



LOCATE WELL CORRECTLY

COPY TO O. C. C.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068960
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
NOV 8 1953
AMERICAN OIL FIELD

LOG OF OIL OR GAS WELL

Company HARRY LEONARD Address Box 572, Roswell, New Mexico
Lessor or Tract _____ Field Cave (Ext) State New Mexico
Well No. 17 Sec. 17 T. 29N Meridian N.M.P.M. County Eddy
Location 1900 ft. N of 8 Line and 660 ft. E of W Line of Section 17 Elevation 3659 ft. (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 Harry Leonard Title OperatorDate November 3, 1953

The summary on this page is for the condition of the well at above date.

Commenced drilling September 9, 1953 Finished drilling October 6, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1941 to 1946 0 - 300,000 No. 4, from _____ to _____
No. 2, from 1941 to 1946 0 - very small No. 5, from _____ to _____
No. 3, from 2135 to 2150 0 - small inc. No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2388 to 2397 No. 3, from _____ to _____
No. 2, from _____ to (1-1/4 BLAS FH) 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—	
<u>8-5/8"</u>	<u>247</u>		<u>Nov</u>	<u>247</u>					<u>surface string</u>
<u>5-1/2"</u>	<u>1920</u>								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>247</u>	<u>50</u>	<u>Water Oil Well</u>		
<u>5-1/2"</u>	<u>1920</u>	<u>150</u>	<u>Water Oil Well</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

