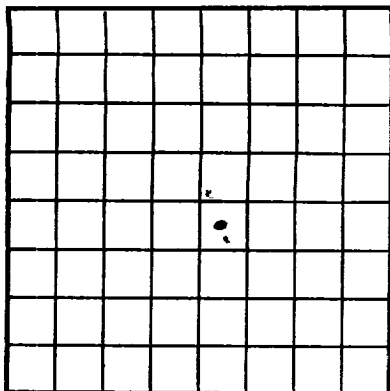


U. S. LAND OFFICE
SERIAL NUMBER **10-065970**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southern California Petroleum** Corporation Address **Box 172, Midland, Texas**
Lessor or Tract **Federal, Bettie-Raid** Field **Malaga** State **New Mexico**
Well No. **1** Sec. **7** T. **24S** R. **29E** Meridian **N.M.P.M.** County **ddy**
Location **2310** ft. {N.} of **8** Line and **2310** ft. {E.} of **8** Line of **Sec. 7** Elevation **2980**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **Robert W. Manner**Date **August 21, 1951** Title **Petroleum Engineer,**
Southern Calif. Petroleum Corp.Commenced drilling **July 19,** 19 **51** Finished drilling **August 21,** 19 **51**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2782** to **2792** No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **Between 2782 and 2792** No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	54.5	8	Used	2785	Ball				Protection
8-5/8	26.5	8	Used	2785	Ball				Production
5 1/2	15.9	8							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	152	98	Plug		
8-5/8	982	125	Two plug		
5 1/2	2765	147	Two plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to **2765** feet, and from _____ feet to _____ feetCable tools were used from **2765** feet to **2782** feet, and from _____ feet to _____ feet

DATES

Put to producing **August 21,** 19 **51**The production for the first 24 hours was **169** barrels of fluid of which _____ % was oil; _____ %emulsion; _____ % water; and _____ % sediment. Gravity, °Be. **74**If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **API 130**

