Nov-97	01-Apr-11		3,665	12,682,907	0
4	Kern Front	Any Area	03019563		WD1	A		2456	2814		Vintage Production California LLC	33800020	WD		3-May-07	12-Sep-07	A			SANTA MARGARITA	1600	493	2-Nov-01	01-Aug-10		3,560	15,780,682	0
4	Kern Front	Any Area	03032871		WD2	A		2374			Vintage Production California LLC	33800020	WD		6-Aug-12		A			SANTA MARGARITA	1600	493	2-Nov-01	01-Jun-11		1,735	581,079	0
4	Kern Front	Any Area	03044524	Young Fee	WD2	A		2775	4099		Vintage Production California LLC	33800020	WD				A			SANTA MARGARITA	1600	493	2-Nov-01	01-May-14		515	12,558,786	0
4	Kern Front	Any Area	03050047	Young Fee	WD3	A		2743	4043		Vintage Production California LLC	33800020	WD				A			SANTA MARGARITA	1600	493	2-Nov-01	01-Jan-14		119	2,457,903	0
4	Kern River	Any Area	02926346	Overland	31D	A		756	1060		Chevron U.S.A. Inc.	34000045	WD		7-Feb-02	16-Nov-99	S		23-Aug-08	CHANAC/SANTA MARGARITA	3325	854	25-Oct-91	01-Feb-98		6,928	29,276,470	0
4	Kern River	Any Area	02940729	Government 3	3	A		790	960		Chevron U.S.A. Inc.	34000057	WD		10-Sep-13		A			KERN RIVER	750	690	1-Feb-06	01-Sep-11		651	174,963	0
4	Kern River	Any Area	02944305	Luck	508	A					Chevron U.S.A. Inc.	19024004	WD				A			TULARE	7484	156458	12-Dec-86			9,449	1,880,883	0
4	Kern River	Any Area	02951179	Monte Cristo No. 1	10-128	A					Chevron U.S.A. Inc.	34000005	WD				T			SANTA MARGARITA	2240	290	11-Mar-84			6,698	1,963,268	0
4	Kern River	Any Area	02955750	H.H. & F.	2D	I		1130	1698		Chevron U.S.A. Inc.	34000030	WD		9-Dec-04		A			CHANAC/SANTA MARGARITA	1400	433.7	8-Jul-77	01-Jun-04		7,656	60,829,823	0
4	Kern River	Any Area	02961105	Green & Whittier A	WD 1	A		1920	5946		Chevron U.S.A. Inc.	34000046	WD				A			SANTA MARGARITA/VEDDER/FAMOSO	5697	447.6	11-Jul-88	01-Jun-04		2,640	9,445,220	0
4	Kern River	Any Area	02962003	Ferne	SWD 1	A		2140	2385		Kern River Holdings Inc.	34000016	WD		6-Apr-10	3-May-10	A			SANTA MARGARITA/VEDDER	960	659	5-May-90	01-Sep-03		8,823	19,805,352	0
4	Kern River	Any Area	02967587	Moneta	65-X	I		1708	5845		Chevron U.S.A. Inc.	34000046	WD		7-Jun-08		A			SANTA MARGARITA/VEDDER/FAMOSO	5697	447.6	11-Jul-88			1,572	19,726,808	0
4	Kern River	Any Area	02967907	Overland	34WD	A		624	1205		Chevron U.S.A. Inc.	34000045	WD		7-Sep-01		S		23-Aug-08	CHANAC/SANTA MARGARITA	3325	854	25-Oct-91	01-Sep-08		5,983	32,077,873	0
4	Kern River	Any Area	02969903	Kern A	53-X	I		1510	5897		Chevron U.S.A. Inc.	34000046	WD		3-Feb-10		A			SANTA MARGARITA/VEDDER/FAMOSO	5697	447.6	11-Jul-88			1,876	23,287,465	0
4	Kern River	Any Area	02970045	San Joaquin	WD 3	A		1400	2048	1312	Chevron U.S.A. Inc.	34000032	WD				A			CHANAC/SANTA MARGARITA	946	421	22-Dec-77	01-Sep-04		4,213	21,447,764	0
4	Kern River	Any Area	02970046	San Joaquin	WD 4	A		2043	2150		Chevron U.S.A. Inc.	34000035	WD				A			SANTA MARGARITA	1018	450	29-Aug-75	01-Nov-04		6,684	13,814,353	0

