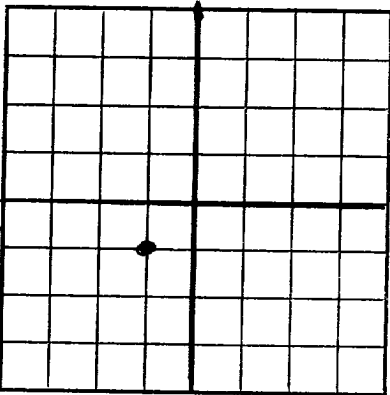




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DECEMBER 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Artesia
U. S. LAND OFFICE **LS-063642-A**
SERIAL NUMBER **86728**
LEASE OR PERMIT TO PROSPECT

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JAN 4 1960

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Sun Oil Company** Address **Box 2880, Dallas, Texas**
Lessor or Tract **Head-Federal** Field **(Unnamed)** State **New Mexico**
Well No. **1** Sec. **20** T. **19S** R. **31E** Meridian **NMPM** County **Eddy**
Location **1980** ft. **N** of **S** Line and **660.5** ft. **E** of **SW/4 of Sec. 20** Elevation **3435.50'**
(Derriek 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.

Date **December 28, 1959** Signed **D. A. [Signature]** Title **Area Superintendent**

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

Commenced drilling **November 26**, 19 **59** Finished drilling **December 3**, 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2086** to **2175** 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 **None** to _____ 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—	
8-5/8"	24.7	8R	LoneStr	579'	Larkin				
5-1/2"	11.7	8R	Yestwa	2214'	Baker		2099	2117	Prod. Oil
							2125	2146	Zone
							(2 JSPT)		
2" EUE	4.7#	8R	J&L	2074'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	590	180 - 12% Gel	Pump	12.5	192 Sacks
		100 - 4% Gel	Pump	14.2	
5-1/2"	2229	200	Pump	14.3	

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
Well not shot; Washed perf. w/250 gal. mud acid followed by 2 - 10,000 gal. sand frac. stages using Yates oil & 2 lbs. sand / gal.						

TOOLS USED

Rotary tools were used from **0** feet to **2229** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing **December 25**, 19 **59**

The production for the first 24 hours was **129.65** barrels of fluid of which **41** % was oil; _____ % emulsion, **59** % water; and _____ % sediment. Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. W. Phillips, Driller **H. N. High**, Driller
J. D. High, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	215	215	Surface Rock
215	430	215	Red Bed & Anhydrite
430	510	80	Anhydrite
510	609	99	Red Bed & Anhydrite
609	1698	1089	Anhydrite & Salt
1698	1728	30	Salt
1728	1955	227	Anhydrite & Salt
1955	2001	46	Anhydrite
2001	2068	67	Anhydrite & Lime
2068	2140	72	Lime
2140	2213	73	Lime & Sand
2213	2229	16	Anhydrite & Sand

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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.

Note: San Oil Company geologists at Roswell, New Mexico have submitted two copies

of Schlumberger - Sonic Log - - Tom Hansen - Temperature Survey, 3 copies are attached and 1 copy of Sonic Log is enclosed.