

U. S. LAND OFFICE Santa FeSERIAL NUMBER 223000

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Inter Oil Company Address 717 Meadows Building, Dallas, Tex.Lessor or Tract Featherstone Federal Field Wildcat State New MexicoWell No. 1-25 Sec. 25 T. 15 S. R. 20E Meridian 107W County ChavesLocation 1700 ft. N of center line and 1980 ft. E of east Line of Sec. 25 Elevation 3750
(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 W. S. SweeneyDate August 23, 1957Title Engineer

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

Commenced drilling Aug 3, 1957 Finished drilling Aug 27, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (0) 1328 to 1328 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 _____ to _____ No. 3, from _____ to _____

No. 2, from unknown 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--	
<u>4 1/2" OD</u>	<u>26</u>	<u>8</u>	<u>J-55</u>	<u>171.36'</u>	<u>none</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Surface Csg.</u>
<u>5 1/2" OD</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>1349'</u>	<u>guide</u>	<u>-</u>	<u>1316</u>	<u>1320</u>	<u>Long String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 1/2"</u>	<u>171.36'</u>	<u>100 w/2% CaCl₂</u>	<u>Pump & Plug</u>		<u>100 sacks 2% CaCl₂</u>
<u>5 1/2"</u>	<u>1349'</u>	<u>200 w/4% Gel</u>	<u>Pump & Plug</u>		<u>200 sacks 4% Gel</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length Two cc Depth plugs

Adapters—Material _____ Size _____

SHOOTING 2000-2020' (20 sacks) & 1390'-1490' (20 sacks)

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>none</u>						

TOOLS USED

Rotary tools were used from 0 feet to 2740 feet, and from _____ feet to _____ feet

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

DATES

_____, 1957 Put to producing Shut in gas well, 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 1369 MCF Gallons gasoline per 1,000 cu. ft. of gas NoneRock pressure, lbs. per sq. in. 600 SI

EMPLOYEES

_____, Driller _____, Driller

Shelro Drilling Co., Driller _____, DrillerLovington, N.M.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>85</u>	<u>85</u>	<u>Sand and shale</u>
<u>85</u>	<u>250</u>	<u>165</u>	<u>Anhyrite and redbeds</u>
<u>250</u>	<u>500</u>	<u>250</u>	<u>Salt</u>
<u>500</u>	<u>589</u>	<u>89</u>	<u>Anhyrite</u>
<u>589</u>	<u>730</u>	<u>141</u>	<u>Sand, redbeds & anhy</u>
<u>730</u>	<u>1312</u>	<u>582</u>	<u>Anhy & redbeds</u>
<u>1312</u>	<u>1800</u>	<u>488</u>	<u>Sand, redbeds & anhy</u>
<u>1800</u>	<u>2002</u>	<u>202</u>	<u>Sand, redbeds, anhy & dolo</u>
<u>2002</u>	<u>2740</u>	<u>738</u>	<u>Dolomite & anhy</u>
<u>2740 T.D.</u>			

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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 balling.

Spudded at 1:30 p.m., May 3, 1957. Drilled 11" hole to 176' set 8" OD at 173.68' w/100 wps 25 cwt. Treated BOP and surface casing 500'. Held o.k. - Drilled 7 7/8" hole to 274.0'. Set two cement plugs 2000'-2080' (20 wps) and 1390'-1790' (60 wps). Top plug did not hold. Reset top plug, set 100' Agarose plug 1765'-1565' and set 100' cement plug 1390'-1490' (60 wps 25 cwt). Found top of plug at 1312', drilled hard cement to 1390'. Set 5" OD casing at 1389' w/200 wps 45 gal (5-26-57). Perforated casing 1318'-1328' w/ 1/4" bullets per foot (40 holes). Flashed perforations 1318'-28' w/10,000 gallons Green oil and 15,000# 20-40 sand. Pumped total of 130 barrels oil. After well was treated, resulted in flowing gas of rate of 620 MCF (not corrected) per day. Removed 160 MHO (-270). Continued to treat well. Treated perforations 1318'-28' w/1000 barrels treated water. After treatment well resulted in flowing gas at rate of 1369 MCF (not corrected) per day. Total recovery of oil and water, 225 MHO (-205) and 475 MHO (-565). Well shut in and padlocked (8-20-57).