Field	Zone
Fruitvale	Etchegoin (Fairhaven)
	Mason
	Parker
	Martin
	Kernco
Greeley	Etchegoin
	Rio Bravo
	Vedder
	Stevens
Jasmin	Cantleberry
	Vedder
Kern Bluff	Transition
	Santa Margarita
	Vedder
Kern River	Kern River
	Vedder(portions)
	Famosa
	Walker
Lakeside	San Joaquin
Los Lobos	Tulare
	Etchegoin
Lost Hills	Etchegoin
	Cahn
	Tulare
McDonald Anticline	First Point of Rocks
	Tolco
McKittrick	Tulare
	Potter
	Phacoides
	Stevens
Midway-Sunset	Antelope Sand
	Leutholtz
	Metson
	Monarch
	Potter
	Top Oil
	Kinsey 5K
	Calitroleum 20D
	Tulare
	San Joaquin
	P.M.O.
	Wilhelm 4C
Mountain View	Kern River
	Nichols
	Chanac
	Santa Margarita
	Stenderup
	Cattani
Mount Poso	Vedder
	Pyramid Hill
Paloma	Tulare
	San Joaquin
Pleito	Kern River
	Santa Margarita
	Chanac
Poso Creek	Etchegoin
	Chanac
	Vedder
	Olcese

COUNTY: **KERN**

MOUNTAIN VIEW OIL FIELD

ARVIN AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well	Buttes Resources Co. "Arvin Waterflood Unit" G1	The Texas Co. "George" 1	23 31S 29E	MD	6,516	Santa Margarita	
Deepest well	Union Oil Co. of Calif. "Jewett" 15-23	Same as present	23 31S 29E	MD	7,402		schist Late Jurassic(?)

POOL DATA

ITEM	CHANAC	SANTA MARGARITA	SCHIST	KERN RIVER		FIELD OR AREA DATA
Discovery date	February 1953	July 1951	March 1952	August 1985		
Initial production rates						
Oil (bbl/day)	42	142	35	-		
Gas (Mcf/day)	-	85	25	431		
Flow pressure (psi)	-	775/1,050	75/350	250		
Bean size (in.)	-	8/64	9/64	8/64		
Initial reservoir pressure (psi)	1,700**	2,700**	2,500**	1760		
Reservoir temperature (°F)	155**	151	141	-		
Initial oil content (STB/ac.-ft.)	1,100**	900**	-	-		
Initial gas content (MSCF/ac.-ft.)	500**	800**	-	-		
Formation	Chanac	Santa Margarita	schist	Kern River		
Geologic age	Pliocene-Miocene	Miocene	Late Jurassic(?)	Pliocene		
Average depth (ft.)	5,500	6,100-6,500	5,700-7,100	4[illegible]		
Average net thickness (ft.)	300	100	100	100		
Maximum productive area (acres)						685
RESERVOIR ROCK PROPERTIES						
Porosity (%)	25**	23**	fractured schist	23		
S_{oi} (%)				8		
S_{wi} (%)	32**	35**		52		
S_{gi} (%)				[illegible]		
Permeability to air (md)	600**	400**		15		
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	26-33	35	29	-		
Sulfur content (% by wt.)	0.36			-		
Initial solution GOR (SCF/STB)	240**	600**	510**	-		
Initial oil FVF (RB/STB)	1.18**	1.28**	1.28**	-		
Bubble point press. (psia)	1,500**	2,100**	2,250**	-		
Viscosity (cp) @ °F				-		
Gas:						
Specific gravity (air = 1.0)	0.7	0.87**	0.78**	-		
Heating value (Btu/cu. ft.)	1,170			-		
Water:						
Salinity, NaCl (ppm)	9,600	-	-	-		
T.D.S. (ppm)	9,900	-	-	-		
R_w (ohm/m) (77°F)	0.6	-	-	-		
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects	waterflood	waterflood		-		
Date started	1959	1959				
Date discontinued	1968	1968				
Peak oil production (bbl)						722,491
Year						1955
Peak gas production, net (Mcf)						1,287,867
Year						1955

Base of fresh water (ft.): 2,000

Remarks:

Selected References: Matthews, J. F., Jr., Arvin and Vaccaro Areas of Mountain View Oil Field: Calif. Div. of Oil and Gas, Summary of Operations -- Calif. Oil Fields, Vol. 47 No. 1 (1961).

