

# Attachment E

## Primacy Productive Limits and Aquifer Exemptions

DRAFT

Aquifer Exemptions Summary				
Field	Fomration	Avg Depth (ft)	Avg Elevation (ft)	Avg Thickness (ft)
Fruitvale Oil Field	Santa Margarita Formation	4500		780 to 1030
Round Mountain Oil Field	Jewett Sand	2000		200 to 500
Round Mountain Oil Field	Pyramid Hill Sand	1900	-2000	125 to 150
Round Mountain Oil Field	Vedder Formation	2000	-3500 to -2000	75 to 900
Kern Front Oil Field	Vedder Formation	2290	-6600 to -3900	200 to 600
Jasmin Oil Field	Cantleberry Sand	2750		30 to 80
Jasmin Oil Field	Cantleberry Sand	2650 to 3050		50
Fruitvale Oil Field	Santa Margarita Formation	4500	-4250 to -3000	780 to 1030
Cymric		1200	-1200 to 800	400 to 2000
Edison	Chanac	375 to 725		20 to 200
Edison	Wicker	1500		20 to 130
Edison	Santa Margarita Transition	400		50 to 1200
Elk Hills Phase 1	Tulare	500 to 3200	1000	1100 to 3000
Elk Hills Phase 2	Tulare	1000		1100 to 2500
Lost Hills	Tulare	200		100 to 450
North Belridge	Tulare	1800 to 2600		90 to 130
Poso Creek	Basal Etchegoin , Chanac	950		40 to 150
McKitrick	Tulare	500		50 to 500
Mount Poso	Vedder Pyramid Hill Sands	N/A	N/A	N/A
Rosedale-Ranch	Chanac	N/A	N/A	N/A
Edison NE	Chanac	N/A	N/A	N/A
Midway-Sunset	Tulare	N/A	N/A	100 to 1800
Midway-Sunset	Miocene Shale	400 to 5000	-3500 to 1500	250 to 1000
Midway-Sunset	Potter	73 to 1795		1 to 1200
Midway-Sunset	Spellacy	392 to 1268		N/A
Midway-Sunset	Lower Antelope Sand	460 to 2394	-850 to 545	N/A
South Belridge	Tulare	N/A	N/A	N/A
Chico Martinez	Lower Tulare	N/A	N/A	N/A
Blackwell Corner		N/A	N/A	N/A
Mountain View	Kern River, Chanac	N/A	N/A	N/A
Kern Front Oil Field	Chanac	1400 to 2000	-882 to -696	0 to 70

**Source:**

United States Environmental Protection Agency, Aquifer Exemption Data, <https://www.epa.gov/uic/aquifer-exemption-data>.

**Notes:**

Red indicates no boundary yet available. Missing data to be updated as data becomes available.

The average depth, elevation, and thicknesses are oversimplified and may not represent actual depths throughout each field and does not account for currently approved aquifer exemptions.

Additional aquifer exemption applications are in process. This list may not be current. Refer to EPA website for any recent changes.

