

U. S. LAND OFFICE

SERIAL NUMBER LC 071985

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company George L. Buckles Company Address P. O. Box 387 - Monahans, Texas
Lessor or Tract Elliott-Federal Field El Mar (Delaware) State New Mexico
Well No. 2 Sec. 34 T. 26-S R. 32-E Meridian NMPM County Lea
Location 1016 ft. N. of N Line and 330 ft. W. of E Line of Section 34 Elevation 3111 *
(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 October 26, 1959 Signed Robert M. Orr (Robert M. Orr)
Title Chief Engineer

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

Commenced drilling October 6, 1959 Finished drilling October 18, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4448' to 4548' 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 _____ 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	24.00	8		301	Larkin				Completion
4-1/2	9.50	8		4547	Larkin		4458	4480	
2-3/8	4.70	8		4436					Completion

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	301	200	Plug		Circulated
4-1/2	4547	125	Plug		Circulated

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 Surface feet to 4548 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 26, 1959 Put to producing October 20, 1959

The production for the first 24 hours was 64.78 barrels of fluid of which 100% was oil; 2/10% emulsion; 0% water; and 0% sediment.

Gravity, °Bé. 42.8

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Kit Stewart, Driller Gene Davis, Driller
Homer Moore, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	50	50	Sand & Gravel
50	460	410	Red Bed
460	1170	710	Anhydrite & Shale
1170	2790	1620	Anhydrite & Salt
2790	3021	231	Anhydrite
3021	3420	399	Anhydrite & Salt
3420	3683	263	Anhydrite
3683	3888	205	Anhydrite & Salt
3888	3988	100	Anhydrite & Lime
3988	4224	236	Anhydrite & Salt
4224	4411	187	Anhydrite & Lime
4411	4450	39	Black Lime
4450	4497	47	Sand
4497	4526	29	Sand & Shale
4526	4548	22	Black Sandy Shale

Log Measurements

Top of Delaware Line 4411
Top of Delaware Sand 4450

AT THE END OF COMPLETE DRILLER'S LOG ADD GEOLOGIC TOPS. STATE WHETHER FROM DL OR SAMPLES.

FORMATION RECORD—Continued

[illegible]

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.

Copy of Log, Core Analysis and Cement Log attached. Acidized with 350 gallons of mud acid. Fractured with 1000 gallons of lease crude with 1000 lbs. of 20-40 sand.

Depth	Deviation	Depth	Deviation
2362	10	4180	10
2099	10	4117	3-1/4
1916	3/4	4024	2-3/4
1735	3/4	3865	2-1/4
1517	3/4	3683	1-1/4
1272	3/4	3501	10
1056	3/4	3316	3/4
874	3/4	3132	1-1/4
687	3/4	3009	20
471	1/20	2791	1-1/4
292	1/20	2606	1-1/4
174	Deviation	2606	Deviation