DATE: January 1983 ** Estimated value

CALIFORNIA DIVISION OF OIL AND GAS

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

ARVIN, WEST AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well	Petro Resources, Inc. "Houchin" 1	General Pet. Corp. of Calif. "Houchin" 1	27 31S 29E	MD	7,928	Cattani	
Deepest well	Union Oil Co. of Calif. "Stenderup" 55X-21	Union Oil Co. of Calif., Opr. "Union-Hancock-Stenderup" 55X-21	21 31S 29E	MD	12,514		Freeman-Jewett Miocene

POOL DATA

ITEM	RICHARDS	CHANAC-CATTANI	CATTANI	HOUCHIN	STENDERUP	FIELD OR AREA DATA
Discovery date	September 1948	February 1939	December 1937	Arpil 1957	October 1956	
Initial production rates						
Oil (bbl/day)	21	2,988	123	85	1,170	
Gas (Mcf/day)	-	1,390	-	50	800	
Flow pressure (psi)	on pump	385/385	110/Pkr	60/375	300/700	
Bean size (in.)	-	50/64	5/8	on pump	44/64	
Initial reservoir pressure (psi)	< 1,900**	2,600**	2,800**	3,700	4,280	
Reservoir temperature (°F)	151	151	176	180	205	
Initial oil content (STB/ac.-ft.)	1,050**	1,050**	875**	760	750**	
Initial gas content (MSCF/ac.-ft.)	600**	-	850**	510	850**	
Formation	Chanac	Chanac	Chanac	Santa Margarita	Fruitvale	
Geologic age	Pliocene-Miocene	Pliocene-Miocene	Pliocene-Miocene	Miocene	Miocene	
Average depth (ft.)	6,100	6,100	7,100	8,100	9,600	
Average net thickness (ft.)	275	60	130	150	200	
Maximum productive area (acres)						
RESERVOIR ROCK PROPERTIES						
Porosity (%)	25**	25**	22**	20-23	17-23 (19.6*)	
S_{oi} (%)	-	-	-	65	-	
S_{wi} (%)	33**	30**	31**	35	32**	
S_{gi} (%)						
Permeability to air (md)	400**	400**	200**	50-260	35-745 (418*)	
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	32-33	31	30	35	28	
Sulfur content (% by wt.)	-	0.51	-	-	-	
Initial solution GOR (SCF/STB)	280**	460**	550**	670	600	
Initial oil FVF (RB/STB)	1.18**	1.26**	1.3**	1.39	1.35**	
Bubble point press. (psia)	1,200**	1,900**	2,500**	2,540	3,250	
Viscosity (cp) @ °F	-	-	-	0.6 @160	0.73 @200	
Gas:						
Specific gravity (air = 1.0)	0.85**	0.82**	0.79**	0.70	0.75**	
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)	-	1,700	-	22,000-33,000	22,000	
T.D.S. (ppm)	-	1,900	-	25,000-35,000	22,300	
R_w (ohm/m) (77°F)	-	2.8	-	0.25	0.26	
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects			waterflood			
Date started			1957			
Date discontinued			1962			
Peak oil production (bbl)	84,569	760,433	161,517	332,858	330,655	
Year	1956	1947	1952	1958	1957	
Peak gas production, net (Mcf)	169,432	1,451,261	414,031	286,842	278,485	
Year	1958	1940	1953	1961	1958	

Base of fresh water (ft.): 2,500-2,800

Remarks: A small amount of commingled production has been reported from the Schist zone.

Selected References:
Ferguson, G. C. & R. H. Miller, Mountain Veiw Oil Field: Calif. Div. of Mines, Bulletin 118 (1943) - pp. 565-570.
Kasline, F. E., Arvin Area of Mountain View Oil Field: Calif. Div. of Oil and Gas, Summary of Operations -- Calif. Oil Fields, Vol. 24 No. 4 (1939).
Matthews, J. F. Jr., West Arvin Area of Mountain View Oil Field: Calif. Div. of Oil & Gas, Summary of Operations - Calif. Oil Fields, Vol. 48 No. 1 (1962).