4	Kern River	Any Area	02970047	San Joaquin	WD 5	A	2112	2230		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Oct-04	4,215	18,330,315	0
4	Kern River	Any Area	02970048	San Joaquin	WD 6	A	1560	2003		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Oct-04	4,368	27,068,123	0
4	Kern River	Any Area	02970049	San Joaquin	WD 7	A	1620	2290		Chevron U.S.A. Inc.	34000032	WD	7-Jul-05	11-Aug-05	A		CHANAC/SANTA MARGARITA	946	421	22-Dec-77	01-Sep-05	4,400	29,415,241	0
4	Kern River	Any Area	02971717	Overland	35WD	A	818	1087		Chevron U.S.A. Inc.	34000035	WD	7-Feb-02		A		SANTA MARGARITA	1018	450	29-Aug-75	01-May-04	5,321	6,776,533	0
4	Kern River	Any Area	02972050	KCL-10	2K	A	695	1025		Chevron U.S.A. Inc.	34000010	WD	6-Sep-01	15-Aug-95	S		CHANAC/SANTA MARGARITA	694	491	16-May-84		5,212	31,894,780	0
4	Kern River	Any Area	02973218	Government 3	557	A	1028	1116		Chevron U.S.A. Inc.	34000157	WD			A		KERN RIVER,CHANAC,SANTA MARGAR	1177	690	1-Jan-05	01-Feb-14	363	134,028	0
4	Kern River	Any Area	02973297	McManus	1 WD	A	700	850		Chevron U.S.A. Inc.	34000019	WD			A		CHANAC	3325	640	19-Jun-81	01-May-04	8,638	21,860,992	0
4	Kern River	Any Area	02975045	American Naphtha	D1-31	I	1458	2271		Chevron U.S.A. Inc.	34000030	WD	7-Aug-02		A		CHANAC/SANTA MARGARITA	1400	433.7	8-Jul-77		5,767	87,668,849	0
4	Kern River	Any Area	02975049		D3-3	A	965	1610		Chevron U.S.A. Inc.	34000030	WD			A		CHANAC/SANTA MARGARITA	1400	433.7	8-Jul-77	01-Aug-04	8,755	24,848,985	0
4	Kern River	Any Area	02975053	Monte Cristo No. 1	D3-5	A	1412	2213		Chevron U.S.A. Inc.	34000030	WD	4-Nov-05		A		CHANAC/SANTA MARGARITA	1400	433.7	8-Jul-77		5,756	42,286,512	0
4	Kern River	Any Area	02976134	Gold Standard	WD-1	A	1773	1949		Chevron U.S.A. Inc.	34000035	WD	10-Apr-01	11-Jan-10	A		SANTA MARGARITA	1018	450	29-Aug-75	01-Oct-04	2,491	7,370,592	0
4	Kern River	Any Area	02976158	San Joaquin	WD 9	A	1510	2136		Chevron U.S.A. Inc.	34000032	WD	3-Jun-05	27-Oct-05	A		CHANAC/SANTA MARGARITA	946	421	22-Dec-77	01-Jan-05	4,488	22,421,587	0
4	Kern River	Any Area	02976159	May	WD-1	I	1450	1952		Chevron U.S.A. Inc.	34000032	WD	20-Nov-95		A		CHANAC/SANTA MARGARITA	946	421	22-Dec-77	01-Mar-01	802	11,195,429	0
4	Kern River	Any Area	02977806	KCL-10	210	A	960	1200		Chevron U.S.A. Inc.	34000019	WD	7-Sep-01	9-Jan-98	A		CHANAC	3325	640	19-Jun-81	01-Sep-04	4,876	36,672,994	0
4	Kern River	Any Area	02977807	KCL-10	212	A	1259	1606		Chevron U.S.A. Inc.	34000035	WD	7-Sep-01		A		SANTA MARGARITA	1018	450	29-Aug-75	01-Oct-04	3,983	10,536,912	0
4	Kern River	Any Area	02979468	Davis Fee	D1-8	A	1617	1830		Chevron U.S.A. Inc.	34000030	WD	20-Nov-95		A		CHANAC/SANTA MARGARITA	1400	433.7	8-Jul-77		1,287	6,467,757	0
4	Kern River	Any Area	02980256		25-WD 1	A	2182	2445		Chevron U.S.A. Inc.	34000035	WD	20-Sep-12		A		SANTA MARGARITA	1018	450	29-Aug-75	01-Oct-05	4,843	16,712,953	0
4	Kern River	Any Area	02980421	Orient	WD 1	A	1912	2118		Chevron U.S.A. Inc.	34000035	WD	9-Dec-02	5-Aug-05	A		SANTA MARGARITA	1018	450	29-Aug-75	01-Jan-05	1,914	16,947,709	0
4	Kern River	Any Area	02983024	Fee A	WDW 3	A	2075	2383		Chevron U.S.A. Inc.	34000035	WD	5-Oct-99		A		SANTA MARGARITA	1018	450	29-Aug-75	01-Feb-06	2,644	2,241,937	0
4	Kern River	Any Area	02983025	Fee B	WDW 2	A	1998	2342		Chevron U.S.A. Inc.	34000035	WD	3-Jun-05		A		SANTA MARGARITA	1018	450	29-Aug-75	01-Sep-05	2,608	2,531,870	0
4	Kern River	Any Area	02983163	Queen Esther	WD 1	A	2128	2364		Chevron U.S.A. Inc.	34000035	WD	8-May-06	20-Jul-06	A		SANTA MARGARITA	1018	450	29-Aug-75	01-Sep-05	5,057	19,190,548	0
4	Kern River	Any Area	02983164	Sterling	WD 1	A	1807	2036		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Mar-04	2,128	10,381,460	0
4	Kern River	Any Area	02983235	Fee A	WDW 4	A	2078	2370		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Apr-1	5,706	5,567,619	0
4	Kern River	Any Area	02984592	Pearl E. Berry	WD-1	A	1486	1645		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Mar-04	1,705	8,379,827	0
4	Kern River	Any Area	03000162	Nukern	WD-1	A	2085	2280		Kern River Holdings Inc.	34000048	WD	3-Dec-10	13-Dec-10	A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Jun-04	4,227	7,164,070	0
4	Kern River	Any Area	03006705	Fee B	WDW 3	A	2015	2370		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Feb-06	856	1,093,184	0
4	Kern River	Any Area	03010793	Hotchkiss	14D-10	A	991	3226		Chevron U.S.A. Inc.	34000035	WD			A		SANTA MARGARITA	1018	450	29-Aug-75	01-Aug-08	3,142	20,252,900	0
4	Kern River	Any Area	03010794		WD-1	A	333	1649		Vintage Production California LLC	34000054	WD			A		KERN RIVER	1000	370	27-Apr-98	01-Apr-01	5,539	36,210,826	0
4	Kern River	Any Area	03010795		WD-2	A	563	1675		Vintage Production California LLC	34000054	WD			A		KERN RIVER	1000	370	27-Apr-98	01-Apr-01	5,633	87,990,450	0
4	Kern River	Any Area	03044985	Nukern	WD-2	A	2163	2363		Kern River Holdings Inc.	34000048	WD			A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Jun-1	791	1,821,766	0
4	Kern River	Any Area	03044986	Nukern	WD-3	A	2125	2350		Kern River Holdings Inc.	34000048	WD			A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92		760	1,604,620	0
4	Kern River	Any Area	03046344	Gray	WD-1	A	772	1008		Gray Development Co. LLC	34000158	WD			A	2-Mar-11	SANTA MARGARITA	500	2200	11-Jan-12	01-Jan-14	528	150,572	0
4	Kern River	Any Area	03050678	Ferne	SWD-2	A	2195	2470		Kern River Holdings Inc.	34000048	WD			A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Apr-1	370	490,532	
4	Kern River	Any Area	03050753	Orloff	SWD-1	A	2233	2447		Kern River Holdings Inc.	34000048	WD			A	1-Jun-06	SANTA MARGARITA	1135	6700	25-Feb-92	01-Dec-13	161	595,468	
4	Lost Hills	Any Area	03003066		7-10D	A				Chevron U.S.A. Inc.	46400139	WD			S	27-Jul-01	TULARE/POTTER	5888	7103	20-Jun-94				
4	Lost Hills	Any Area	03023231		WD1-1	A	445	1810		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Aug-14	2,281	243,131	0
4	Lost Hills	Any Area	03032808		WD3-3	A	750	980		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Feb-12	2,283	1,508,316	0
4	Lost Hills	Any Area	03032810		WD5-5	A	775	1025		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Jan-12	2,309	1,631,521	0
4	Lost Hills	Any Area	03032811		WD6-6	A	755	1010		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Oct-11	2,309	1,414,589	0
4	Lost Hills	Any Area	03032872		WD7-7	A	780	1060		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Jan-12	2,309	1,452,025	0
4	Lost Hills	Any Area	03033947		WD2-2R	A	765	980		Chevron U.S.A. Inc.	43200040	WD			A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Jan-12	2,332	1,088,002	0
4	Lost Hills	Any Area	03033948		WD4-4R	A	790	965		Chevron U.S.A. Inc.	43200040	WD	5-Jan-10	25-Jan-10	A		TULARE/ETCHEGOIN	4375	24324	10-Jun-01	01-Jul-11	2,332	464,711	0
4	Lost Hills, Northwest	Any Area	03009908	Union Bank	W1-1-12	A	1496	1506		Proteus Energy California, LLC	43400001	WD			A		ETCHEGOIN		35469	12-Nov-97	01-Jul-06	5,599	1,262,845	0
4	McKittrick	Northeast	02958657		9-2	A	420	798		Linn Operating, Inc.	45406003	WD	4-Jun-08	25-Feb-10	A	13-May-05	TULARE (UPPER,AIR SANDS)	1975	3124	3-Nov-80		2,894	2,516,968	0
4	McKittrick	Northeast	02960351	Gabriel	13-12	A	524	900		Griffin Resources, LLC	45406021	WD	6-Feb-08	27-Feb-08	A		TULARE	6800	3600	16-May-95		6,966	1,288,149	6
4	McKittrick	Northeast	02979339	Giant	10-WW	A	160	584		Chevron U.S.A. Inc.	45406014	WD	7-Aug-00		S	16-Jun-11	TULARE	2740	12460	20-Nov-84	01-Oct-04	4,506	8,309,328	0
4	McKittrick	Northeast	02979439	Del Monte	3-WW	A	273	589		Chevron U.S.A. Inc.	45406014	WD	8-Aug-05		S	16-Jun-11	TULARE	2740	12460	20-Nov-84	01-Oct-04	5,920	3,215,816	0
4	McKittrick	Northeast	03001169		BW 5	A	350	540		Linn Operating, Inc.	45406003	WD	10-Apr-07	25-Jan-10	A	13-May-05	TULARE (UPPER,AIR SANDS)	1975	3124	3-Nov-80	01-Mar-9	3,367	2,014,291	0
4	McKittrick	Northeast	03042399		WD 3	A	310	380		Linn Operating, Inc.	45406003	WD			A	13-May-05	TULARE (UPPER,AIR SANDS)	1975	3124	3-Nov-80	01-Jun-1	1,035	943,515	0