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller **D. O. Wilson** _____, Driller **W. Fox**_____, Driller **John Collins** _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	300	300	No samples taken
300	380	80	Salt
380	400	20	Anhydrite
400	410	10	Salt
410	420	10	Anhydrite
420	430	10	Salt
430	460	30	Anhydrite
460	640	180	Salt
640	660	20	Anhydrite
660	740	80	Salt
740	800	60	Anhydrite
800	950	150	Red clay, anhydrite and gypsum
950	960	10	Blue clay
960	990	30	Anhydrite
990	1060	70	Mostly fine-grained, v. well cemented sand
1060	1090	30	Anhydrite
1090	1110	20	Sand
1110	1180	70	Anhydrite and gypsum
1180	1200	20	Salt
1200	1210	10	Anhydrite
1210	1220	10	Salt
1220	1230	10	Anhydrite
1230	1240	10	Salt
1240	1250	10	Anhydrite
1250	1260	10	Salt
1260	1270	10	Anhydrite
1270	1280	10	Salt
1280	1290	10	Anhydrite
1290	1300	10	Salt
1300	1310	10	Anhydrite
1310	1320	10	Salt
1320	1330	10	Anhydrite
1330	1340	10	Salt
1340	1350	10	Anhydrite
1350	1360	10	Salt
1360	1370	10	Anhydrite
1370	1380	10	Salt
1380	1390	10	Anhydrite
1390	1400	10	Salt
1400	1410	10	Anhydrite
1410	1420	10	Salt
1420	1430	10	Anhydrite
1430	1440	10	Salt
1440	1450	10	Anhydrite
1450	1460	10	Salt
1460	1470	10	Anhydrite
1470	1480	10	Salt
1480	1490	10	Anhydrite
1490	1500	10	Salt
1500	1510	10	Anhydrite
1510	1520	10	Salt
1520	1530	10	Anhydrite
1530	1540	10	Salt
1540	1550	10	Anhydrite
1550	1560	10	Salt
1560	1570	10	Anhydrite
1570	1580	10	Salt
1580	1590	10	Anhydrite
1590	1600	10	Salt
1600	1610	10	Anhydrite
1610	1620	10	Salt
1620	1630	10	Anhydrite
1630	1640	10	Salt
1640	1650	10	Anhydrite
1650	1660	10	Salt
1660	1670	10	Anhydrite
1670	1680	10	Salt
1680	1690	10	Anhydrite
1690	1700	10	Salt
1700	1710	10	Anhydrite
1710	1720	10	Salt
1720	1730	10	Anhydrite
1730	1740	10	Salt
1740	1750	10	Anhydrite
1750	1760	10	Salt
1760	1770	10	Anhydrite
1770	1780	10	Salt
1780	1790	10	Anhydrite
1790	1800	10	Salt
1800	1810	10	Anhydrite
1810	1820	10	Salt
1820	1830	10	Anhydrite
1830	1840	10	Salt
1840	1850	10	Anhydrite
1850	1860	10	Salt
1860	1870	10	Anhydrite
1870	1880	10	Salt
1880	1890	10	Anhydrite
1890	1900	10	Salt
1900	1910	10	Anhydrite
1910	1920	10	Salt
1920	1930	10	Anhydrite
1930	1940	10	Salt
1940	1950	10	Anhydrite
1950	1960	10	Salt
1960	1970	10	Anhydrite
1970	1980	10	Salt
1980	1990	10	Anhydrite
1990	2000	10	Salt
2000	2010	10	Anhydrite
2010	2020	10	Salt
2020	2030	10	Anhydrite
2030	2040	10	Salt
2040	2050	10	Anhydrite
2050	2060	10	Salt
2060	2070	10	Anhydrite
2070	2080	10	Salt
2080	2090	10	Anhydrite
2090	2100	10	Salt
2100	2110	10	Anhydrite
2110	2120	10	Salt
2120	2130	10	Anhydrite
2130	2140	10	Salt
2140	2150	10	Anhydrite
2150	2160	10	Salt
2160	2170	10	Anhydrite
2170	2180	10	Salt
2180	2190	10	Anhydrite
2190	2200	10	Salt
2200	2210	10	Anhydrite
2210	2220	10	Salt
2220	2230	10	Anhydrite
2230	2240	10	Salt
2240	2250	10	Anhydrite
2250	2260	10	Salt
2260	2270	10	Anhydrite
2270	2280	10	Salt
2280	2290	10	Anhydrite
2290	2300	10	Salt
2300	2310	10	Anhydrite
2310	2320	10	Salt
2320	2330	10	Anhydrite
2330	2340	10	Salt
2340	2350	10	Anhydrite
2350	2360	10	Salt
2360	2370	10	Anhydrite
2370	2380	10	Salt
2380	2390	10	Anhydrite
2390	2400	10	Salt
2400	2410	10	Anhydrite
2410	2420	10	Salt
2420	2430	10	Anhydrite
2430	2440	10	Salt
2440	2450	10	Anhydrite
2450	2460	10	Salt
2460	2470	10	Anhydrite
2470	2480	10	Salt
2480	2490	10	Anhydrite
2490	2500	10	Salt
2500	2510	10	Anhydrite
2510	2520	10	Salt
2520	2530	10	Anhydrite
2530	2540	10	Salt
2540	2550	10	Anhydrite
2550	2560	10	Salt
2560	2570	10	Anhydrite
2570	2580	10	Salt
2580	2590	10	Anhydrite
2590	2600	10	Salt
2600	2610	10	Anhydrite
2610	2620	10	Salt
2620	2630	10	Anhydrite
2630	2640	10	Salt
2640	2650	10	Anhydrite
2650	2660	10	Salt
2660	2670	10	Anhydrite
2670	2680	10	Salt
2680	2690	10	Anhydrite
2690	2700	10	Salt
2700	2710	10	Anhydrite
2710	2720	10	Salt
2720	2730	10	Anhydrite
2730	2740	10	Salt
2740	2750	10	Anhydrite
2750	2760	10	Salt
2760	2770	10	Anhydrite
2770	2780	10	Salt
2780	2790	10	Anhydrite
2790	2800	10	Salt
2800	2810	10	Anhydrite
2810	2820	10	Salt
2820	2830	10	Anhydrite
2830	2840	10	Salt
2840	2850	10	Anhydrite
2850	2860	10	Salt
2860	2870	10	Anhydrite
2870	2880	10	Salt
2880	2890	10	Anhydrite
2890	2900	10	Salt
2900	2910	10	Anhydrite
2910	2920	10	Salt
2920	2930	10	Anhydrite
2930	2940	10	Salt
2940	2950	10	Anhydrite
2950	2960	10	Salt
2960	2970	10	Anhydrite
2970	2980	10	Salt
2980	2990	10	Anhydrite
2990	3000	10	Salt

OF THE NEW YORK CONGRESS

U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
2177	2266	87	Limestone and anhydrite
2168	2495	231	Salt
2165	2703	208	Limestone and anhydrite
2163	2705	32	Black limy shale (Black lime)
2155	2736	1	Gray, dense limestone
2136	2792	56	Polychrome sand