TREATING & HYDRO-FRAC

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>Washed hole w/</u>	<u>200 lbs</u>	<u>10-15-53</u>	<u>1920-2160</u>	<u>SEE REMARKS END OF LOG</u>
		<u>Treated w/</u>	<u>1000 lbs</u>	<u>10-28-53</u>	<u>1920-50</u>	<u>" "</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing SHUT-IN, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 370,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Reach _____, Driller Spencer _____, Driller
Brown _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1900</u>	<u>1900</u>	<u>Shale</u>
<u>1900</u>	<u>1910</u>	<u>1910</u>	<u>Shale</u>
<u>1910</u>	<u>1920</u>	<u>1920</u>	<u>Shale</u>
<u>1920</u>	<u>1930</u>	<u>1930</u>	<u>Shale</u>
<u>1930</u>	<u>1940</u>	<u>1940</u>	<u>Shale</u>
<u>1940</u>	<u>1950</u>	<u>1950</u>	<u>Shale</u>
<u>1950</u>	<u>1960</u>	<u>1960</u>	<u>Shale</u>
<u>1960</u>	<u>1970</u>	<u>1970</u>	<u>Shale</u>
<u>1970</u>	<u>1980</u>	<u>1980</u>	<u>Shale</u>
<u>1980</u>	<u>1990</u>	<u>1990</u>	<u>Shale</u>
<u>1990</u>	<u>2000</u>	<u>2000</u>	<u>Shale</u>
<u>2000</u>	<u>2010</u>	<u>2010</u>	<u>Shale</u>
<u>2010</u>	<u>2020</u>	<u>2020</u>	<u>Shale</u>
<u>2020</u>	<u>2030</u>	<u>2030</u>	<u>Shale</u>
<u>2030</u>	<u>2040</u>	<u>2040</u>	<u>Shale</u>
<u>2040</u>	<u>2050</u>	<u>2050</u>	<u>Shale</u>
<u>2050</u>	<u>2060</u>	<u>2060</u>	<u>Shale</u>
<u>2060</u>	<u>2070</u>	<u>2070</u>	<u>Shale</u>
<u>2070</u>	<u>2080</u>	<u>2080</u>	<u>Shale</u>
<u>2080</u>	<u>2090</u>	<u>2090</u>	<u>Shale</u>
<u>2090</u>	<u>2100</u>	<u>2100</u>	<u>Shale</u>
<u>2100</u>	<u>2110</u>	<u>2110</u>	<u>Shale</u>
<u>2110</u>	<u>2120</u>	<u>2120</u>	<u>Shale</u>
<u>2120</u>	<u>2130</u>	<u>2130</u>	<u>Shale</u>
<u>2130</u>	<u>2140</u>	<u>2140</u>	<u>Shale</u>
<u>2140</u>	<u>2150</u>	<u>2150</u>	<u>Shale</u>
<u>2150</u>	<u>2160</u>	<u>2160</u>	<u>Shale</u>
<u>2160</u>	<u>2170</u>	<u>2170</u>	<u>Shale</u>
<u>2170</u>	<u>2180</u>	<u>2180</u>	<u>Shale</u>
<u>2180</u>	<u>2190</u>	<u>2190</u>	<u>Shale</u>
<u>2190</u>	<u>2200</u>	<u>2200</u>	<u>Shale</u>
<u>2200</u>	<u>2210</u>	<u>2210</u>	<u>Shale</u>
<u>2210</u>	<u>2220</u>	<u>2220</u>	<u>Shale</u>
<u>2220</u>	<u>2230</u>	<u>2230</u>	<u>Shale</u>
<u>2230</u>	<u>2240</u>	<u>2240</u>	<u>Shale</u>
<u>2240</u>	<u>2250</u>	<u>2250</u>	<u>Shale</u>
<u>2250</u>	<u>2260</u>	<u>2260</u>	<u>Shale</u>
<u>2260</u>	<u>2270</u>	<u>2270</u>	<u>Shale</u>
<u>2270</u>	<u>2280</u>	<u>2280</u>	<u>Shale</u>
<u>2280</u>	<u>2290</u>	<u>2290</u>	<u>Shale</u>
<u>2290</u>	<u>2300</u>	<u>2300</u>	<u>Shale</u>
<u>2300</u>	<u>2310</u>	<u>2310</u>	<u>Shale</u>
<u>2310</u>	<u>2320</u>	<u>2320</u>	<u>Shale</u>
<u>2320</u>	<u>2330</u>	<u>2330</u>	<u>Shale</u>
<u>2330</u>	<u>2340</u>	<u>2340</u>	<u>Shale</u>
<u>2340</u>	<u>2350</u>	<u>2350</u>	<u>Shale</u>
<u>2350</u>	<u>2360</u>	<u>2360</u>	<u>Shale</u>
<u>2360</u>	<u>2370</u>	<u>2370</u>	<u>Shale</u>
<u>2370</u>	<u>2380</u>	<u>2380</u>	<u>Shale</u>
<u>2380</u>	<u>2390</u>	<u>2390</u>	<u>Shale</u>
<u>2390</u>	<u>2400</u>	<u>2400</u>	<u>Shale</u>
<u>2400</u>	<u>2410</u>	<u>2410</u>	<u>Shale</u>
<u>2410</u>	<u>2420</u>	<u>2420</u>	<u>Shale</u>
<u>2420</u>	<u>2430</u>	<u>2430</u>	<u>Shale</u>
<u>2430</u>	<u>2440</u>	<u>2440</u>	<u>Shale</u>
<u>2440</u>	<u>2450</u>	<u>2450</u>	<u>Shale</u>
<u>2450</u>	<u>2460</u>	<u>2460</u>	<u>Shale</u>