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Ant Hill	Jewett	Jewett	3500	30
Ant Hill	Olcese	Olcese	2300	70-170
Antelope Hills	Etchegoin	Etchegoin	845-1400	10-80
Antelope Hills	Kreyenhagen	Point of Rocks	1900	20
Antelope Hills	Monterey	1A Gas Zone	2100	80
Antelope Hills	Temblor	Agua	2400-3400	15
Antelope Hills	Temblor	Button Bed	2000-2500	30-100
Antelope Hills	Temblor	Phacoides	1000	40
Antelope Hills	Tulare	Upper	600-1300	20
Antelope Hills, North Oil Fields	Kreyenhagen	Eovene	2340	15
Antelope Hills, North Oil Fields	Monterey	Miocene	2360	5
Antelope Hills, North Oil Fields	Temblor	Miocene	2380	100
Antelope Hills, North Oil Fields	Temblor	Miocene	1545	30
Antelope Hills, North Oil Fields	Temblor	Oligocene	2100	15
Antelope Hills, North Oil Fields	Temblor	oligocene	3200	35
Antelope Plains Gas (ABD)	Kreyenhagen	8th Eocene Sand	3050	15
Asphalto	Etchegoin	Etchegoin	4825	20
Asphalto	Monterey	Antelope Shale	5660	165
Asphalto	Monterey	Stevens	7550	200
Asphalto	Reef Ridge	Olig	8510	200
Asphalto	Temblor	Carneros	3785 - 4023	238- 277
Belgian Anticline	Kreyenhagen	Point of Rocks	4600	15
Belgian Anticline	Kreyenhagen	Point of Rocks	5300	0-150
Belgian Anticline	Monterey-Temblor	Gould (G) - Santos(S)	6070	340
Belgian Anticline	Temblor	Agua	4300	10
Belgian Anticline	Temblor	Carneros	5300	0-150
Belgian Anticline	Temblor	Phacoides	4600	12
Belgian Anticline	Temblor	Phacoides	1400	55
Belgian Anticline	Temblor-Tumey	Phacoides - Oceanic	2050	175
Belgian Anticline	Tumey	Oceanic	3400	270
Belgian Anticline	Tumey	Oceanic	6400-6700	100
Bellevue			7400	25
Bellevue	Fruitvale	Stevens	N/A	N/A
Bellevue	Fruitvale	Stevens	7740	20
Bellevue, West	Fruitvale	Lower Stevens	7830	5
Bellevue, West	Fruitvale	U Stevens-82	8750-9100	35
Bellevue, West	Fruitvale	U Stevens-Clark	600	100
Belridge, North	Etchegoin-Reef Ridge	Diatomite	2200	1320
Belridge, North	Monterey-Temblor	Temblor Sand	3500	400
Belridge, North	Reef Ridge-Monterey	Fractured Shale	5000	500
Belridge, North	Temblor	Bloemer, Belridge64, and Gibson	6700	80
Belridge, North	Temblor	Carneros	7100	150
Belridge, North	Temblor	R Sand (Agua)	7700	400

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Belridge, North	Tulare-Etchegoin	Tulare-Etchegoin	8550	75
Belridge, North	Tumey	Y Sand	400	400
Belridge, South	Etchegoin	Etchegoin	1500	50
Belridge, South	Etchegoin-Reef Ridge-Upper Monterey	Diatomite	1000	500
Belridge, South	Monterey	Antelope Shale	4000	1000
Belridge, South	Monterey	Devilwater-Gould	6700	346
Belridge, South	Monterey	Mcdonald	8200	300
Belridge, South	Tulare	Tulare	700	25
Blackwells Corner	Monterey	Devilwater	1300	85
Blackwells Corner	Temblor	Agua	1400	5
Blackwells Corner	Temblor	Grit	3140	4
Bowerbank	Etchegoin	Sub Mulinia (Gas)	4000	4
Bowerbank	Monterey	Stevens (Oil)	4200	20
Bowerbank	San Joaquin	2nd MYA (Gas)	4300	10
Bowerbank	San Joaquin	4-23 (Gas)	4600	22
Bowerbank	San Joaquin	Espee (Gas)	4700	5
Bowerbank	San Joaquin	Root (Gas)	10620	165
Bowerbank	San Joaquin	Sub Scalez (Gas)	1800	N/A
Buena Vista	Etchegoin	27-B (E Sands)	2300	30
Buena Vista	Etchegoin	99-9D	2400	20
Buena Vista	Etchegoin	Calitroleum	2500	65
Buena Vista	Etchegoin	Gusher	2600	50
Buena Vista	Etchegoin	Mulinia	2900	120
Buena Vista	Etchegoin	Sub-Mulinia	3100	30
Buena Vista	Etchegoin	Willhelm	3500	50
Buena Vista	Etchegoin and Monterey	Calidon (Gas)	3800	100
Buena Vista	Monterey	555 Stevens	3800	50
Buena Vista	Monterey	Antelope Shale	4200	900
Buena Vista	Reef Ridge	Reef Ridge	5300	300
Buena Vista	San Joaquin	Above Scalez (AS)	4200	15
Buena Vista	San Joaquin	MYA (Gas)	4000	20
Buena Vista	San Joaquin	Sub Scalez One (SSI)	4050	15
Buena Vista	San Joaquin	Sub Scalez Two (SSI)	4300	10
Buena Vista	San Joaquin	Top Oil (Sub-Scalez)	2300-3200	15
Buttonwillow Gas	San Joaquin	San Joaquin Gas Zones	8700	25
Calders Corner	Fruitvale	Upper Stevens	8000	100
Canal	Fruitvale	Lower Stevens	3100-5900	N/A
Canal	Fruitvale	Middle Stevens	8500	20
Canal	Fruitvale	Upper Stevens	9400	80
Canal	San Joaquin and Etchegoin	Pliocene (Gas)	7900-9800	100
Canfield Ranch	Fruitvale	Stevens	8100	15
Canfield Ranch	Fruitvale	Stevens	7950-10150	100
Canfield Ranch	Fruitvale	Stevens	8100	50

