

U. S. LAND OFFICE Hobbs, New Mexico

SERIAL NUMBER **NM 03318**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Sec. 29
T-9-S
R-38-E
Lea County, New Mexico
SW/4 - SE/4 - Sec. 29

LOCATE WELL CORRECTLY

LOCATE WELL CORRELATION

Company **Western Drilling Company of Longview, Texas** Address **Box 1428, Odessa, Texas**

Lessor or Tract **Gulf Federal** Field **Sawyer San Andres State New Mexico**

Well No. **1** Sec. **29** T. **9S** R. **38E** Meridian **NMPM** County **Lea**

Location **660** ft. **(N. 1/4)** of **S** Line and **1980** ft. **(W. 1/4)** of **E** Line of **Sec. 29** Elevation **3941**
(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.

Date March 28, 1960

Title **Partner**

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

Commenced drilling February 2,-----, 19-~~60~~ Finished drilling February 18,-----, 19-~~60~~

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4898! to 5000! G 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. 2, from ----- to -----

No. 3, 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#	New	Beth Steel	3521	Halliburton	None	None	None	Surface casing
5-1/2"	24#	New	Beth Steel	5004	Halliburton	None	4246	4976	Oil string
							4901	4988	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	352'	235	Halliburton		Natural
5-1/2"	5024'	350	Halliburton	10.5	Brine water

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

TOOLS USED

Rotary tools were used from 0 feet to 5025 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing 3/6 - 3/7_____, 1960

The production for the first 24 hours was ~~60.41~~ barrels of fluid of which ~~85~~ % was oil; ----- % emulsion; ~~12~~ % water; and ~~3~~ % sediment. Gravity, °Bé. ~~27.6~~

If gas well, cu. ft. per 24 hours 1,709 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. **1575**

EMPLOYEES

~~EMPLOYEES~~

Joe L. Martin -----	Driller	Roy L. Davis -----	Driller
Bob Barker -----	Driller	-----	Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Red Clay & Sand
20	182	162	Surface Rock & Sand
182	338	156	Sand & Shale
338	367	29	Shale
367	825	458	Shale, Red Bed
825	2049	1224	Red Bed, Shale & Shells
2049	2223	174	Shale & Sand
2223	2445	222	Anhydrite & Red Bed
2445	2830	385	Anhydrite, Red Bed, Shells & Gyp
2830	2973	143	Anhydrite & Gyp
2973	3582	609	Anhydrite, Gyp & Salt Stks.
3582	3880	298	Anhydrite & Gyp
3880	4046	166	Anhydrite, Lime & Gyp
4046	4100	54	Anhydrite
4100	4177	77	Anhydrite & Gyp
4177	4270	93	Anhydrite, Gyp & Shale
4270	4417	147	Anhydrite, Shale & Lime
4417	4505	88	Lime
4505	4559	54	Lime & Shale

AT THE END OF THE SECTION
 LOCAL AND REGIONAL
 WHETHER FROM

AT THE END
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WHETHER FI

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
4559	4608	49	Lime & Dolomite
4608	4919	311	Lime
4919	4950	31	Lime & Dolomite
4950	4976	26	Lime
4976	5025	49	Lime & Dolomite
5025 Total Depth			
GEOLOGICAL TOPS PICKED FROM LOGS			
Top Rustler			
Top Yates			
Top San Andres			
Top San Andres porosity			
2600			
2912			
4184			
4898			
Core #1			Lime
Core #2			Lime & Dolomite
Core #3 (4950-4976)			Lime
Core #4 (4976-5000)			Lime & Dolomite
Core #5 (5000-5025)			Lime

HISTORY OF OIL OR GAS WELL

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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.

See attached well history