DATE: January 1983 ** Estimated value * Average value

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

ARVIN, WEST AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well							
Deepest well							

POOL DATA

ITEM	FRICK a/	BRITE c/				FIELD OR AREA DATA
Discovery date	April 1959	December 1958				
Initial production rates						
Oil (bbl/day)	65	420				
Gas (Mcf/day)	14	264				
Flow pressure (psi)	50/600	500/Pkr				
Bean size (in.)	on pump	18/64				
Initial reservoir pressure (psi)	4,050	3,760				
Reservoir temperature (°F)	210	190				
Initial oil content (STB/ac.-ft.)	850**	750**				
Initial gas content (MSCF/ac.-ft.)	900**	850**				
Formation	Olcese	Freeman-Jewett				
Geologic age	Miocene	Miocene				
Average depth (ft.)	8,900	8,300				
Average net thickness (ft.)	120	250				
Maximum productive area (acres)						905
RESERVOIR ROCK PROPERTIES						
Porosity (%)	20**	19.5				
S_{oi} (%)						
S_{wi} (%)	35**	30**				
S_{gi} (%)						
Permeability to air (md)	130**	64				
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	27	35				
Sulfur content (% by wt.)						
Initial solution GOR (SCF/STB)	210**	675				
Initial oil FVF (RB/STB)	1.16**	1.39				
Bubble point press. (psia)	1,400**	2,880				
Viscosity (cp) @ °F	-	0.59 @190				
Gas:						
Specific gravity (air = 1.0)	0.77**	0.77				
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)	-	12,600				
T.D.S. (ppm)	-	15,000				
R_w (ohm/m) (77°F)	-	0.44				
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects						
Date started						
Date discontinued						
Peak oil production (bbl)	12,134	205,172				769,822
Year	1959	1960				1947
Peak gas production, net (Mcf)	16,209 b/	260,718				1,451,261
Year	1958	1960				1940

Base of fresh water (ft.):

Remarks:
a/ Frick zone abandoned in 1967. Cumulative production is 33,577 bbl of oil and 32,151 Mcf of gas.
b/ Peak gas production based upon testing period prior to initial completion.
c/ Brite zone combined with Houchin zone production statistics in 1965.

Selected References:

DATE: January 1983 ** Estimated value

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

DIGIORGIO AREA (ABD)

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well	Reserve Oil, Inc. "Earl Fruit Co." 1	Mohawk Petroleum Co. "Earl Fruit Co." 1	10 31S 29E	MD	6,013	Santa Margarita	
Deepest well	The Superior Oil Co. "Cal Pride Farms" 1	Same as present	15 31S 29E	MD	6,694		a/ Late Jurassic(?)

POOL DATA

ITEM	SANTA MARGARITA	SCHIST				FIELD OR AREA DATA
Discovery date	August 1936	November 1955				
Initial production rates						
Oil (bbl/day)	182	26				
Gas (Mcf/day)	650	-				
Flow pressure (psi)	90/480	25/400				
Bean size (in.)	34/64	-				
Initial reservoir pressure (psi)	2,700	2,300**				
Reservoir temperature (°F)	149	144				
Initial oil content (STB/ac.-ft.)	925**	-				
Initial gas content (MSCF/ac.-ft.)	850**	-				
Formation	Santa Margarita	schist				
Geologic age	Miocene	Late Jurassic(?)				
Average depth (ft.)	6,000	5,800				
Average net thickness (ft.)	50	100				
Maximum productive area (acres)						70
RESERVOIR ROCK PROPERTIES						
Porosity (%)	24**	fractured schist				
S_{oi} (%)						
S_{wi} (%)	32**	-				
S_{gi} (%)						
Permeability to air (md)	300**	-				
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	33	26				
Sulfur content (% by wt.)						
Initial solution GOR (SCF/STB)	650**	330**				
Initial oil FVF (RB/STB)	1.35**	1.2**				
Bubble point press. (psia)	2,350**	1,800**				
Viscosity (cp) @ °F						
Gas:						
Specific gravity (air = 1.0)	0.83**	0.74**				
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)						
T.D.S. (ppm)						
R_w (ohm/m) (77°F)						
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects						
Date started						
Date discontinued						
Peak oil production (bbl)						15,605
Year						1948
Peak gas production, net (Mcf)						13,933
Year						1948

Base of fresh water (ft.): 2,000 - 2,400

Remarks: Digiorgio Area was abandoned in 1959. Cumulative production is 115,769 bbl of oil and 42,062 Mcf of gas.
a/ basement (schist)

Selected References: Miller, R. H., and C. V. Bloom, Mountain View Oil Field: Calif. Div. of Oil and Gas, Summary of Operations -- Calif. Oil Fields, Vol. 22 No. 4 (1937).