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Canfield Ranch	Fruitvale	Stevens/Initial Production - dual completion from multiple sands	7900	150
Canfield Ranch	Fruitvale	Stevens/Several Pools	900	35
Chico-Martinez	Etchegoin	Etchegoin	3780	70
Chico-Martinez	Monterey	Fractured Shale	5300	35
Coles Levee North	Etchegoin	Gas Zone	800-9650	45-230
Coles Levee North	Kreyenhagen	Point of Rocks	17500	350
Coles Levee North	Monterey	Stevens	4200	200
Coles Levee South	Etchegoin	Etchegoin Gas	5120	35
Coles Levee South	Monterey	Lower Stevens	9600-9900	50-300
Coles Levee South	Monterey	Nozu	10530	60
Coles Levee South	Monterey	Stevens	11680	200
Coles Levee South	San Joaquin	4th MYS Gas	N/A	N/A
Cymric			N/A	N/A
Cymric			1000-1200	50-450
Cymric	Etchegoin	Etchegoin	670	233
Cymric	Etchegoin	Etchegoin	3400	80
Cymric	Etchegoin	Etchegoin	2250	150
Cymric	Kreyenhagen	Point of Rocks	1100	100
Cymric	Monterey	Mcdonald-Devilwater	1230	210
Cymric	Monterey	Monterey	4050	550
Cymric	Reef Ridge	1st Mckittrick	4150-5560	65-100
Cymric	Reef Ridge	2nd Mckittrick	3400	85
Cymric	Reef Ridge	Olig (Reef Ridge)	4300-7870	175-300
Cymric	San Joaquin	San Joaquin	4900-8570	140-150
Cymric	Temblor	Agua (Santos)	5400	300
Cymric	Temblor	Carneros	1420	65
Cymric	Temblor	Carneros	2450	75
Cymric	Temblor	Carneros	2650	200
Cymric	Temblor	Carneros	3400	150
Cymric	Temblor	Phacoides	4600	35
Cymric	Temblor	Phacoides	4700	50
Cymric	Temblor	Phacoides	650	60
Cymric	Temblor	Phacoides	1500-2400	150
Cymric	Temblor	Phacoides	2200	150
Cymric	Tulare	Tulare	500	100
Cymric	Tulare	Tulare (Amnicola)	8600	250
Cymric	Tumey	Oceanic	10145	50
Cymric	Tumey	Oceanic	1600	60
Devils Den	Etchegoin	Bates	200	50
Devils Den	Kreyenhagen	Point of Rocks	200	260
Devils Den	Temblor	Cymric (Salt Creek)	500	300
Devils Den	Temblor	Santos	600	200
Devils Den	Wagonwheel	Wagonwheel (Tumey)	2340	75

