Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 04686-A
LEASE OR PERMIT TO PROSPECT

RECEIVED
JUL 1 3 1963
O. C. C.
ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
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 1650 ft. {N.} of S Line and 1650 ft. {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 [signature]

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 7464 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 From—	Perforated To—	Purpose
9 5/8	36	8	Lone Star	1890	Halliburton				
7	26	8	Lone Star	3800					
7	23	8	Lone Star	9626	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

FOLD | MARK

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 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

C. E. Muse, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	173	173	FG Dolo.&Anhy Ss.,Anhydrite & Tan, MicroX 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.Dolo.Ls.
5754	6118	364	Gry-Brn.F-VF Gr. Ss.
6118	7442	1324	Gryish Grn.-Brn.-Blk Sh & Dol Brn.Foss. Frag. Shly Dns Ls.
7442	7562	120	Tan FX-Chlky Foss. ReX Ls-Wht. to Tan CsX Dol.
7562	8124	562	Dol. as above-Drk Red Sh-Drk Brn VFX Shly Dns. Ls.
8124	8560	436	Ls. as above-Drk Gry Sh-Wht.Grn,Med Gr.Tite Ss.
8560	8712	152	Dk. Gry Homog. FX Silic Ls.
8712	9047	335	Dk. Gry FX-Shly Ls & Dk Gry Sh.
9047	9540	493	Brn.Dol.Ls & Dk Gry Sh.&Clear F-Cs Gr. Ss.
9540	9600 (TD)	60	Dk.Gry Fnly Micac. Soft Sh.

OVER FOR TOPS

FORMATION RECORD—Continued

FROM--	TO—	TOTAL FEET	FORMATION
			GEOLOGICAL TOPS
		173	Grayburg
		560	San Andres
		2132	Glorietta
		3135	Upper Bone Springs Ss.
		5754	Lower Bone Springs Ss.
		6118	Wolfcamp
		7442	Cisco
		7562	Canyon
		8124	Strawn
		8560	Lower Strawn Lime
		8712	Atoka
		9047	Morrow
		9540	Barnett

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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.