4	Midway-Sunset	Any Area	02950031		WI-2	I	500	900		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Sep-02	764	1,913,426	0
4	Midway-Sunset	Any Area	02952612		WI-4	I	478	972		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jul-02	2,107	20,960,837	0
4	Midway-Sunset	Any Area	02954269	555 S.Z. Unit	5WD-19B	I	536	1408		Vintage Production California LLC	08006021	WD	6-Oct-09		A		TULARE	4212	26000	5-Sep-89	01-Apr-02	10,439	23,998,271	0
4	Midway-Sunset	Any Area	02954270	555 S.Z. Unit	4WD-19B	A	515	1398		Vintage Production California LLC	08006021	WD	6-Oct-09		A		TULARE	4212	26000	5-Sep-89	01-Jul-02	9,972	18,586,459	0
4	Midway-Sunset	Any Area	02958569	Bremer	555WD	A	1790	2250		Freeport-McMoRan Oil & Gas LLC	46400278	WD			A		SPELLACY	3117	56766	31-Aug-07	01-Jun-92	3,270	1,862,401	0
4	Midway-Sunset	Any Area	02959935	Bremer	O-124-16	A	1726	2550		Freeport-McMoRan Oil & Gas LLC	46400278	WD	2-Dec-09	7-Dec-09	A		SPELLACY	3117	56766	31-Aug-07	01-Mar-12	1,842	795,256	0
4	Midway-Sunset	Any Area	02963183	Fairfield	85	A	1374	1457		Linn Operating, Inc.	46400036	WD			A		POTTER	2800	5689	28-Mar-67	01-Jul-12	678	3,774,491	0
4	Midway-Sunset	Any Area	02964256	Santiago Creek	WD1	A	900	1657		Holmes Western Oil Corporation	46400172	WD			A		TULARE	9590	12321	9-Oct-02	01-Nov-02	6,993	7,103,808	0
4	Midway-Sunset	Any Area	02972262	Santiago Creek	WD2	A	1120	2440		Holmes Western Oil Corporation	46400172	WD			A		TULARE	9590	12321	9-Oct-02	01-Apr-04	5,737	6,084,900	0
4	Midway-Sunset	Any Area	02978246		WI-6	A	468	1100		Valley Water Management Company	46400041	WD	1-Apr-12	7-Dec-09	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jan-09	2,954	10,492,389	0
4	Midway-Sunset	Any Area	02978248		WI-8	A	441	1100		Valley Water Management Company	46400041	WD	7-Feb-02		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-09	5,497	59,907,362	0
4	Midway-Sunset	Any Area	02978250		WI-10	A	603	1100		Valley Water Management Company	46400041	WD	10-Jan-09	23-Dec-09	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-09	2,107	1,867,638	0
4	Midway-Sunset	Any Area	02978251		WI-11	I	522	1100		Valley Water Management Company	46400041	WD	20-Nov-95		A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Feb-09	1,471	8,473,169	0
4	Midway-Sunset	Any Area	02982555		WI-17	A	399	998		Valley Water Management Company	46400041	WD	8-Dec-03	19-Dec-06	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Apr-04	5,581	17,415,703	0
4	Midway-Sunset	Any Area	02982556		WI-18	A	519	998		Valley Water Management Company	46400041	WD	5-Jan-10	23-Apr-09	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Mar-09	3,538	8,794,863	0
4	Midway-Sunset	Any Area	02982557		WI-19	A	389	998		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jan-09	9,350	139,212,522	0
4	Midway-Sunset	Any Area	02982558		WI-20	A	556	994		Valley Water Management Company	46400041	WD	7-Jan-02	18-Dec-99	A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Oct-09	2,310	5,351,323	0
4	Midway-Sunset	Any Area	02982689	Fairfield	166	A	1410	1545	1480	Linn Operating, Inc.	46400036	WD			A		POTTER	2800	5689	28-Mar-67		471	110,852	0
4	Midway-Sunset	Any Area	02983271	C. E. Houchin et al	WDW 1-9	I	1092	1920		Jaco Production Company	46400101	WD	5-Oct-98	17-Sep-98	S		MONARCH (SPELLACY)	3243	1300	29-Aug-86	01-May-09	3,065	2,287,662	0
4	Midway-Sunset	Any Area	02987893	Ripley-Tatum	T-34	A	354	550		Seneca Resources Corporation	46400251	WD			A		TULARE/SAN JOAQUIN	4770	9249	4-Jun-06		2,061	1,035,718	0
4	Midway-Sunset	Any Area	03010079		510	A				Chevron U.S.A. Inc.	19024004	WD			A		TULARE	7484	156458	12-Dec-86				
4	Midway-Sunset	Any Area	03021169	Western Minerals NCT-1	WD3	A	955	3614		Holmes Western Oil Corporation	46400172	WD	2-Jul-09	14-Jul-09	A		TULARE	9590	12321	9-Oct-02	01-Mar-12	2,856	2,707,530	0
4	Midway-Sunset	Any Area	03021170	Western Minerals NCT-1	WD4	A	973	2200		Holmes Western Oil Corporation	46400172	WD	2-Dec-09	7-Dec-09	A		TULARE	9590	12321	9-Oct-02	01-Apr-14	3,861	5,958,102	0
4	Midway-Sunset	Any Area	03024364	Western Minerals NCT-1	30	A	990	1264		Holmes Western Oil Corporation	46400003	WD			T		ANTELOPE SANDS	6888	9661	22-Apr-82		874	736,183	0
4	Midway-Sunset	Any Area	03040556		WI-27	A	400	1000		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Jun-12	1,439	7,702,249	0
4	Midway-Sunset	Any Area	03040557		WI-28	A	425	1000		Valley Water Management Company	46400041	WD			A		TULARE (UNSATURATED)	5898	13614	20-Nov-74	01-Oct-12	1,439	7,317,809	0
4	Midway-Sunset	Any Area	03048983	Fairfield Fee D	WD 11	A	612	837		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Oct-12	515	758,654	0
4	Midway-Sunset	Any Area	03048984	Fairfield Fee D	WD 21	A	575	850		Linn Operating, Inc.	46400074	WD			A		TULARE	5898	8844	4-Nov-88	01-Nov-12	577	328,752	0