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Dyer Creek (ABD)	Vedder	Vedder	1150	15-70
Edison	Chanac	Chanac	3450	100
Edison	Chanac	Jeppi	750-4200	450
Edison	Freeman-Jewett	Freeman-Jewett	400-4400	15-75
Edison	Freeman-Jewett	Freeman-Jewett	1500-2500	20-105
Edison	Freeman-Jewett	Pyramid Hill	3000	20-105
Edison	Fruitvale	Wicker	3150	30-125
Edison	Fruitvale	Wicker	2900	50-360
Edison	Fruitvale	Wicker	1200-4500	30-2207
Edison	Jewett	Jewett	1070	150
Edison	Jewett	Pyramid Hill	1830	40
Edison	Jewett-Vedder	Pyramid Hill-Vedder	3200	130
Edison	Kern River-Chanac	Kern River-Chanac	3260	200
Edison	Kern River-Chanac	Kern River-Chanac	4570	50
Edison	Kern River-Chanac	Kern River-Chanac	4620	100
Edison	Olcese	Olcese	4730	100
Edison	Olcese	Porter	3200	200
Edison	Round Mountain	Nozu	4000	30-50
Edison	Round Mountain	Nozu	4500	75
Edison	Round Mountain	Nozu	4400	50-100
Edison	Round Mountain	Nozu	4700	100
Edison	Santa Margarita	Santa Margarita	5300	300
Edison	Santa Margarita	Santa Margarita	3300	80
Edison	Santa Margarita	Santa Margarita	3500	30
Edison	Santa Margarita	Santa Margarita	5950	45
Edison	Schist	Schist	6040	20
Edison	Vedder	Vedder	4200	60
Edison	Vedder	Vedder	4100	50
Edison	Walker	Walker	500	20
Edison, Northeast	Chanac	Chanac	1120	50
Elk Hills	Etchegoin	Bittium	2300	50
Elk Hills	Etchegoin	Calitroleum	2400	80
Elk Hills	Etchegoin	Gusher	2700	55
Elk Hills	Etchegoin	Mulinia	2850	20
Elk Hills	Etchegoin	Wilhelm	3000	60
Elk Hills	Monterey	Northwest Stevens	3200	60
Elk Hills	Monterey	Stevens	3200	22
Elk Hills	Reef Ridge	Olig	5000	15
Elk Hills	San Joaquin	MYA (Gas)	5900-7100	150-400
Elk Hills	San Joaquin	Scalez	8900	200
Elk Hills	Temblor	Agua	9300	170
Elk Hills	Temblor	Carneros	9500	480
Elk Hills	Tulare	Tulare	4050	12

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Fruitvale	Chanac	40-7	4150	24
Fruitvale	Chanac	42-0	4300	60
Fruitvale	Chanac	Chanac	4400	30
Fruitvale	Chanac	Kernco	3000	50
Fruitvale	Chanac	Martin	3100	170
Fruitvale	Chanac	Mason-Parker	3250	190
Fruitvale	Etchegoin	Fairhaven	3400-3800	110-380
Fruitvale	Etchegoin	Lerdo	4500	75
Fruitvale	Santa Margarita	Santa Margarita	9500-10000	30-130
Goosloo	Fruitvale	Upper Stevens	8300	175
Greeley	Fruitvale	Stevens	10530	150
Greeley	Jewett	Olcese 12-21	11300	100
Greeley	Jewett-Vedder	Rio Bravo-Vedder	1705	130
Jasmin	Jewett	Pyramid Hill	2750	30-80
Jasmin	Vedder	Cantleberry Sands	740-1350	30-80
Kern Bluff	Santa Margarita	Santa Margarita	950	55
Kern Bluff	Transition	Transition	4020	10
Kern Bluff	Vedder	Vedder	2290	100-700
Kern Front	Etchegoin-Chanac	Etchegoin-Chanac	400-1300	100-500
Kern River	Jewett	Jewett	4220	3
Kern River	Kern River	Kern River	4700	N/A
Kern River	Vedder	Vedder	7500	15
Los Lobos	Etchegoin	Etchegoin	6500	150
Los Lobos	Monterey	Monterey	1700-3000	700-1000
Los Lobos	Reef Ridge	Reef Ridge	200	100-450
Lost Hills	Etchegoin	Etchegoin	1000	300
Lost Hills	Monterey	Cahn	1550	150
Lost Hills	Monterey	Devilwater	3200-3900	1500
Lost Hills	Reef Ridge	Reef Ridge	4200	330
Lost Hills	Temblor	Carneros	6020	50
Lost Hills	Tulare	Tulare	2000-2800	100
Lost Hills, Northwest	Etchegoin	Etchegoin	2200-3800	200-800
Lost Hills, Northwest	Monterey	Antelope	7450	30
McClung (ABD)	Fruitvale	Stevens	1300	50
McDonald Anticline	Kreyenhagen	Point of Rocks	500	1000
McDonald Anticline	Monterey	6th Sand	8000	60
McDonald Anticline	Monterey	Antelope	550	350
McDonald Anticline	Monterey	D-1	2100	30
McDonald Anticline	Monterey	Layman 101	1200	60
McDonald Anticline	Monterey	Layman Two (Intex)	1400	100
McDonald Anticline	Monterey	Theta (2nd Devilwater)	1500	40
McDonald Anticline	Monterey	Tolco (7th Devilwater)	2600	80
McDonald Anticline	Temblor	2A	1500	35

