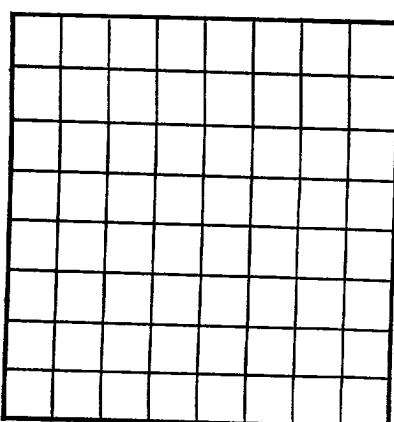




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SEP 22 1966

U. S. G. C.
ARTESIA, OREGON

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE

SERIAL NUMBER

NM058327

LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sun Oil Company Address Box 2792, Odessa, Texas
Lessor or Tract San Augustin Plains Field Wildest State New Mexico
Well No. UT #1 Sec. 29 T. 38 R. 9W Meridian _____ County Catron
Location 860 ft. N. of S Line and 660 ft. E. of W Line of Sec. 29 Elevation 7054.1 Gr.

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 9-2-66 Signed J. E. Edman Title Area Superintendent

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

Commenced drilling 3-12-66, 19____ Finished drilling 6-19, 1966

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ 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 293' to 297' 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	48	ER	Lone Star	500.15	Hewes	none			
9 5/8	36	ER	ditto	5377.30	Hewes	none			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	515.00	300	pump	12.1	
9 5/8	5390.00	400	pump	13.0	

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 0 feet to 12,284 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

SEE BACK OF FORM FOR PLUGGING RECORD

Put to producing _____, 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. L. Deere, Driller H. L. Winger, Driller
M. L. Bean, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	233	233	Surface Rock
233	1009	776	Gravel and sand
1009	1208	199	Volcanic Lava
1208	1409	201	Sandstone volcanic quartz chert
1409	1565	156	Vole. quartz chert
1565	1631	66	Vole. quartz
1631	1994	363	Basalt
1994	2434	440	Vole. lava and basalt
2434	3036	602	Vole. tuff
3036	3219	183	Vole. fill and lime
3219	3413	194	Vole. fill, siltstone, lime
3413	4937	1524	Vole. fill, and xline
4937	5218	281	Red bed, sand and anhydrite
5218	5446	228	Dolomite siltstone
5446	5635	189	Red bed and sand
5635	5874	239	Vole. lava
5874	6118	244	Vole. lava and red shale
6118	6518	400	Vole. rock and red shale
6518	6810	292	Red vole. shale, pen blown lime and volc. sand
6810	7594	784	Sand and shale
7594	7842	248	Shale, sand and tuff volcanic
7842	7929	87	Dark gray limey shale
7929	7982	53	Hard gray green sand (quartzite)
7982	8026	44	quartz and shale
8026	8133	107	Shale, gray and green

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
8133	8543	410	Lime
8543	8667	124	Limestone and sand
8667	8963	296	Limestone and shale
8963	9085	122	Dolomite and shale
9085	9176	91	Shale, sand and lime
9176	9256	80	Sandstone and shale
9256	9356	100	Dolomite
9356	9436	80	Shale, lime and dolomite
9436	9563	127	Sand and shale
9563	9632	69	Sand
9632	9692	60	Sand, shale and shaly lime
9692	9750	58	Dolomite and lime
9750	10027	274	Sand
10027	10100	73	Sandstone and silt
10100	10247	147	Quartzite sand
10247	10304	57	Red shale
10304	11317	910	Hyolite
11317	11800	483	Quartzite
11800	12027	227	Red sandy shale
12027	12132	105	Shale and lime
12132	12171	39	Red shale
12171	12192	21	Shale and lime
12192	12267	75	Granite

FORMATION RECORD

EXPLORERS

DATE

TOOL USED

LOGS MADE

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, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Plugged well as follows:

50 sks also set - 12,000-12,100
50 sks also set - 9,900-10,000
75 sks, interior 8,200 - 8,250
50 sks, interior 6,950 7,050
75 sks, interior 5320-5400

Plugging completed 6-23-66. Removed BOP and casing spool. 5390' at 9 5/8" OD casing left in well and bradenhead left on. Casing of lines installed 9 5/8" x 6" average, 64, 3500' test valve and 6" built plug. Well released to New Mexico School of Mines for use as a temperature and seismology station.

7" data was welded on top of water well. Water well released to Bureau of Land Management (US). Notes: Well is not yet ready for final inspection.

Log of this well will be sent to you by Santa Fe Oil Co.

LOG OF OIL OR GAS WELL

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20250

SEP 3 5 1966

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