4	Midway-Sunset	Any Area	03048985	Fairfield Fee D	WD 26	A		595	816							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Sep-13	515	336,445	0	
4	Midway-Sunset	Any Area	03048986	Fairfield Fee D	WD 35	A		497	625							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Aug-13	577	679,450	0	
4	Midway-Sunset	Any Area	03048987	Fairfield Fee D	WD 40	A		348	628							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Jul-13	577	490,421	0	
4	Midway-Sunset	Any Area	03048989	Fairfield Fee D	WD 30	A		609	838							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-May-14	546	958,092	0	
4	Midway-Sunset	Any Area	03048990	Fairfield Fee D	WD 36	A		573	821							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Sep-13	515	1,556,500	0	
4	Midway-Sunset	Any Area	03048991	Fairfield Fee D	WD 45	A		635	745							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Oct-13	577	376,928	0	
4	Midway-Sunset	Any Area	03048992	Fairfield Fee D	WD 49	A		765	855							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Sep-13	515	337,577	0	
4	Midway-Sunset	Any Area	03051198	Fairfield Fee D	WD 29	A		650	734							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Nov-13	365	438,961	0	
4	Midway-Sunset	Any Area	03051199	Fairfield Fee D	WD 33	A		740	804							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Dec-13	334	315,418	0	
4	Midway-Sunset	Any Area	03051200	Fairfield Fee D	WD 38	A		442	611							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Dec-13	334	419,039	0	
4	Midway-Sunset	Any Area	03051201	Fairfield Fee D	WD 43	A		383	574							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Nov-13	365	506,373	0	
4	Midway-Sunset	Any Area	03051202	Fairfield Fee D	WD 47	A		422	584							Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Jan-14	365	350,158	0	
4	Midway-Sunset	Any Area	03051203	Fairfield Fee D	WD 51	N										Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88	01-Jul-13				
4	Midway-Sunset	Any Area	03053084		WI-29	A		400	1000							Valley Water Management Company	46400041	WD								A				TULARE (UNSATURATED)		5898	13614	20-Nov-74	01-Jan-14	92	711,096	0	
4	Midway-Sunset	Any Area	03053415	Fairfield Fee D	WD 55	N										Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88					
4	Midway-Sunset	Any Area	03053416	Fairfield Fee D	WD 56	N										Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88					
4	Midway-Sunset	Any Area	03053417	Fairfield Fee D	WD 65	N										Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88					
4	Midway-Sunset	Any Area	03055802	Fairfield Fee D	WD 57	N										Linn Operating, Inc.	46400074	WD								A				TULARE		5898	8844	4-Nov-88					
4	Mount Poso	Baker-Grover	02958273	Tribe-B	65WD-28	A		595	683							Pace Diversified Corporation	48803002	WD								A			7-May-93	OLCESE		1200	1200	20-Jun-73	01-Nov-93	11,820	2,696,910	0	
4	Mount Poso	Domission	02942956	Kelley-Knapp	8	I		1494								SOC Resources, Inc.	48806004	WD								S			26-Jun-03	OLCESE		539	0	19-Feb-82	01-Feb-03	1,072	928,468	0	
4	Mount Poso	Main	02912893	Vedder	52P	A										Vintage Production California LLC	01800001	WD								A				OLCESE		1390	3600	19-Feb-82	01-Nov-94	1,039	116,031	0	
4	Mount Poso	Main	02947370	Vedder-Rall	W.D. 314	I		2365	2785							Vintage Production California LLC	48815017	WD			4-May-00	14-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Aug-02	7,568	113,909,729	0	
4	Mount Poso	Main	02947371	Vedder-Rall	W.D. 316	I		2368	2790							Vintage Production California LLC	48815017	WD			4-May-00	19-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Aug-02	7,494	106,220,116	0	
4	Mount Poso	Main	02950412	Shapiro	234	A		1760	2270							SOC Resources, Inc.	48815019	WD								A			30-May-03	VEDDER/WALKER		1069	600	2-Dec-74	01-Jul-77	3,928	25,953,960	0	
4	Mount Poso	Main	02950650	Tribe A	10	I		233	583							Pace Diversified Corporation	48815022	WD			3-May-83						A			28-Jan-13	OLCESE		916	1500	27-Feb-75	01-Mar-03	4,297	12,410,083	0
4	Mount Poso	Main	02950738	Shapiro	222	A		1860	2160							SOC Resources, Inc.	48815019	WD			1-Jul-10	18-Apr-11						A		30-May-03	VEDDER/WALKER		1069	600	2-Dec-74	01-Feb-98	3,192	15,786,848	0
4	Mount Poso	Main	02957201	Rench	WD 346	I		1656	2398							Vintage Production California LLC	48815017	WD			3-Jan-03	17-Jan-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Jan-03	6,348	183,281,644	0	
4	Mount Poso	Main	02965841	Vedder-Rall	WD 325	A		2340	2729							Vintage Production California LLC	48815017	WD								A				PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Sep-03	11,076	143,248,629	0	
4	Mount Poso	Main	02967085	Shapiro	365 WD	A		1840	2551							SOC Resources, Inc.	48815019	WD								A			30-May-03	VEDDER/WALKER		1069	600	2-Dec-74	01-Jun-11	960	3,052,065	0	
4	Mount Poso	Main	02967509	B.N.B.	256	A		1751								SOC Resources, Inc.	48815019	WD								A			30-May-03	VEDDER/WALKER		1069	600	2-Dec-74		3,165	3,453,656	0	
4	Mount Poso	Main	02968645	Vedder-Rall	WD 143	I		2069	2820							Vintage Production California LLC	48815017	WD			4-May-00	19-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Mar-04	4,989	46,938,860	0	
4	Mount Poso	Main	02968733	Matthew Fee	232WD	A		2000	2620							Vintage Production California LLC	48815017	WD								A				PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Dec-04	10,349	148,499,629	0	
4	Mount Poso	Main	02968734	Matthew Fee	263WD	I		1881	2518							Vintage Production California LLC	48815017	WD			6-Jan-99	29-Jan-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-May-04	3,550	29,340,375	0	
4	Mount Poso	Main	02968909	Vedder-Rall	WD 131R	A		1970	2690							Vintage Production California LLC	48815017	WD			4-May-00	19-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Dec-03	5,366	44,460,202	0	
4	Mount Poso	Main	02969364	Vedder	WD 881	I		1492	2096							Vintage Production California LLC	48815017	WD			4-May-00	14-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Dec-03	5,074	56,693,044	0	
4	Mount Poso	Main	02973976	Matthew Fee	272WD	I		1829	2428							Vintage Production California LLC	48815017	WD			9-Aug-03						A			PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Jun-04	4,731	106,748,051	0	
4	Mount Poso	Main	02974055	Matthew Fee	276WD	I		1878	2341							Vintage Production California LLC	48815017	WD			6-Jan-99	3-Jun-13								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Jul-04	4,548	87,497,712	0	
4	Mount Poso	Main	02974716	Tribe A	14	I		2092	2515							Pace Diversified Corporation	48815014	WD			4-Oct-95						S			21-Nov-97	VEDDER		1652	1500	18-Mar-83	01-Sep-03	1,947	2,279,411	0
4	Mount Poso	Main	02976530	Sarrett Fee	445WD	I		1934	2315							Vintage Production California LLC	48815017	WD			4-Feb-99						A			PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Feb-09	4,467	16,569,131	0	
4	Mount Poso	Main	02976604	Shapiro	132	I										SOC Resources, Inc.	48815019	WD								A			30-May-03	VEDDER/WALKER		1069	600	2-Dec-74					
4	Mount Poso	Main	02976605	Shapiro	134	A		1764	1866							SOC Resources, Inc.	48815019	WD			4-Jan-11	15-Nov-10						A		30-May-03	VEDDER/WALKER		1069	600	2-Dec-74	01-May-11	1,823	29,003,280	
4	Mount Poso	Main	02982922	Vedder-Rall	WD 155R	A		1987	2463							Vintage Production California LLC	48815017	WD			7-May-03	14-Apr-99								PYRAMID HILL/VEDDER		2900	1530	15-Jul-65	01-Feb-06	4,317	79,068,689	0	

4	Mount Poso	West	02914048	Ring 18	9	A	600	2460		Macpherson Operating Company, L.P.	48818026	WD		A		VEDDER	2199	4980	16-Oct-86		1,714	10,998,825	30	
4	Mount Poso	West	02914064	Ring 20	3	A	920	1130		Macpherson Operating Company, L.P.	48818029	WD	8-Sep-08	A		OLCESE	2328	8700	16-Dec-74	01-Apr-01	10,304	51,802,169	0	
4	Mount Poso	West	02987404	Ring 18	21	A	2380	2423		Macpherson Operating Company, L.P.	48818026	WD	6-Oct-09	14-Oct-09	A		VEDDER	2199	4980	16-Oct-86		1,154	4,731,047	30
4	Mount Poso	West	03042925	Ring 18	WD-1	A	2430	2797		Macpherson Operating Company, L.P.	48818026	WD	11-Aug-13	1-Sep-13	A		VEDDER	2199	4980	16-Oct-86	01-May-13	908	4,347,178	0
4	Mountain View	Arvin	02914595	George	19	I	2928	3600		Sunray Petroleum, Inc.	49003001	WD	11-Feb-04	15-Nov-01	S	31-Aug-05	KERN RIVER	964	1200	19-Feb-82	01-Aug-03	2,861	465,479	0
4	Mountain View	Arvin, West,	02946454	Richards	1-1	A	6078	6666		Petro Capital Resources, LLC	49006013	WD	4-Aug-10	9-Aug-10	A	25-Feb-97	KERN RIVER/CHANAC/SNTA MARG	5110	4300	4-Aug-93		4,578	241,598	0
4	Mountain View	Main	02914276	Mott	1	I	3890	4473		Bennett Petroleum, Inc.	49012010	WD	4-Mar-08		A	4-Mar-81	KERN RIVER/CHANAC	1232	3200	5-Apr-74	01-Nov-01	2,736	224,304	0
4	Poso Creek	Enas	02916041	Cuccia-U.S.L.	76	I	1942	2183		E & B Natural Resources Management Corporation	56603001	WD	20-Nov-95		S		ETCHEGOIN/CHANAC	1105	1100	14-Mar-74		3,486	948,091	0
4	Poso Creek	McVan	02958126	USL	14-16SWD	A	1478	1478		Linn Operating, Inc.	56606009	WD	5-Dec-06		A		SANTA MARGARITA	2060	793	10-Mar-04	01-Nov-13	3,812	23,090,225	0
4	Poso Creek	McVan	02960214	Claffin	10	A	1322	1393		E & B Natural Resources Management Corporation	56606007	WD			A		ETCHEGOIN	262	240	10-Nov-98	01-May-06	351	723,270	0
4	Poso Creek	McVan	03027059	USL	17-3WD	A	1628	1784		Linn Operating, Inc.	56606009	WD	11-Jul-13	22-Jul-13	A		SANTA MARGARITA	2060	793	10-Mar-04	01-Feb-13	3,023	16,523,689	0
4	Poso Creek	McVan	03027060	USL	10-1WD	A	1529	1689		Linn Operating, Inc.	56606009	WD			A		SANTA MARGARITA	2060	793	10-Mar-04	01-Dec-13	3,218	32,848,905	0
4	Poso Creek	McVan	03032463	McVan	WDW 3	A	1510	1655		Linn Operating, Inc.	56606009	WD	5-Aug-05		A		SANTA MARGARITA	2060	793	10-Mar-04	01-Jan-12	2,465	21,848,928	0
4	Poso Creek	McVan	03038897	McVan	WDW4	A	1466			Linn Operating, Inc.	56606009	WD	5-Jan-10	25-Jan-10	A		SANTA MARGARITA	2060	793	10-Mar-04		1,795	12,129,670	0
4	Poso Creek	McVan	03040214	Poso	WDW 5	A	1483	1646		Linn Operating, Inc.	56606009	WD	3-Feb-11	8-Feb-11	A		SANTA MARGARITA	2060	793	10-Mar-04	01-May-13	1,430	10,898,818	0
4	Poso Creek	McVan	03052514	Enas Fee	WD1	A	3537	3547		E & B Natural Resources Management Corporation	56606010	WD			A	5-Mar-13	SANTA MARGARITA		240	12-Aug-13				
4	Poso Creek	Premier	02914764	New Hope	SWD1	A	2287	3436		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85	01-Jan-05	5,600	11,034,880	0
4	Poso Creek	Premier	02958585	USL	12-4	A	2200	2391		E & B Natural Resources Management Corporation	56609019	WD		19-Jan-07	A		BASAL CHANAC/SANTA MARGARITA	570	2300	16-Feb-88		9,499	20,733,323	0
4	Poso Creek	Premier	02959841	Federal	8-1	A	2916	3750		E & B Natural Resources Management Corporation	56609020	WD	6-May-06		A		CHANAC/SANTA MARGARITA	2734	3120	18-Sep-84		7,772	18,646,566	0
4	Poso Creek	Premier	02975129	Midway Premier	62	A	2880	3380		E & B Natural Resources Management Corporation	56609009	WD	10-Mar-10	5-Apr-10	A		SANTA MARGARITA	1486	1780	1-Aug-75	01-Dec-11	7,603	37,922,454	0
4	Poso Creek	Premier	02984583	USL	2-6	A	2660	2860		E & B Natural Resources Management Corporation	56609019	WD			A		BASAL CHANAC/SANTA MARGARITA	570	2300	16-Feb-88		1,375	1,142,048	0
4	Poso Creek	Premier	03033614	New Hope	21WD	A	2295	2500		E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85	01-Dec-11	1,949	34,247,499	0