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
McDonald Anticline	Temblor	Agua	2200	90
McDonald Anticline	Temblor	Button Bed	2600	20
McDonald Anticline	Temblor	Phacoides	2600	100
McDonald Anticline	Temblor	Phacoides	1300	50
McDonald Anticline	Tulare	Tulare	3500	140
McDonald Anticline	Tumey	Oceanic	500-1000	300-500
McKittrick	Kreyenhagen	Point of Rocks	800	500
McKittrick	Monterey	Antelope	1500	400
McKittrick	Monterey	Antelope Shale	200-4750	175
McKittrick	Monterey	Stevens	2800	300-1500
McKittrick	Reef Ridge	Basal Reef Ridge	650	50-200
McKittrick	Reef Ridge	Olig	900-1200	50
McKittrick	Reef Ridge	Olig	1900	60
McKittrick	San Joaquin	San Joaquin	3600	2400
McKittrick	Temblor	Carneros	6500	100
McKittrick	Temblor	Phacoides (Wygol)	7900	300
McKittrick	Tulare	Tulare (Amnicola)	8300	125
McKittrick	Tulare-San Joaquin	Tulare-San Joaquin	9100	1400
McKittrick	Tumey	Oceanic	200-1400	50-200
Midway-Sunset	Etchegoin	Calitroleum	1100	150
Midway-Sunset	Etchegoin	Gusher	500-2500	20-50
Midway-Sunset	Etchegoin	Kinsey	200-3600	15-175
Midway-Sunset	Etchegoin	Wilhelm	200-3600	50-100
Midway-Sunset	Monterey	Antelope Shale	2000-3000	75
Midway-Sunset	Monterey	Leutholtz (Metson)	1500-4500	80
Midway-Sunset	Monterey	Marvic	1700-3300	10-250
Midway-Sunset	Monterey	McDonald Shale	400-3100	10-300
Midway-Sunset	Monterey	Moco	200-2500	60-500
Midway-Sunset	Monterey	Monarch (Spellacy)	1000	200
Midway-Sunset	Monterey	Obispo	3800	1000-2500
Midway-Sunset	Monterey	Pacific	600-2000	50-400
Midway-Sunset	Monterey	Pulv	1500-1800	50-250
Midway-Sunset	Monterey	Republic	2100-2700	70-450
Midway-Sunset	Monterey	Webster	3600	50-1500
Midway-Sunset	Reef Ridge	Lakeview	3700	50-300
Midway-Sunset	Reef Ridge	Potter	1200-3200	40-400
Midway-Sunset	Reef Ridge	Sub-Lakeview	1300-4900	150
Midway-Sunset	San Joaquin	MYA Tar	4125-4900	300
Midway-Sunset	San Joaquin	Top Oil	8700	65
Midway-Sunset	Temblor	Pioneer	2800-3800	300
Midway-Sunset	Tulare	Tulare	1600	160
Mount Poso	Freeman-Jewett	Pyramid Hill	1750	50-400
Mount Poso	Freeman-Jewett	Pyramid Hill	1140	80



Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Mount Poso	Vedder	Vedder	1560	35
Mount Poso	Vedder	Vedder	1500	30
Mount Poso	Vedder	Vedder	2575	15-50
Mount Poso	Vedder	Vedder	1390	30
Mount Poso	Vedder	Vedder	1750	25
Mount Poso	Vedder	Vedder	5500	65
Mountain View	Chanac	(Basal Chanac) Hood	4900	300
Mountain View	Chanac	Cattani	5200	100
Mountain View	Chanac	Cattani	5400	200
Mountain View	Chanac	Chanac	7300	40
Mountain View	Chanac	Chanac	7000	60
Mountain View	Chanac	Chanac-Cattani	5800	25
Mountain View	Chanac	Nichols	7275	25
Mountain View	Chanac	Richards	6000	50
Mountain View	Chanac	Transition	5800	100
Mountain View	Freeman-Jewett	Brite	7400	150
Mountain View	Fruitvale	Derby	7100-7400	400
Mountain View	Fruitvale	Stenderup	8000-9100	200
Mountain View	Kern River	Kern River	8400	100
Mountain View	Olcese	Frick	6100	275
Mountain View	Olcese	Olcese	6100	60
Mountain View	Round Mountain	Nozu	7100	130
Mountain View	Santa Margarita	Houchin	8100	150
Mountain View	Santa Margarita	Houchin	9600	200
Mountain View	Santa Margarita	Santa Margarita	8900	120
Mountain View	Santa Margarita	Santa Margarita	8300	250
Mountain View	Santa Margarita	Wharton (Hogan)	4900	15
Mountain View	Schist	Schist	5500	300
Mountain View	Schist	Schist	6100-6500	100
Mountain View	Schist	Schist	5700-7100	100
Mountain View	Walker	Walker	11400	50-90
Paloma	Monterey	Lower Stevens	11900	20-80
Paloma	Monterey	Paloma (Stevens)	4100-5200	20-120
Paloma	Monterey	Paloma (Stevens)	10000-10300	250
Paloma	Monterey	Symons (Stevens)	11500	200
Paloma	San Joaquin-Etchegoin	Gas Zone	3500	1000
Pioneer	Temblor	Pioneer	4300	200
Pleito	Chanac-Santa Margarita	Chanac-Santa Margarita	8900-13000	300-750
Pleito	Santa Margarita	Santa Margarita	2350	7
Poso Creek	Chanac	Chanac	2400	100
Poso Creek	Chanac	Chanac	2500	250
Poso Creek	Etchegoin	Basal Etchegoin	3400	40
Poso Creek	Etchegoin	Basal Etchegoin	1150	40

