

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **NM 04686-A**

LEASE OR PERMIT TO PROSPECT

RECEIVED

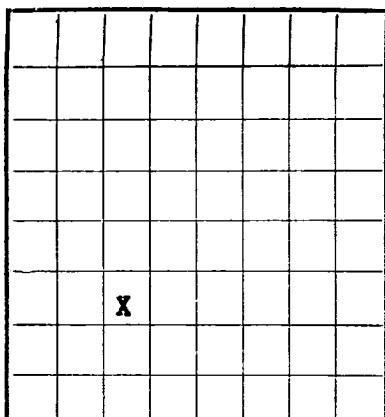
JUL 10 1963

UNITED STATES

DEPARTMENT OF THE INTERIOR

O. C. C.
ARTESIAL OFFICE

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Field: *** Indian Basin (Upper Penn)(Morrow)**Company **Ralph Lowe** Address **Box 832, Midland, Texas**Lessor or Tract **Indian Basin B** Field ***** State **New Mexico**Well No. **1** Sec. **14** T. **21-S** R. **23-E** Meridian **NMPM** County **Eddy**Location **1650ft. [N.] of S Line and 1650ft. [E.] of W Line of Section 14** Elevation **3824**
(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 **F. J. Murray**Date **July 10, 1963**Title **Agent**

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

Commenced drilling **12-28**, 19 **62** Finished drilling **2-27**, 19 **63**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **746 1/4** to **7548** No. 4, from _____ to _____No. 2, from **9457** to **9484** No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **220** to **300** No. 3, from **550** to **1180**No. 2, from **350** to **440** 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—	
9 5/8	36	8	Lone Star	1890	Halliburton				
7	26	8	J&L	1800	Halliburton				
7	23	8	J&L	1626	Halliburton				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	1890	1100 Sks	Pump		Hole full
7	9426	775 Sks	Pump		Hole full

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 _____ feet to **9600** feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing **Well shut-in**, 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

G. W. Millard, Driller **D. L. Byran**, Driller**G. E. Muse**, Driller _____, Driller

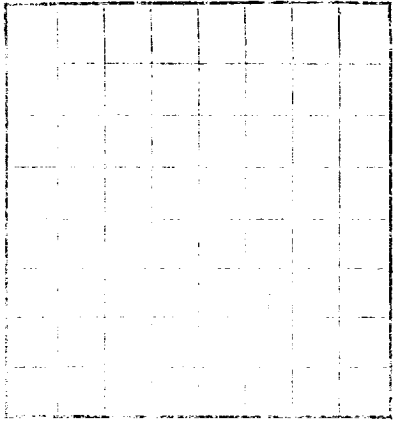
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	173	173	FG Dolo.&Anhy Ss., Anhydrite & Tan, Mkr oX Anhy. Dol.
173	560	387	Buff-Tan MicroX Sl. Sndy Porous Dol.
560	2132	1582	Dol. as above w/Med Brn FX Cherty Ls in Lower 600'.
2132	3135	1003	Gry VF Gr. Dolo. Ss to Lt. Brn. FX Dol.
3135	5754	2619	Lt. Gry. VF Gr. Dol. Hard Ss & Dk. Brn. Shly. Dol. Ls.
5754	6118	364	Gry-Brn. F-VF Gr. Ss.
6118	7442	1324	Gryish Grn.-Brn.-Blk Sh & Dk Brn. Foss.
7442	7562	120	Frag. Shly Dns Ls.
7562	8124	562	Tax FX-Chlky Foss. ReX Ls-Wht. to Tan CsX Dol.
8124	8560	436	Dol. as above-Drk Red Sh-Drk Brn VFX Shly Dns. Ls.
8560	8712	152	Ls. as above-Drk Gry Sh-Wht. Grn. Med Gr. Tite Ss.
8712	9047	335	Dk. Gry Homog. FX Silic Ls.
9047	9540	493	Dk. Gry FX-Shly Ls & Dk Gry Sh.
9540	9600 (TD)	60	Brn. Dol. Ls & Dk Gry Sh. & Clear F-Cs Gr. Ss. Dk. Gry Fnlly Micac. Soft Sh.

OVER FOR TOPS

[OVER]

16-43094-3



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

(To be filled in by the operator of the well)

Company: _____
Location: _____
Well No.: _____
The information given here is a complete and correct record of the well and all work done on it from the time it was first drilled to the time it was last worked. It is to be kept in the well and made available to all who are interested in the 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

OIL OR GAS RINGS OR RINGS

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____
No. 5 from _____
No. 6 from _____
No. 7 from _____
No. 8 from _____
No. 9 from _____
No. 10 from _____

IMPORTANT DATA

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____
No. 5 from _____
No. 6 from _____
No. 7 from _____
No. 8 from _____
No. 9 from _____
No. 10 from _____

CASING RECORD

Size of casing _____
Length of casing _____
Date of casing _____
Casing material _____
Casing condition _____

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION	FORMATION
173	560	173	Grayburg	Grayburg
560	2132	560	San Andres	San Andres
2132	3135	2132	Glorietta	Glorietta
3135	5754	3135	Upper Bone Springs	Upper Bone Springs
5754	6118	5754	Lower Bone Springs	Lower Bone Springs
6118	7442	6118	Wolcamp	Wolcamp
7442	7562	7442	Clago	Clago
7562	8124	7562	Canyon	Canyon
8124	8560	8124	Strawn	Strawn
8560	8712	8560	Lower Strawn	Lower Strawn
8712	9047	8712	Aloka	Aloka
9047	9540	9047	Wolcamp	Wolcamp
9540		9540	Barnett	Barnett

GEOLOGICAL TOPS

FORMATION RECORD—Continued