4	Poso Creek	Premier	03033616	New Hope	23WD	A	2295	2530			E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85		1,332	10,447,824	0
4	Poso Creek	Premier	03034634	New Hope	24WD	A	2330	2530			E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85		1,035	3,480,372	0
4	Poso Creek	Premier	03034900	New Hope	12WD	A	2640	2810			E & B Natural Resources Management Corporation	56609011	WD			A		SANTA MARGARITA	1486	15000	26-Aug-85	01-Jul-12	1,493	20,394,012	0
4	Poso Creek	Premier	03047816	Keating USL	WD1	A	2465	2887			Hathaway LLC	56609039	WD			A	24-Feb-12	Santa Margarita				01-Mar-14	693	1,380,721	0
4	Poso Creek	Premier	03050777	Section 21	WD5	A	2756	3299			E & B Natural Resources Management Corporation	56609015	WD			A		ETCHEGOIN/SANTA MARGARITA	1486	1390	10-Oct-72				
4	Poso Creek	Premier	03054678	Section 5	WD 1R	A	3005	3299			E & B Natural Resources Management Corporation	56609034	WD			A		CHANAC/SANTA MARGARITA	4000	1440	2-Feb-98				
4	Rosedale Ranch	Northeast	02985041	Lerdo	2	A	3766	4136			Tower Exploration, LLC	62606009	WD	4-Jan-13	3-Feb-10	A		CHANAC	7000	19000	31-May-93	01-Jan-07	6,301	1,032,475	0
4	Round Mountain	Coffee Canyon	02942612	Pearce	7-1	A	1567	1872			Macpherson Oil Company	62806003	WD	1-Mar-11	10-Dec-05	A		PYRAMID HILL/VEDDER	1265	1440	29-Jul-76	01-Sep-04	12,037	78,004,567	22
4	Round Mountain	Coffee Canyon	02976603	Caldwell	13	A	2070	2140			Arthur McAdams	62806009	WD	6-Oct-09	13-Oct-09	A		PYRAMID HILL/VEDDER	1980	1000	16-May-75	01-Jun-04	4,595	5,921,824	0
4	Round Mountain	Coffee Canyon	03049700	West Signal	WD-8R	A	1891	3185			Macpherson Oil Company	62806005	WD			A		WALKER	1265	1600	19-Feb-82	01-Aug-11	390	1,529,666	0
4	Round Mountain	Main	02918136	Newbery-Gibson	8	A	2450	2596			Pace Diversified Corporation	62809012	WD	5-Nov-07	7-Dec-02	A		VEDDER/WALKER	2000	3800	5-May-87	01-Dec-95	5,467	1,025,969	0
4	Round Mountain	Main	02946951		WD-1	A	2256	2718			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jan-06	10,241	170,158,386	53
4	Round Mountain	Main	02947362		WD-2	A	2349	2650			Macpherson Oil Company	62809014	WD	2-Nov-10		A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jun-01	8,370	88,669,346	54
4	Round Mountain	Main	02947441	Olcese	WD-342	A	2170	2638			Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Jul-02	13,356	179,167,808	55
4	Round Mountain	Main	02947543	Jewett	WD-227	A	2018	2569			Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Nov-01	13,402	49,362,391	56
4	Round Mountain	Main	02969119		WD 1	A	2095	2669			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Aug-04	9,731	142,827,922	57
4	Round Mountain	Main	02969120		WD 2	A	2503	2847			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-04	6,688	68,447,130	58
4	Round Mountain	Main	03009336		WD-4	A	2144	2584			Macpherson Oil Company	62809014	WD	8-Oct-08		A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jun-07	3,307	34,357,049	32
4	Round Mountain	Main	03018762		1220	A	2520	2710			Macpherson Oil Company	62809022	GD			A		WALKER	3960	6770	14-Sep-06		2,163	794,713	183,339
4	Round Mountain	Main	03022157		WD-6	A	2359	2755			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-May-14	4,004	176,065,195	71
4	Round Mountain	Main	03031655	KCL	WD-1	A	2428	2870			Macpherson Oil Company	62809014	WD	4-Oct-10	25-Oct-10	A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-15	2,615	61,636,185	76
4	Round Mountain	Main	03031656	Thomas	WD-1	A	2351	2863			Macpherson Oil Company	62809014	WD	10-Mar-05	23-Mar-11	A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-11	2,615	71,366,624	77
4	Round Mountain	Main	03033731		WD-7	A	2554	3450			Macpherson Oil Company	62809014	WD	2-Jul-09	6-Jul-09	A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-12	2,200	35,233,563	78
4	Round Mountain	Main	03035699	KCL	WD-2	A	2480	2976			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-11	2,128	39,277,138	79
4	Round Mountain	Main	03037954		WD-3	A	1953	3310			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72		1,784	13,193,458	88
4	Round Mountain	Main	03040869	Thomas	WD-2	A	2208	3526			Macpherson Oil Company	62809014	WD	1-Mar-11	9-Mar-11	A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Sep-12	1,459	46,417,662	90
4	Round Mountain	Main	03041397		WD-8	A	2196	3236			Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-May-15	1,285	19,129,709	65

