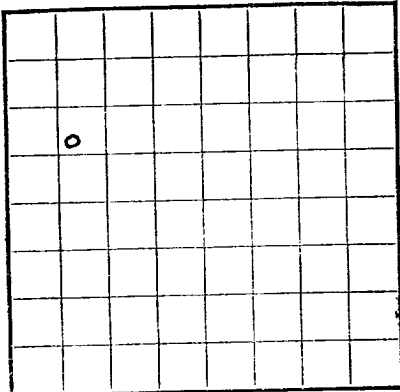


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **028978 (b)**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED
JAN 22 1962
RECEIVED
JAN 12 1962
UNITED STATES
DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

JAN 19 1962

LOG OF OIL OR GAS WELL

Company **Reading and Bates, Inc.** Address **1101 Philtower Building**
Lessor or Tract **Simms** Field **N. Benson** State **New Mexico**
Well No. **3** Sec. **34** T. **18S** R. **30E** Meridian **N. M. P. M.** County **Eddy** **3446 Gr**
Location **1820** ft. **N** of **N** Line and **820** ft. **E** of **W** Line of **Sec. 34** Elevation **3457**
(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 **D. L. Potter** Title **Explorion Geologist**
Date **December 28, 1961**

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

Commenced drilling **December 12, 1961** Finished drilling **December 20, 1961**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2943** to **2972** No. 4, from _____ to _____
No. 2, from **3060** to **3082** 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 foot	Depth set	Amount of cement	Method used	Mud gravity	Amount of mud used	Purpose
8 5/8"	24	8	575	250	Hall pump	-	Hole Full	Acid & Treatment
4 1/2"	9.5	8	3132	300	Track	9.5	Hole Full	Joint float shoe

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	575	250	Hall pump	-	Hole Full
4 1/2"	3132	300	Track	9.5	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 **surface** feet to **3142 Gr** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 8, 19 **62** Put to producing **January 1**, 19 **62**
The production for the first 24 hours was **240** barrels of fluid of which **100%** was oil; **0%**
emulsion; **0%** water; and **0%** sediment. Gravity, °Bé. **37.2**
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	300		Red beds and sand
300	585		Rustler
585	1580		Anhydrite and shale
1580	2001		Salt THE END OF COMPLETE DRILLING
2001	2120		Anhydrite and shale
2120	2826		Yates
2826	2870		Sand and dolomite
2870	2943		Anhydrite, dolomite and interbedded
2943	2972		red and grey shale
	3060		Queen
			Red, white and grey sand. Some oil
			saturation - tight silty
			Dolomite with some anhydrite
			Middle Queen
			Reddish brown and grey fine grained
			porous oil saturated sand
			Buff to grey dense dolomite and anhydrite

LOUVE EEL

LOUVE EEL

ON RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
3060	3082	3082	Penrose Grey to buff and reddish fine grain sand and silty sand. Oil saturation in porous zones
3082	3142	3142	Dense grey dolomite E. Log Top (BA) Reference 3446 Ground Rustler 300 Salt 585 Yates 2001 Queen 2826 Penrose 3060 T.D. 3142 + 304 + 386 + 620 + 1445 + 2861 + 3146
			FORMATION RECORD
			EXPLANATIONS
			DATES
			TOOLS USED
			SPERMAL OIL RECORD
			LOGS AND LOGGERS
			MULTIPLE AND EXPLANATORY RECORD

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there are 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 the test for water, state kind of material used, position, and results of pumping or bailing.

Drilled to 600 feet. Ran 575' 8 5/8" new and used casing set at 575 CE with 250 sacks regular cement 25# Gilsomite per sack and 2% CaCl. Drilled to T.D. 3150 Ran 3132' 4 1/2" 9.55 new casing set at 3132 Ground with 300 sacks 50-50 Pozmix 2% Cel. Top cement 1525. Fraced with 9,450 gal. lease crude 14,273# sand. 1st stage. 7,455 gals oil, 3727# sand 2nd stage. Min. pressure 2700 Max. pressure 3500. Flowed 240 BOPD on 24/64" choke.

LOG ON OIL OR GAS WELL

ARIZONA NEW MEXICO
U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR

JAN 1 1934
UNITED STATES