Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE _____
SERIAL NUMBER LC 071985
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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. {E.} 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)

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, 1959 Finished drilling December 12, 1959

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 From—	Perforated To—	Purpose
8-5/8	24.00	8	-	301	Regular	-	-	-	Completion
4-1/2	9.50	8	-	4549	Larkin	-	4456	4474	Completion
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, 1959 Put to producing December 16, 1959

The production for the first 24 hours was 121 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and 2/10% 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

Lundick, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	65	65	Sand Stone
65	308	243	Red 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'.

IF END OF COMPLETE DRILLERS LOG, ADD GEOLOGIC TOPS. STATE WHETHER FROM EL OR SAMPLES.

FOLD | MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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, 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. Fractured with 1000 gallons of lease crude and 1000 lbs. of 20/40 sand.

Depth	Deviation	Depth	Deviation
172'	1/4°	2552'	1-3/4°
308'	1/4°	2667'	1-3/4°
422'	1/4°	2863'	1-1/2°
632'	1/2°	3018'	3/4°
817'	1-1/4°	3142'	3/4°
942'	3/4°	3295'	1-1/2°
1160'	1-1/2°	3326'	1-1/4°
1345'	1-3/4°	3389'	1-1/2°
1467'	1-1/2°	3513'	1-3/4°
1683'	1-1/2°	3573'	1-1/2°
1870'	2 °	3727'	1-1/4°
1965'	2 °	3911'	1-3/4°
2151'	1-3/4°	4036'	1-1/4°
2368'	1-3/4°		