4	Round Mountain	Main	03042188		WD-9	A	2388	3545		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Feb-14	1,050	712,469	68
4	Round Mountain	Main	03043514	Thomas	TOW-2	A	2466	2796		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-14	485	13,367,249	0
4	Round Mountain	Main	03043896		WD-10	A	2067	3300		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Apr-14	955	6,081,072	0
4	Round Mountain	Main	03044556	KCL	WD-3	A	2400	3477		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Mar-14	942	1,680,737	0
4	Round Mountain	Main	03046642	USL 18	WD-12	A	2368	3497		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Nov-13	584	562,256	0
4	Round Mountain	Main	03046643	USL 18	WD-13	A	2390	3497		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Oct-13	705	9,017,259	0
4	Round Mountain	Main	03046653	KCL	WD-4	A	2469	3496		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Jul-13	638	2,367,240	0
4	Round Mountain	Main	03050073	Jewett 3	678	A	2515	2595		Macpherson Oil Company	62809022	GD			A		WALKER	3960	6770	14-Sep-06	01-Oct-13	7	700	0
4	Round Mountain	Main	03051196		WD-16	A	2408	3047		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Feb-14	127	199,272	0
4	Round Mountain	Main	03051197		WD-17	A	2416	3097		Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72	01-Oct-13	115	64,233	0
4	Round Mountain	Main	03051959	Olcese 1	WD-343R	A	2644	4895		Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Nov-13	184	1,654,239	0
4	Round Mountain	Main	03051960	Olcese 1	WD-344	A	2173	2936		Macpherson Oil Company	62809015	WD			A		OLCESE/FREEMAN-JEWETT/VED/WALK	2835	1890	30-Nov-72	01-Mar-14	194	4,232,132	0
4	Round Mountain	Main	03054306		WD 4H	N				Macpherson Oil Company	62809014	WD			A		VEDDER/WALKER	1967	2310	17-Jul-72				
4	Round Mountain	Sharktooth	02918114	Bishop	6	A	840	1130		Macpherson Oil Company	62815026	WD	4-Nov-09	7-Jan-10	A	21-Nov-97	OLCESE	2693	1840	4-Jun-80	01-Mar-80	6,683	32,464,328	36
4	Round Mountain	Sharktooth	02918119	Malta	3	I	740	830		Macpherson Oil Company	62815026	WD	4-Oct-93		A	21-Nov-97	OLCESE	2693	1840	4-Jun-80	01-Nov-02	3,382	13,116,125	7
4	Tejon	Western	02969623		330-32	A	3000	4180		Vintage Production California LLC	75212013	WD	7-Nov-03	14-Dec-10	A	22-Mar-04	TRANSITION/SANTA MARGARITA	2500	2400	27-Mar-58	01-Mar-04	5,892	7,424,773	0
4	Tejon	Western	03026630		WWD3-32	A	3075	4806		Vintage Production California LLC	75212008	WD	5-Aug-05	12-Aug-05	A		TRANSITION	2255	2700	28-Dec-70	01-Jun-14	3,171	27,362,035	0
4	Tejon	Western	03053049	J.V.	WWD7-32	A	3358	5061		Vintage Production California LLC	75212008	WD			A		TRANSITION	2255	2700	28-Dec-70		47	213,098	0
4	Tejon	Western	03053050	J.V.	WWD8-32	N				Vintage Production California LLC	75212008	WD			A		TRANSITION	2255	2700	28-Dec-70				
4	Union Avenue	Any Area	02920701	Roberts	1	A	3738	3835		Trio Petroleum LLC	79800002	WD			A		CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87		2,795	1,963,487	0
4	Union Avenue	Any Area	02942258	Pon	1	A	4330	5090		Trio Petroleum LLC	79800002	WD			A		CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87	01-Aug-02	4,252	1,614,960	0
4	Union Avenue	Any Area	03007190	Unit	1	A	4410	5110	4543	Trio Petroleum LLC	79800002	WD			A		CHANAC/SANTA MARGARITA	1845	3400	10-Jun-87		3,495	410,869	0
4	Yowlumne	Any Area	02953422	Yowlumne Unit B	88-4	A	4620	5150		Vintage Production California LLC	85800003	WD			T	6-May-03	ETCHEGOIN			24-Oct-02	01-Feb-15	1,550	2,602,380	0
5	Any Field	Any Area	01923198	Noble	WD1-5	I	2194		3000	Leon J. Sabean	00000009	WD	5-Oct-01		S		PLEISTOCENE-PLIOCENE			12-Jan-90	01-Apr-04	2,432	2,916,910	0
5	Any Field	Any Area	01923429	SA & FL	25X-29	I	3325		5700	Longview Energy Company	58400013	WD	14-Aug-02		S		PLIOCENE		47000	2-Nov-92		861	361,412	0
5	Burrel	Any Area	01920991	Debbie Disposal	1	A	3059	3059	2533 2145	Cases' Used Equipment	08400003	WD	19-Jun-12		A		PLIOCENE			25-Mar-77	01-Aug-02	8,140	2,081,001	0
5	Burrel	Any Area	01921556	CEC-Postal Union	42-35	A	4723		6770	C. Case Co.	08400005	WD			A		MIOCENE/PLIOCENE		42000	8-Sep-09		1,149	3,441,941	0
5	Coalinga, East, Extension	Coalinga Nose	01904601		7	A			7930	West American Energy, Corp.	15203006	WD			C		ETCHEGOIN				01-Aug-77	0	0	
5	Helm	Main	01904893	California Lands, Inc.	87-15	A	5012		7550	Longview Energy Company	30003019	WD			A		PLEISTOCENE-PLIOCENE-SANTA MARGARITA		43000	28-Oct-82	01-Nov-03	4,585	3,532,624	0
5	Helm	Main	01904950	Wheatville Rancho Co.	F1-8	A	5157		6898	Longview Energy Company	30003008	WD	2-Jul-05		A		PLEISTOCENE-PLIOCENE		37700	29-Nov-57	01-Sep-05	8,841	7,773,005	0
5	Helm	Main	01904995	Hawn	D-2	I	2043		7200	Longview Energy Company	30003015	WD	19-Jun-03		S		PLIOCENE		42800	17-Aug-66	01-Jul-03	2,270	858,753	0
5	Helm	Main	01905038	Noble	868X-5	I	2160		6900	Crimson Resource Management Corp.	30003003	WD	26-Jan-85		A		PLIOCENE		49000	28-Oct-52	01-Nov-01	1,966	3,393,478	0
5	Helm	Main	01905059	Noble	35-9	A	1865	1880	1865 8135	Crimson Resource Management Corp.	30003003	WD			A		PLIOCENE		49000	28-Oct-52		11,138	3,068,162	0
5	Helm	Main	01905067	Capital	46X-15	A	5306		6659	Longview Energy Company	30003019	WD			A		PLEISTOCENE-PLIOCENE-SANTA MARGARITA		43000	28-Oct-82	01-Oct-12	1,896	684,177	0