<u>2460</u>	<u>2470</u>	<u>2470</u>	<u>Shale</u>
<u>2470</u>	<u>2480</u>	<u>2480</u>	<u>Shale</u>
<u>2480</u>	<u>2490</u>	<u>2490</u>	<u>Shale</u>
<u>2490</u>	<u>2500</u>	<u>2500</u>	<u>Shale</u>
<u>2500</u>	<u>2510</u>	<u>2510</u>	<u>Shale</u>
<u>2510</u>	<u>2520</u>	<u>2520</u>	<u>Shale</u>
<u>2520</u>	<u>2530</u>	<u>2530</u>	<u>Shale</u>
<u>2530</u>	<u>2540</u>	<u>2540</u>	<u>Shale</u>
<u>2540</u>	<u>2550</u>	<u>2550</u>	<u>Shale</u>
<u>2550</u>	<u>2560</u>	<u>2560</u>	<u>Shale</u>
<u>2560</u>	<u>2570</u>	<u>2570</u>	<u>Shale</u>
<u>2570</u>	<u>2580</u>	<u>2580</u>	<u>Shale</u>
<u>2580</u>	<u>2590</u>	<u>2590</u>	<u>Shale</u>
<u>2590</u>	<u>2600</u>	<u>2600</u>	<u>Shale</u>
<u>2600</u>	<u>2610</u>	<u>2610</u>	<u>Shale</u>
<u>2610</u>	<u>2620</u>	<u>2620</u>	<u>Shale</u>
<u>2620</u>	<u>2630</u>	<u>2630</u>	<u>Shale</u>
<u>2630</u>	<u>2640</u>	<u>2640</u>	<u>Shale</u>
<u>2640</u>	<u>2650</u>	<u>2650</u>	<u>Shale</u>
<u>2650</u>	<u>2660</u>	<u>2660</u>	<u>Shale</u>
<u>2660</u>	<u>2670</u>	<u>2670</u>	<u>Shale</u>
<u>2670</u>	<u>2680</u>	<u>2680</u>	<u>Shale</u>
<u>2680</u>	<u>2690</u>	<u>2690</u>	<u>Shale</u>
<u>2690</u>	<u>2700</u>	<u>2700</u>	<u>Shale</u>
<u>2700</u>	<u>2710</u>	<u>2710</u>	<u>Shale</u>
<u>2710</u>	<u>2720</u>	<u>2720</u>	<u>Shale</u>
<u>2720</u>	<u>2730</u>	<u>2730</u>	<u>Shale</u>
<u>2730</u>	<u>2740</u>	<u>2740</u>	<u>Shale</u>
<u>2740</u>	<u>2750</u>	<u>2750</u>	<u>Shale</u>
<u>2750</u>	<u>2760</u>	<u>2760</u>	<u>Shale</u>
<u>2760</u>	<u>2770</u>	<u>2770</u>	<u>Shale</u>
<u>2770</u>	<u>2780</u>	<u>2780</u>	<u>Shale</u>
<u>2780</u>	<u>2790</u>	<u>2790</u>	<u>Shale</u>
<u>2790</u>	<u>2800</u>	<u>2800</u>	<u>Shale</u>
<u>2800</u>	<u>2810</u>	<u>2810</u>	<u>Shale</u>
<u>2810</u>	<u>2820</u>	<u>2820</u>	<u>Shale</u>
<u>2820</u>	<u>2830</u>	<u>2830</u>	<u>Shale</u>
<u>2830</u>	<u>2840</u>	<u>2840</u>	<u>Shale</u>
<u>2840</u>	<u>2850</u>	<u>2850</u>	<u>Shale</u>
<u>2850</u>	<u>2860</u>	<u>2860</u>	<u>Shale</u>
<u>2860</u>	<u>2870</u>	<u>2870</u>	<u>Shale</u>
<u>2870</u>	<u>2880</u>	<u>2880</u>	<u>Shale</u>
<u>2880</u>	<u>2890</u>	<u>2890</u>	<u>Shale</u>
<u>2890</u>	<u>2900</u>	<u>2900</u>	<u>Shale</u>
<u>2900</u>	<u>2910</u>	<u>2910</u>	<u>Shale</u>
<u>2910</u>	<u>2920</u>	<u>2920</u>	<u>Shale</u>
<u>2920</u>	<u>2930</u>	<u>2930</u>	<u>Shale</u>
<u>2930</u>	<u>2940</u>	<u>2940</u>	<u>Shale</u>
<u>2940</u>	<u>2950</u>	<u>2950</u>	<u>Shale</u>
<u>2950</u>	<u>2960</u>	<u>2960</u>	<u>Shale</u>
<u>2960</u>	<u>2970</u>	<u>2970</u>	<u>Shale</u>
<u>2970</u>	<u>2980</u>	<u>2980</u>	<u>Shale</u>
<u>2980</u>	<u>2990</u>	<u>2990</u>	<u>Shale</u>
<u>2990</u>	<u>3000</u>	<u>3000</u>	<u>Shale</u>
<u>3000</u>	<u>3010</u>	<u>3010</u>	<u>Shale</u>
<u>3010</u>	<u>3020</u>	<u>3020</u>	<u>Shale</u>
<u>3020</u>	<u>3030</u>	<u>3030</u>	<u>Shale</u>
<u>3030</u>	<u>3040</u>	<u>3040</u>	<u>Shale</u>
<u>3040</u>	<u>3050</u>	<u>3050</u>	<u>Shale</u>
<u>3050</u>	<u>3060</u>	<u>3060</u>	<u>Shale</u>
<u>3060</u>	<u>3070</u>	<u>3070</u>	<u>Shale</u>
<u>3070</u>	<u>3080</u>	<u>3080</u>	<u>Shale</u>
<u>3080</u>	<u>3090</u>	<u>3090</u>	<u>Shale</u>
<u>3090</u>	<u>3100</u>	<u>3100</u>	<u>Shale</u>
<u>3100</u>	<u>3110</u>	<u>3110</u>	<u>Shale</u>
<u>3110</u>	<u>3120</u>	<u>3120</u>	<u>Shale</u>
<u>3120</u>	<u>3130</u>	<u>3130</u>	<u>Shale</u>