DATE: January 1983 ** Estimated value

CALIFORNIA DIVISION OF OIL AND GAS

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

MAIN AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well	Chester F. Dolley "Wharton" 1	Hogan Petroleum Co. "Wharton" 1	32 30S 29E	MD	5,884	Wharton	
Deepest well	Getty Oil Co. "Frick-Hagan" 23-9	Pacific Western Oil Corp. "Frick-Hagan" 23-9	9 31S 29E	MD	10,619		Walker Eocene

POOL DATA

ITEM	NICHOLS	(BASAL CHANAC) HOOD	TRANSITION	WHARTON (HOGAN)	NOZU	FIELD OR AREA DATA
Discovery date	a/	a/	a/	May 1933	April 1953	
Initial production rates						
Oil (bbl/day)	-	-	-	3,200	385	
Gas (Mcf/day)	-	-	-	-	490	
Flow pressure (psi)	-	-	-	-	750/Pkr	
Bean size (in.)	-	-	-	2 @64/64	32/64	
Initial reservoir pressure (psi)	1,500**	1,600**	1,700**	2,500**	3,200**	
Reservoir temperature (°F)	122	129	134	136	181	
Initial oil content (STB/ac.-ft.)	1,300**	1,250**	1,250**	1,400**	850**	
Initial gas content (MSCF/ac.-ft.)	450**	500**	500**	900**	800**	
Formation	Chanac	Chanac	Chanac	Santa Margarita	Round Mountain	
Geologic age	Pliocene-Miocene	Pliocene-Miocene	Pliocene-Miocene	Miocene	Miocene	
Average depth (ft.)	4,900	5,200	5,400	5,500	7,300	
Average net thickness (ft.)	300	100	200	65	40	
Maximum productive area (acres)						
RESERVOIR ROCK PROPERTIES						
Porosity (%)	26	26	26	28	22**	
S_{oi} (%)						
S_{wi} (%)	30**	30**	30**	25**	25**	
S_{gi} (%)						
Permeability to air (md)	599	167	211	483	180**	
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	17-27	23-27	23-27	23-34	35	
Sulfur content (% by wt.)	0.36	0.36	0.36	0.44	-	
Initial solution GOR (SCF/STB)	80**	180**	200**	240**	860**	
Initial oil FVF (RB/STB)	1.06**	1.1**	1.1**	1.14**	1.5**	
Bubble point press. (psia)	710**	1,250**	1,250**	1,400**	3,000**	
Viscosity (cp) @ °F	45 @130	45 @130	45 @130	-	-	
Gas:						
Specific gravity (air = 1.0)	0.6**	0.7**	0.7**	0.7**	0.85**	
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)	500	500	500	10,600	19,700	
T.D.S. (ppm)	1,200-1,400	1,200-1,400	-	10,900	22,500	
R_w (ohm/m) (77°F)	5.6-6.5	5.6-6.5	-	0.57	0.30	
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects	waterflood			waterflood		
Date started	1970			1965		
Date discontinued	1976			1967		
Peak oil production (bbl)						
Year						
Peak gas production, net (Mcf)						
Year						

Base of fresh water (ft.): 1,150 - 4,800

Remarks: a/ Discovery of the Nichols, Hood, and Transition zones occurred between 1933 and 1937. The discovery wells are unknown.

Selected References:

Ferguson, G. C., and R. H. Miller, Mountain View Oil Field: Calif. Div. of Mines, Bulletin 118 (1973) pp. 565-570.
Miller, R. H., and C. V. Bloom, Mountain View Oil Field: Calif. Div. of Oil and Gas, Summary of Operations -- Calif. Oil Fields, Vol. 22 No. 4 (1937).
Park, W. H., Main Area of Mountain View Oil Field: Calif. Div. of Oil & Gas, Summary of Operations -- Calif. Oil Fields, Vol. 52 No. 1 (1966).

DATE: January 1983

** Estimated value

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

MAIN AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well							
Deepest well							

POOL DATA

ITEM	OLCESE	SCHIST				FIELD OR AREA DATA
Discovery date	May 1958	December 1947				
Initial production rates						
Oil (bbl/day)	49	244				
Gas (Mcf/day)	25	600				
Flow pressure (psi)	-	800/1,175				
Bean size (in.)	on pump	16/64				
Initial reservoir pressure (psi)	< 2,200**	3,200**				
Reservoir temperature (°F)	173	180				
Initial oil content (STB/ac.-ft.)	850**	-				
Initial gas content (MSCF/ac.-ft.)	600**	-				
Formation	Olcese	schist				
Geologic age	Miocene	Late Jurassic(?)				
Average depth (ft.)	7,000	7,275				
Average net thickness (ft.)	60	25				
Maximum productive area (acres)						3,040
RESERVOIR ROCK PROPERTIES						
Porosity (%)	22**	fractured schist				
So_i (%)						
Sw_i (%)	34**	-				
Sg_i (%)						
Permeability to air (md)	200**	-				
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	32	45				
Sulfur content (% by wt.)						
Initial solution GOR (SCF/STB)	510**	1,300**				
Initial oil FVF (RB/STB)	1.3**	1.8**				
Bubble point press. (psia)	2,150**	2.950**				
Viscosity (cp) @ °F						
Gas:						
Specific gravity (air = 1.0)	0.83**	0.95**				
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)						
T.D.S. (ppm)						
R_w (ohm/m) (77°F)						
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects						
Date started						
Date discontinued						
Peak oil production (bbl)						9,364,753
Year						1936
Peak gas production, net (Mcf)						14,699,530
Year						1936