5	Helm	Main	01905119	Cooper	3-6	I	1806			6956	Crimson Resource Management Corp.	30003014	WD	31-May-02	S		PLIOCENE		41000	18-Jun-68	01-Dec-98	5,689	440,698	0	
5	Helm	Main	01920303	Summit Lake	D-1-19	A	2241			7237	Longview Energy Company	30003017	WD	24-Oct-07	S		PLIOCENE-MIOCENE	0.75		4-May-71	01-Sep-03	6,746	2,367,443	0	
5	Helm	Main	01921923	Wheatville Rancho Co.	11X-8	A	5615			8323	Longview Energy Company	30003008	WD		A		PLEISTOCENE-PLIOCENE		37700	29-Nov-57		1,796	1,142,150	0	
5	Jacalitos	Any Area	01924426		9-3H	I				5040	Holmes Western Oil Corporation	32600003	WD		A		TEMBLOR	8740	8700	15-Aug-72					
5	Jacalitos	Any Area	01924549	SWD	1	A	1065			1795	Holmes Western Oil Corporation	32600004	WD		A		ETCHEGOIN		11000	21-Sep-78	01-Apr-11	2,216	1,153,656	0	
5	Kettleman North Dome	Any Area	01905812		2	I	888			8557	Vintage Production California LLC	34800002	WD	8-Mar-11	A		SAN JOAQUIN-ETCHEGOIN			20-Apr-61	01-Jun-11	487	691,342	0	
5	Kettleman North Dome	Any Area	01905816		21	I	1410			7981	Vintage Production California LLC	34800002	WD	8-Mar-11	A		SAN JOAQUIN-ETCHEGOIN			20-Apr-61	01-Feb-02	8,661	8,439,840	0	
5	Kettleman North Dome	Any Area	01925366		88WD	N	2090	2372	2090		Vintage Production California LLC	34800002	WD		A		SAN JOAQUIN-ETCHEGOIN			20-Apr-61	01-Jun-14	303	339,731	0	
5	Kettleman North Dome	Any Area	03100538		68	I				8942	Vintage Production California LLC	34800002	WD	31-Jan-90	A		SAN JOAQUIN-ETCHEGOIN			20-Apr-61	01-May-02	30	24,800	0	
5	Kettleman North Dome	Any Area	03100552		82	I	1120			8870	Vintage Production California LLC	34800006	WD	8-Mar-11	S		ETCHEGOIN			22-Apr-84	01-Jul-04	4,997	3,064,180	0	
5	Kettleman North Dome	Any Area	03100563		61	I	955			8140	Chevron U.S.A. Inc.	34800002	WD	8-Mar-11	A		SAN JOAQUIN-ETCHEGOIN			20-Apr-61	01-Feb-02	8,647	6,543,127	0	
5	Pleasant Valley	Any Area	01905378	Gatchell	77-20	I				8937	West American Energy, Corp.	55800001	WD		A		GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHGOIN			5-Jun-01					
5	Pleasant Valley	Any Area	01905379	Gatchell	86-20	A	2990			9012	West American Energy, Corp.	55800001	WD		A		GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHGOIN			5-Jun-01		3,307	1,551,345	0	
5	Pleasant Valley	Any Area	01905380	Gatchell	88-20	I					West American Energy, Corp.	55800001	WD		A		GATCHELL, TEMBLOR, SANTA MARGARITA & ETCHGOIN			5-Jun-01					
5	Raisin City	Any Area	01905392	A	4	A	2547			5248	Longview Energy Company	58400010	WD		A		PLIOCENE		48500	4-May-71	01-Jan-03	12,511	15,929,816	0	
5	Raisin City	Any Area	01905417	Taylor	D-3	A	2027			5244	Longview Energy Company	58400008	WD		A		PLIOCENE		42000	7-Dec-56	01-Mar-01	11,556	31,852,128	0	
5	Raisin City	Any Area	01905418	Taylor	D-1	A	2133			3400	Longview Energy Company	58400008	WD	3-Aug-10	A		PLIOCENE		42000	7-Dec-56	01-Sep-78	5,564	9,350,891	0	
5	Raisin City	Any Area	01905462	Hamilton	43-13	I	3930			5111	Longview Energy Company	58400006	WD	18-Apr-99	S		PLIOCENE		41000	28-Dec-56	01-Oct-06	1,389	1,939,797	0	
5	Raisin City	Any Area	01905566	Ripperdan	86-13	A	3908			5320	Longview Energy Company	58400001	WD		A		PLIOCENE		34000	31-Jan-46	01-Oct-01	12,667	43,280,894	0	
5	Raisin City	Any Area	01905570	Ripperdan	88A-13	A	1990			5150	Longview Energy Company	58400001	WD		A		PLIOCENE		34000	31-Jan-46	01-Jan-03	9,528	19,283,696	0	
5	Raisin City	Any Area	01905576	Surfluh	31-14	A	4639			6409	Longview Energy Company	58400001	WD	3-Aug-10	A		PLIOCENE		34000	31-Jan-46	01-Jan-11	1,183	352,029	0	
5	Raisin City	Any Area	01905581	Surfluh	42-14	I	2418			5242	Longview Energy Company	58400001	WD	13-May-98	A		PLIOCENE		34000	31-Jan-46	01-Apr-01	5,887	10,972,265	0	
5	Raisin City	Any Area	01921372	Pacland Three	57X-4	A	1925			6406	C. Case Co.	58400012	WD		A		PLIOCENE		36000	8-Mar-83	01-Apr-91	10,190	15,095,115	0	
5	Raisin City	Any Area	01922057	Yates	83X-5	A	2410			5200	C. Case Co.	58400012	WD		A		PLIOCENE		36000	8-Mar-83		3,210	2,751,870	0	
5	Riverdale	Any Area	01905649	Young	4-15	A	5060			8500	Longview Energy Company	61400001	WD		A		PLIOCENE, ST. MARGARITA, ZILCH		38000	7-Apr-52	01-Nov-05	8,342	3,546,473	0	
5	Vallecitos	Central	06900159	F & I	48-31	A	3010			4093	Patriot Resources, LLC	80609001	WD		A		DOMENGINE		3800	3800	7-Jun-61		4,848	2,395,748	0
5	Vallecitos	Central	06900160	F & I	58-31	A				4277	Patriot Resources, LLC	80609001	WD		A		DOMENGINE		3800	3800	7-Jun-61				
5	Van Ness Slough	Any Area	01923119	Cerini	6	A	2542			7000	Crimson Resource Management Corp.	80900001	WD		A		PLEISTOCENE-PLIOCENE		41000	7-Sep-90	01-Jul-08	6,399	4,919,214	0	

Department of Conservation

Division of Oil, Gas, and Geothermal Resources

Underground Injection Control Program

Work Plan

(DRAFT)

August 18, 2014



Division of Oil, Gas, and Geothermal Resources

Underground Injection Control Program

Work Plan

August 18, 2014

Executive Summary

Oil and gas production in California is a \$34 billion annual industry, employing more than 25,000 people with an annual payroll of over \$1.5 billion. California is the fourth largest oil-producing State in the nation, producing about 625,000 barrels per day. Property and other tax payments to the State and local governments from the industry amount to about \$800 million annually. There are approximately 90,000 active or idle production and injection wells in the state.

Injection wells have been an integral part of California's oil and gas operations for over 50 years. Currently, over 50,000 oilfield injection wells are operating in the state. Injection wells are used to increase oil recovery and to safely dispose of waste fluid produced with oil and natural gas. About 72 percent of California's oil production is the result of Enhanced Oil Recovery (EOR) methods such as steam flood, cyclic steam, water flood, and natural gas injection.

Most of the oil and gas fields in the state are old and require EOR development. Each year more responsibility rests with the Division of Oil, Gas, and Geothermal Resources (Division) Underground Injection Control (UIC) Program to deal with the enhanced oil recovery of the resource. This includes new methods and techniques developed by the industry to produce the oil and gas. The increased use of injection also presents new public health and safety risks, especially in fields with older wells. These risks include groundwater contamination, reservoir fluids leaking to the surface, and fires and blowouts caused by the migration of oil and gas. Urban encroachment, on or around older oil and gas wells, raises additional issues and concerns.

The US EPA audit, conducted by Horsley Witten, was completed and sent to the Division in September 2011. In December 2012, the Division responded to the US EPA and stated that the Division would develop UIC regulations to address the concerns and short comings identified in the audit. The following issues were specifically outlined in the audit:

- Additional plugging and cementing requirements to protect Underground Sources of Drinking Water (USDW)
- More in-depth evaluation of the zone of endangering influence (ZEI)
- Requirements for waste fluid disposal
- Changes to requirements for pressure gauges and/or monitoring of zone pressure
- Well construction and cementing
- Annual project reviews

- Standard Annual Pressure Test (SAPT) requirements
- Well monitoring requirements instead of the SAPT
- Mechanical integrity surveys and testing
- Inspections and compliance/enforcement practices and tools
- Idle well planning and testing program
- Financial responsibility requirements
- UIC staff qualifications
- Cyclic steam injection well testing requirements

In addition to the US EPA audit, the legislature has been very involved with several UIC issues and has made it clear that there are other areas that need to be addressed in regulation. These areas include:

- H₂S/Waste Gas Disposal
- Freshwater usage relating to EOR projects
- CO₂ EOR Projects
- CO₂ Sequestration

Additional areas of concern that have been brought to the Division's attention that need to be addressed in regulations, and associated to our UIC program include:

- Shallow Thermal Diatomite
- Surface expressions
- The Aquifer Exemption Process
- Well construction standards
- Injection relating to formation fracturing pressure

Division Next Steps:

The Division has already started its UIC program evaluation and will continue the following:

- Identify gaps in UIC Program compliance and develop a corrective action plan
- Hire qualified and highly educated personnel to fill retirement vacancies
- Provide technical and regulatory training for UIC staff
- Increased management oversight of UIC staff
- Heightened accountability for technical work
- Work with US EPA on identifying UIC Program gaps
- Continue outreach to the oil and gas industry to raise awareness of concerns
- Public outreach on the state and federal mandates
- Electronic data maintenance

California is moving forward to meet the changing needs in regards to technology and demographics associated to oil and gas production. The Division is working towards establishing a program to oversee the injection and monitoring of new technology not

covered by existing regulations. This work plan is designed to strengthen the current UIC Program. Since the Division already has authority over all methods of increasing the recovery of oil and gas under State mandates, it makes sense to extend that regulatory authority to cover all new technologies for EOR, including, cyclic steaming, shallow thermal injection diatomite, hydraulic fracturing, acid matrix operations, waste gas disposal, and CO₂ injection wells.

