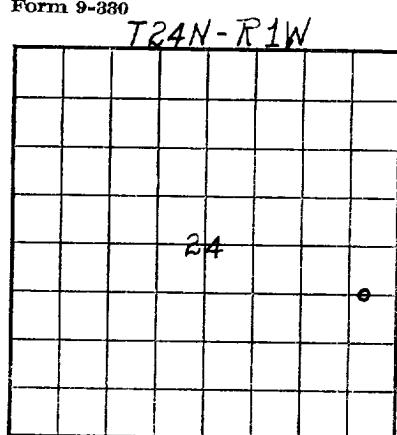


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **N.M.03453**
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**

NOV 2 1954

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **Reading and Bates, Inc.** Address **1502 Philtower Bldg., Tulsa 3, Okla.**
Lessor or Tract **Federal - Duff** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **24** T. **24N** R. **1W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1980** ft. {^{N.}_{S.}} of **8** Line and **500** ft. {^{E.}_{W.}} of **E** Line of **Sec. 24** Elevation **7185'**
(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 _____

Date **May 26, 1954**Title **Ass't. Secretary-Treasurer**

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

Commenced drilling **March 3**, 19 **54** Finished drilling **May 20**, 19 **54****OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from _____ to _____ 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—	
9 5/8"	32"		Spang	213'					Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERSHeaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USEDRotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **- 0 -** feet to **T.D.** feet, and from _____ feet to _____ feet**DATES**_____, 19____ Put to producing **Dry**, 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**_____, Driller _____, Driller
_____, Driller _____, Driller**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
- 0 -	220'		Sand Stone
220'	1555'		Shale
1555'	2803'		Sand & Shale - 2560' Top Lewis Shale
2803'	3500'		Shale
3500'	3700'		Sandy Shale
3700'	3820'		Sand, Lime & Shale
3820'	4650'		Sandy Shale, 4465' Top Mesa Verde-DST-#1-4545'
			Tool open 1 hr., 30 min. shut. Fair blow 10 min. Weak blow 50 min. Received 90' gas cut mud & water 1260' gas cut water. IFP200; FFP675; HI2450; H0 2475.
4650'	5175'		Sandy Shale. 5035' Top Mancos Shale
5175'	5900'		Sandy Shale
5900'	6250'		Sand, Shale, Some Lime. -DST-#2-6210' to 6246'
			Tool open 30 min., shut in 15 min. Received 5' drilling mud HPI-3200; HPO3150; all other pressures 0.
6250'	7000'		Shale & Limeston. -DST-#3-6852' to 6924'. Tool open 30 min. closed 15 min. Received 70' gas cut mud. HI3825; H03625.
7000'	7400'		Sand & Shale - 7110' Top Greenhorn Lime. 7340' Top Dakota
7400'	8453'		Sand & Shale- DST-#4-8405' to 8410'. Tool open 45 min., closed 15 min. weak flow for 4 min. then stopped. Received 8' mud & water

(OVER)

16-43094-2

FOLD | MARK

FROM—	TO—	TOTAL FEET	FORMATION
			7485' Top Morrison Formation
			8360' Top Toddlito
			8432' Top Entrada Formation
			PLUGGED & ABANDONED MAY 24, 1954
			Well P & A with following listed operations.
			Cement plugs at following depths.
	8300	8453	
	7500	7600	
	7000	7250	
	6350	6500	
	6500	6750	
	5100	5200	
	4350	4500	
	2500	2600	
	2200	2300	
	1000	1150	
	600	800	
			Cement plug and marker in top of surface casing.
			Pits, cellar and reserve backfilled and levelled.

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.