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Poso Creek	Etchegoin	Basal Etchegoin	1800	30
Poso Creek	Etchegoin	Macoma	3150	30
Poso Creek	Freeman-Jewett	Pyramid Hill	1800	90
Poso Creek	Santa Margarita	Kelly 2	1900	150
Poso Creek	Santa Margarita	Santa Margarita	950	40
Railroad Gap	Monterey	Antelope Shale	1100	60
Railroad Gap	Monterey	Valv (Foraminite)	2300	25
Railroad Gap	Reef Ridge	Olig	4400	50
Railroad Gap	San Joaquin	2nd MYA (Gas)	5000	1100
Railroad Gap	Temblor	Carneros	6700	120
Railroad Gap	Temblor	Phacoides (Wygol)	7000	250
Railroad Gap	Temblor	Upper Santos	8000	40
Railroad Gap	Tulare	Amnicola (Gas)	9100	180
Railroad Gap	Tulare	Amnicola (Oil)	5500-6000	30
Rio Bravo	Etchegoin	Gas Zone	10200	200
Rio Bravo	Freeman-Jewett	Olcese	10550	130
Rio Bravo	Freeman-Jewett and Vedder	Rio Bravo-Vedder-Osborn	11400	400
Rio Bravo	Oligocene	Helbling	11650	130
Rio Bravo	Round Mountain	Upper Olcese	6900	120
Rosedale	Fruitvale	Lowe Massive Stevens	1800-6800	10-50
Rosedale	Fruitvale	Lower Massive Stevens	5600	10-50
Rosedale	Fruitvale	Main Stevens	5800	20-100
Rosedale	Fruitvale	Stevens	7500	25
Rosedale	Fruitvale	Stevens	5800-6100	20-60
Rosedale	Fruitvale	Stevens Sand Stringers	3500	100
Rosedale Ranch	Chanac	KCL 31-38	4200	160
Rosedale Ranch	Chanac	Kernway 44	4675	80
Rosedale Ranch	Etchegoin	Etchegoin Sand	4900	100
Rosedale Ranch	Etchegoin	Lerdo	1600	130
Round Mountain	Freeman-Jewett	Jewett	1900	150
Round Mountain	Freeman-Jewett	Pyramid Hill	2000	80
Round Mountain	Vedder	Vedder	2400	25
Round Mountain	Vedder	Vedder	2600	15
Round Mountain	Vedder	Vedder	11700	60/120
San Emidio Nose	Monterey	Stevens	12600	150
San Emidio Nose	Reef Ridge	Reef Ridge	2200-4400	5-15
Semitropic	Etchegoin	Randolph	7400	100
Semitropic	San Joaquin	San Joaquin (Gas)	17610	150
Semitropic	Vedder	Vedder	12800	70
Shafter (ABD)	Vedder	Vedder	4300	25
Shafter, SE Gas (ABD)	Etchegoin	Etchegoin (E-7)	3400	100
Shale Point Gas (ABD)	Kreyenhagen	Mabury	3850	5
Strand	Etchegoin	Etchegoin Gas	8350	15-40

Primacy Productive Summary				
Field Name	Formation	Pool	Avg Depth (ft)	Avg Thickness (ft)
Strand	Etchegoin	Etchegoin Gas	9500	40
Strand	Fruitvale	Lower Stevens	12450	25
Strand	Fruitvale	Lower Stevens	3900-5900	10
Strand	Fruitvale	Lower Stevens	8700	40
Strand	Fruitvale	Upper Stevens	9740	70
Strand	Fruitvale	Upper Stevens	8150	10-25
Strand	Fruitvale	Upper Stevens	9770	85
Strand	Vedder	Vedder	2060	25
Temblor East (ABD)	Temblor	Wygol (Phacoides)	7950	320
Ten Section	Etchegoin	Etchegoin Gas	3650-5800	4-35
Ten Section	Fruitvale	Lower Stevens	9050	150
Ten Section	Fruitvale	Upper Stevens	2525	20
Trico Gas	San Joaquin	Atwell Island	3225	24
Trico Gas	San Joaquin	First MYA	13000	40
Wasco (ABD)	Freeman-Jewett	Vedder (A-2)	15000	275
Wasco (ABD)	Kreyenhagen	Eocene	100	100
Welcome Valley	Tumey	Tumey	1000	170
Wheeler Ridge	Fruitvale	Main	2050	200
Wheeler Ridge	Olcese	2-38	3400	70
Wheeler Ridge	Olcese	Olcese	4250	50
Wheeler Ridge	Round Mountain	Valv	3900	180
Wheeler Ridge	Santa Margarita	Coal Oil Canyon	815	350
White Wolf	Chanac	700 Sand	2800	200
White Wolf	Monterey	Antelope	1770	740
White Wolf	Reef Ridge	Reef Ridge	N/A	N/A

**Source:**

DOGGR Datasheet\_vol\_1 Oil and Gas Fields

**Note:**

Data are averaged and based on generic data from DOGGR and may not represent the depth to hydrocarbons at any given field.  
DOGGR- California Department of Conservation. Division of Oil, Gas, and Geothermal Resources.