Work Plan Components

- I. Assessment**
- II. Plan Development**
- III. Plan Implementation**
- IV. Compliance Monitoring**
- V. Public Outreach**
- VI. Legislation/Rulemaking**

I. Assessment

The Division has developed and begun an assessment of the Division-wide UIC Program. In the development of the assessment, the Division has considered the following concerns to help develop a priority list:

- Risk to the public
- Risk to health and safety
- Risk to property
- Risk to natural resources
- Risk of litigation

The highest priority issues are being addressed first. Based upon known current conditions, the injection projects located in the Cypress District (Division – District 1) appeared to have the highest priority. The district has 160 injection projects, which includes nearly 2,000 injection wells. A draft report has been completed for the Cypress district. The evaluation of the Bakersfield district is beginning this month.

The assessment is designed to determine the possible shortcomings in the Division's UIC program. The UIC program standards that should be used are listed in both California's Primacy application and the federal regulations associated with the Safe Drinking Water Act and Class II injection wells. The assessment will:

- Evaluate a representative sampling of old projects that are in fields that were discovered in the 1930's and 1940's to determine if appropriate AORs were completed and to determine if possible conduits for the injection fluid are present
- Evaluate a representative sampling of recent projects to determine if appropriate AORs were completed and to determine if possible conduits for injection fluid are present
- Evaluate a representative sampling of the records for annual project reviews to determine if they were performed and documented adequately to determine if the project is in compliance with the project approval
- Evaluate a representative sampling of the Division's UIC monitoring program to determine if adequate Mechanical Integrity Testing (MIT) surveys are conducted, evaluated, and documented to ensure mechanical integrity of the injection wells
- Evaluate a representative sampling of the Division's UIC monitoring program to determine if the Maximum Allowable Surface Pressures (MASP) are determined correctly and monitored to ensure compliance with the project approval
- Evaluate if the Division's UIC staff are appropriately educated and trained and have the necessary tools to enforce the Safe Drinking Water Act in regards to Class II wells
- Evaluate if the Division has enough staff and resources to adequately enforce the Safe Drinking Water Act in regards to Class II wells

To accomplish the assessment of the Division's UIC program, the Division has created a Monitoring and Compliance Unit to perform a Peer review of the program. The Division has experience with this model and has used this for a permitting review, and is currently using it to evaluate district UIC operations. The Peer Review Team is assessing the following to ensure compliance:

- Injection project applications
- Project files
- Monitoring data
- Surveys
- Injections reports

In addition, it is also necessary that site visits take place to evaluate the current program, staff, and business processes to ensure compliance with the Primacy application.

A draft report that lists the results of the assessment in our Cypress district office, including both the shortcomings and adequacies of the Division's UIC program, has been prepared. In addition, the final report will include recommendations for improving the Division's UIC program, listing what steps should be taken to bring the program into compliance with the expectations of the US EPA and the Safe Drinking Water Act.

Plan Development

Once the assessment of the Division-wide UIC Program is completed, a plan will be developed to address the issues identified. This plan will address the following:

- **Issues Identified**

It is anticipated that the issues previously listed, which include deficiencies in: conducting Area of Review evaluations; annual project reviews; step-rate testing, injection above fracture pressure will be identified. It is also anticipated that additional issues may be identified which may include: lack of adequate training for UIC staff; lack of accountability of staff; and inadequate hiring practices to ensure qualified staff.

- **Action plan – including timelines to remediate issues**

An action plan will be developed to address all issues identified in the assessment. This plan will be a “road map” for management and staff to move forward to address specific issues to ensure the Division fulfills its mandates. This may include: a realignment of staff, additional support from Department staff, modification of current policies, development of new policies, training needs, modifications to position job classifications, new hiring standards, and reporting and documentation standards.

- **Identify available resources to remediate the issues**

The additional positions have been provided to the Division and has provided much of the anticipated resources to initiate an action plan. However, depending on the assessment and the goals of the action plan, additional resources above and beyond the past Budget Change Proposals (BCP) staff allotment may be required. Needed resources will be calculated and verified. If additional resources are required, a BCP will be initiated to address the identified needs.

- **Plan management and oversight**

Part of the work plan will include a peer review team that will also have a role in monitoring the work performed within the UIC unit. A reporting structure, documentation guidelines, and oversight guidelines will be created to ensure the program is in compliance with laws and regulations.

- **Action Plan Monitoring and/or adjustments to meet plan goals**

The action plan will have specific milestones and due dates to meet the identified objectives. This timeline will include strategic points in the plan to re-evaluate the progress and goals of the plan. The plan will be dynamic to address issues that will arise, not identified in the plan. Corrections and modifications to the plan are anticipated.

- **Training**

Ongoing assessments of the Division's program have identified the need for specific training of the UIC staff. The work plan's assessment will include much

more valuable information regarding the training needs of the UIC staff. It is anticipated that a new training plan to revamp the Division's current training model will be developed. The Division has already taken steps to re-create an engineering training consultant position to address the training needs of the engineering staff.

- **Follow-up**

As mentioned above under action plan monitoring, the plan implementation will include a model for following the progress of the action plan. This will include not only specific documentation, quarterly and monthly reporting, but also the day to day oversight of the UIC program. Progress will be tracked and the quality of work will be evaluated. This oversight will continue after the full plan has been implemented.

Plan Implementation

Again, once the assessment is completed for all the district offices, a plan will be developed to address the Division's UIC shortcomings. Once the plan has been approved by management, the plan will be implemented and monitored until completion. Regular reporting will be generated to document action taken. The specifics regarding the implementation of the action plan cannot be determined until the assessment has been completed and the action plan has been developed.

Compliance - Monitoring

The work plan includes utilizing the Monitor and Compliance Unit. This unit is separate from the UIC Program in order to provide objective analysis of the adequacies of the UIC Program. This unit is comprised of one Senior Oil and Gas Engineer to oversee the unit, three Associate Oil and Gas Engineers, and one Associate Government Program Analyst to be part of a Peer Review Team to continue to provide the necessary resources to assist with the assessment, plan development, plan implementation, and the follow-up monitoring to ensure Division statutes, regulations, and policies are followed. This unit is providing feedback to the Technical Services Manager, UIC Program Manager, and the Chief Deputy to ensure accountability. This unit is focusing its attention on the assessment phase of the work plan.

This Unit is designed to have flexibility and mobility to ensure that the UIC Program requirements are met by:

- Completing the Assessment Phase for the Work Plan
- Overseeing Annual Injection Project Reviews
- Updating Manual of Instruction (MOI)
- Interfacing with Training Coordinator to provide technical training support for UIC
- Performing oversight of casing diagrams on Area of Review (AOR)

- Verifying no migration through MIT testing
- Reviewing Step-Rate Tests to determine Maximum Allowable Surface Pressure (MASP)
- Providing cross-training from District-to-District to improve staff awareness of issues outside their locale

Public Outreach

There are potential issues associated with bringing the Division's UIC regulatory into compliance. One such issue is the need to provide public outreach to all the affected stakeholders. This includes the oil and gas industry, state and local governmental agencies, and the general public. Depending on the issues identified in the assessment phase, a public outreach program will be developed and implemented.

Legislation/Rulemaking

The Division has already begun drafting regulations to address those issues identified in the Horsley Witten audit, as well as those issues identified by the Legislature and the Division. These regulations may be quite extensive and will take some time to fully develop. In addition, many of the areas covered by these regulations will be controversial and require considerable discussion with all stakeholders. We anticipate that these draft regulations will be modified several times. Because of this issue, the Division is planning on conducting workshops to develop a priority list in order to submit the regulations to the Office of Administrative Law (OAL) in phases. This will allow the Division to have separate rulemaking packages in order to allow less controversial changes to move forward quickly, and the more controversial issues to have adequate time to work out the controversial details.

The Division anticipates scheduling workshops to discuss UIC priorities as soon as October. Active participation in these workshops should include, and not be limited to the following: US EPA, State Water Board, Regional Water Quality Control Boards, Department of Toxic Substance Control, Air Resources Control Board, Western States Petroleum Association, California Petroleum Association, Independent Oil Producers' Agency, County and City agencies, Non-Government Organizations, and the general public.

The discussion of priorities will be designed to take into consideration multiple phases, beginning with those areas identified by the Horsley Witten audit, followed by those areas of concern identified by the Legislature, the Division, the regulated community, and the public. Once the priority lists are generated, the Division will move forward with publishing discussion documents and conducting limited workshops. After the discussion draft workshops are complete for each section, the Division will submit draft regulations to OAL and begin the rulemaking process. The Division anticipates having a new section of the proposed regulations out every few months, and thereby having several rulemaking packages in the process simultaneously.