<u>3130</u>	<u>3140</u>	<u>3140</u>	<u>Shale</u>
<u>3140</u>	<u>3150</u>	<u>3150</u>	<u>Shale</u>
<u>3150</u>	<u>3160</u>	<u>3160</u>	<u>Shale</u>
<u>3160</u>	<u>3170</u>	<u>3170</u>	<u>Shale</u>
<u>3170</u>	<u>3180</u>	<u>3180</u>	<u>Shale</u>
<u>3180</u>	<u>3190</u>	<u>3190</u>	<u>Shale</u>
<u>3190</u>	<u>3200</u>	<u>3200</u>	<u>Shale</u>
<u>3200</u>	<u>3210</u>	<u>3210</u>	<u>Shale</u>
<u>3210</u>	<u>3220</u>	<u>3220</u>	<u>Shale</u>
<u>3220</u>	<u>3230</u>	<u>3230</u>	<u>Shale</u>
<u>3230</u>	<u>3240</u>	<u>3240</u>	<u>Shale</u>
<u>3240</u>	<u>3250</u>	<u>3250</u>	<u>Shale</u>
<u>3250</u>	<u>3260</u>	<u>3260</u>	<u>Shale</u>
<u>3260</u>	<u>3270</u>	<u>3270</u>	<u>Shale</u>
<u>3270</u>	<u>3280</u>	<u>3280</u>	<u>Shale</u>
<u>3280</u>	<u>3290</u>	<u>3290</u>	<u>Shale</u>
<u>3290</u>	<u>3300</u>	<u>3300</u>	<u>Shale</u>
<u>3300</u>	<u>3310</u>	<u>3310</u>	<u>Shale</u>
<u>3310</u>	<u>3320</u>	<u>3320</u>	<u>Shale</u>
<u>3320</u>	<u>3330</u>	<u>3330</u>	<u>Shale</u>
<u>3330</u>	<u>3340</u>	<u>3340</u>	<u>Shale</u>
<u>3340</u>	<u>3350</u>	<u>3350</u>	<u>Shale</u>
<u>3350</u>	<u>3360</u>	<u>3360</u>	<u>Shale</u>
<u>3360</u>	<u>3370</u>	<u>3370</u>	<u>Shale</u>
<u>3370</u>	<u>3380</u>	<u>3380</u>	<u>Shale</u>
<u>3380</u>	<u>3390</u>	<u>3390</u>	<u>Shale</u>
<u>3390</u>	<u>3400</u>	<u>3400</u>	<u>Shale</u>
<u>3400</u>	<u>3410</u>	<u>3410</u>	<u>Shale</u>
<u>3410</u>	<u>3420</u>	<u>3420</u>	<u>Shale</u>
<u>3420</u>	<u>3430</u>	<u>3430</u>	<u>Shale</u>
<u>3430</u>	<u>3440</u>	<u>3440</u>	<u>Shale</u>
<u>3440</u>	<u>3450</u>	<u>3450</u>	<u>Shale</u>
<u>3450</u>	<u>3460</u>	<u>3460</u>	<u>Shale</u>
<u>3460</u>	<u>3470</u>	<u>3470</u>	<u>Shale</u>
<u>3470</u>	<u>3480</u>	<u>3480</u>	<u>Shale</u>
<u>3480</u>	<u>3490</u>	<u>3490</u>	<u>Shale</u>
<u>3490</u>	<u>3500</u>	<u>3500</u>	<u>Shale</u>
<u>3500</u>	<u>3510</u>	<u>3510</u>	<u>Shale</u>
<u>3510</u>	<u>3520</u>	<u>3520</u>	<u>Shale</u>
<u>3520</u>	<u>3530</u>	<u>3530</u>	<u>Shale</u>
<u>3530</u>	<u>3540</u>	<u>3540</u>	<u>Shale</u>
<u>3540</u>	<u>3550</u>	<u>3550</u>	<u>Shale</u>
<u>3550</u>	<u>3560</u>	<u>3560</u>	<u>Shale</u>
<u>3560</u>	<u>3570</u>	<u>3570</u>	<u>Shale</u>
<u>3570</u>	<u>3580</u>	<u>3580</u>	<u>Shale</u>
<u>3580</u>	<u>3590</u>	<u>3590</u>	<u>Shale</u>
<u>3590</u>	<u>3600</u>	<u>3600</u>	<u>Shale</u>
<u>3600</u>	<u>3610</u>	<u>3610</u>	<u>Shale</u>
<u>3610</u>	<u>3620</u>	<u>3620</u>	<u>Shale</u>
<u>3620</u>	<u>3630</u>	<u>3630</u>	<u>Sh</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1880	1925	45	Argillite
1925	1975	50	Sand
1975	1981	6	Argillite
1981	1986	5	Oil Sand
1986	1988	2	Sand
1988	1975	13	Argillite
1975	1979	4	Red Sandy Shale
1979	2080	21	Argillite
2080	2095	15	Argillite & Red Rock
2095	2060	23	Argillite & Red Shale
2060	2085	25	Argillite & Red Rock
2085	2110	25	Argillite
2110	2115	5	Line
2115	2135	20	Brown Line
2135	2150	15	Grey Line
2150	2182	32	Line
2182	2185	3	Sand
2185	2200	15	Line
2200	2255	55	Sandy Line
2255	2310	55	Brown Line
2310	2315	5	Sand
2315	2335	20	Sandy Line
2335	2350	15	Line
2350	2365	15	Sandy Line
2365	2388	23	Line
2388	2395	7	Sand
2395	2410	15	Sandy Line
2410	2450	40	White Line
2450	2463	13	Line
	ID		

NOTE: Well drilled to ID 2463; Plugged back to 2160' - 55' ex cement;
10-28-53: Plugged back from 2160' to 1990' TRPD.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.