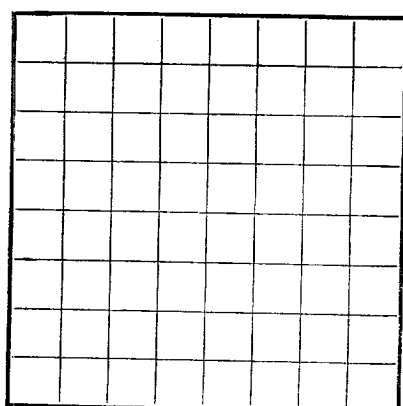


U. S. LAND OFFICE

SERIAL NUMBER **LC 071985**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **George L. Buckles Company** Address **P. O. Box 56 - Monahans, Texas**
Lessor or Tract **Elliott-Federal** Field **El Mar - Delaware** State **New Mexico**
Well No. **3** Sec. **27** T. **26-S** R. **32-E** Meridian **NMPM** County **Lea**
Location **330** ft. **N** of **S** Line and **330** ft. **W** of **E** Line of **Section 27** Elevation **3119**
(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 **Robert M. Orr** (Robert M. Orr)Date **December 22, 1959**Title **Chief Engineer**

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

Commenced drilling **November 29**, 19**59** Finished drilling **December 12**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4450** to **4476** 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	Regular	-	-	-	Completion
4-1/2	9.50	8	-	4549	Larkin	-	4456	4474	
2-3/8	4.70	8	-	4447	-	-	-	-	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	301	150	Plug		Circulated
4-1/2	4549	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 **4550** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 22, 19**59** Put to producing **December 16**, 19**59**

The production for the first 24 hours was **121** barrels of fluid of which **100%** was oil; % emulsion; % water; and **2/1%** sediment.

Gravity, °Bé. **40.8**If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in.

EMPLOYEES

Ward, Driller **Cummings**, Driller
Bundick, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	65	65	Sand Stone
65	308	243	Bed Bed
308	627	319	Gray Shale & Anhydrite
627	805	178	Blue Shale
805	1918	1113	Anhydrite & Shale
1918	2636	718	Anhydrite & Salt
2636	3010	374	Anhydrite & Gypsum
3010	3030	20	Salt
3030	3426	396	Anhydrite & Salt
3426	3690	264	Anhydrite
3690	3730	40	Anhydrite & Gypsum
3730	3886	156	Anhydrite & Salt
3886	3920	34	Anhydrite & Gypsum
3920	4030	110	Anhydrite
4030	4196	166	Salt
4196	4419	223	Anhydrite
4419	4450	31	Black limy Shale
4450	4550	100	Sand & Shaly Sand

Top of Delaware **4419'**Top of Delaware Sand **4450'**

All measurements from ground elevation of **3110'** END OF COMPLETE DRILLING LOG. ADD GEOLOGIC TOPS. STATE WHETHER FROM EL 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 well with 400 gallons of mud acid. Pressured with 1000 gallons of lease crude and 1000 lbs. of 20/40 sand.

Depth	Deviation
1-3/4	172
1-3/4	308
1-1/2	422
3/4	632
3/4	817
1-1/2	942
1-1/4	1160
1-1/2	1345
1-3/4	1467
1-1/2	1683
1-1/4	1870
1-3/4	1965
1-1/4	2151
1-3/4	2368