Base of fresh water (ft.):

Remarks:

Selected References:

DATE: January 1983 ** Estimated value

COUNTY: KERN

MOUNTAIN VIEW OIL FIELD

VACCARO AREA

DISCOVERY WELL AND DEEPEST WELL

	Present operator and well designation	Original operator and well designation	Sec. T. & R.	B.&M.	Total depth (feet)	Pool (zone)	Strata & age at total depth
Discovery well	Kenneth M. Byrum and Dwight E. Byrum "Arvin" 1	General Petroleum Corp. of Calif. "Arvin" 1	26 31S 29E	MD	7,462	Cattani	
Deepest well	Ferguson and Bosworth "Union-Signal Tipton-Stockton 57-34	Same as present	34 31S 29E	MD	11,711		schist Late Jurassic(?)

POOL DATA

ITEM	CHANAC	CATTANI	HOUCHIN	DERBY		FIELD OR AREA DATA
Discovery date	September 1955	May 1937	October 1959	October 1956		
Initial production rates						
Oil (bbl/day)	133	44	133	100		
Gas (Mcf/day)	90	-	100	50		
Flow pressure (psi)	160/560	-	150/Pkr	180/1,200		
Bean size (in.)	16/64	on pump	16/64	32/64		
Initial reservoir pressure (psi)	3,300**	> 2,200**	3,600**	3,600**		
Reservoir temperature (°F)	183	176	198	208		
Initial oil content (STB/ac.-ft.)	850**	700**	825**	850**		
Initial gas content (MSCF/ac.-ft.)	800**	600**	750**	750**		
Formation	Chanac	Chanac	Santa Margarita	Fruitvale		
Geologic age	Pliocene-Miocene	Pliocene-Miocene	Miocene	Miocene		
Average depth (ft.)	7,400	7,100-7,400	8,00-9,100	8,400		
Average net thickness (ft.)	150	400	200	100		
Maximum productive area (acres)						140
RESERVOIR ROCK PROPERTIES						
Porosity (%)	22**	22**	21**	21**		
S_{oi} (%)						
S_{wi} (%)	28**	38**	28**	28**		
S_{gi} (%)						
Permeability to air (md)	200**	200**	150**	150**		
RESERVOIR FLUID PROPERTIES						
Oil:						
Oil gravity (°API)	36	34	32	35		
Sulfur content (% by wt.)						
Initial solution GOR (SCF/STB)	670**	920**	750**	500**		
Initial oil FVF (RB/STB)	1.4**	1.5**	1.42**	1.34**		
Bubble point press. (psia)	2,350**	3,400**	3,300**	1,950**		
Viscosity (cp) @ °F						
Gas:						
Specific gravity (air = 1.0)	0.88**	0.82**	0.8**	0.88**		
Heating value (Btu/cu. ft.)						
Water:						
Salinity, NaCl (ppm)	-	24,900	-	-		
T.D.S. (ppm)	-	25,000	-	-		
R_w (ohm/m) (77°F)	-	0.24	-	-		
ENHANCED RECOVERY PROJECTS						
Enhanced recovery projects						
Date started						
Date discontinued						
Peak oil production (bbl)	23,789 a/	65,177 a/	21,917 b/	19,983		65,177
Year	1957	1949	1962	1957		1949
Peak gas production, net (Mcf)	8,866	91,638	11,777	1,530		91,638
Year	1957	1949	1962	1962		1949

Base of fresh water (ft.): 2,900

Remarks:
a/ Chanac and Cattani production was combined, and has been reported as Chanac since 1965.
b/ Houchin production was reported as two separate pools, the Stockton and Tipton, until 1965.

Selected References:
Matthews, J. F., Jr., Arvin and Vaccaro Areas of Mountain View Oil Field: Calif. Div. of Oil and Gas, Summary of Operations -- Calif. Oil Fields, Vol. 47 No. 1 (1961).

DATE: January 1983 ** Estimated value

CALIFORNIA DIVISION OF OIL AND GAS