

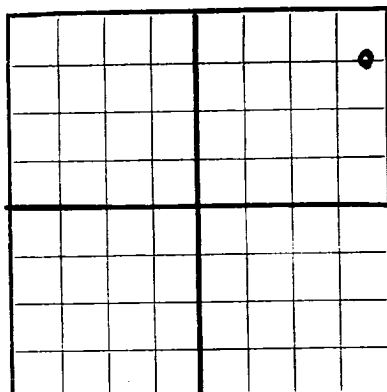
New Mexico

U. S. LAND OFFICE **NM-058677-B**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

HOBBS OFFICE O. C. C.

APR 7 9 01 AM '64
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company **Charles B. Read** Address **P. O. Box 1822, Roswell, N. M.**
Lessor or Tract **21 8S 36E** Field **S. Prairie Penn** State **New Mexico**
Well No. **1** Sec. **21** T. **8S** R. **36E** Meridian **N. M. P. M.** Section **21** **4117' KB**
Location **660'** ft. **S.** of **X** Line and **330** ft. **E.** of **W.** Line of **E** Elevation **4117' KB**
(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.

Date **February 25, 1964** Signed **Charles B. Read** Title **Operator**

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

Commenced drilling **November 19**, 19**63** Finished drilling **December 23**, 19**63**

OIL OR GAS SANDS OR ZONES **NOTED**
(Denote gas by G)

No. 1, from _____ to _____ No. 4, from **APR. 1 1964** to _____
No. 2, from _____ to _____ No. 5, from **GORDON** 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—	
11-3/4	42	8R	J&L	354'	Hal.	724'			Surface
8-5/8	24	8R	J-55	2500'	Hal.				Intermediate
8-5/8	32			1616'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11-3/4	354'	350sx	Circulated	-	-
8-5/8	4112'	400 sx	pump & plug	-	-

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 **9700** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 23, 19**63** Put to producing **P/A Feb. 25**, 19**64**

The production for the first 24 hours was **(none)** barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **(none)** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Marcum Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2254'	2254'	Caliche and red beds
2254'	2320'	66'	Anhydrite and red beds
2320'	2810'	490'	Salt and anhydrite
2810'	4098'	1288'	Anhydrite
4098'	7763'	3665'	Lime
7763'	8852'	1089'	Shale
8852'	9421'	569'	Lime and shale
9421'	9734'	313'	Lime and shale
TOPS:			
Elevation (GL)	4104.6'		
Elevation (KB)	4117'		
T/Rustler	2254'		
T/Salt	2320'		
B/Salt (T/Yates)	2810'		
T/San Andres	4098'		
T/Glorietta	5507'		
T/Tubb	6932'		
T/Abo	7763'		
T/Wolfcamp	8852'		
T/Bough "C"	9671'		
TD	9734'		

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			DEVIATION SURVEYS
			Depth
			Degrees
		350'	1/2
		850'	3/4
		1350'	1
		1815'	3/4
		2315'	3/4
		2820'	1-1/4
		3485'	1-1/4
		3900'	1
		4212'	1/4
		4500'	1/4
		4876'	0
		5340'	3/4
		5815'	1-1/4
		6215'	1-1/4
		6854'	2
		7220'	3/4
		7550'	1
		8145'	1/2
		8642'	1/4
		8829'	1
		9150'	1/4

I do hereby certify that the above information was furnished by Marcum Drilling Company and is true and complete to the best of my knowledge.

Subscribed and sworn to before me this 25th day of February, 1964.

Notary Public in and for Chaves County, N. M.
My Commission Expires: June 10, 1967

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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. Plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. Core #1 - 9613-9714, very tight, shaley, no shows. Core #2 - 9718-9734, very tight, shaley, no shows. Ran electric logs to total depth at 9734'. Log analysis indicated possible 2 ft. of 4% porosity in the Bough "C" formation which was extremely tight and shaley and not sufficient to establish commercial production. Bough "D" formation carried water.

Well was plugged and abandoned on February 25, 1964.

Shot off casing at 1400', 1320', 1200', 1000', 900', and 820'. Tried to pull casing after each shot with hydraulic jacks and casing did not move. Shot off casing at 724', jacked out 2 ft., and casing started to move. Pulled remaining casing from well. Ran cement plugs as follows:

- 35 ex 650' - 750'
- 35 ex 300' - 400'
- 35 ex surface to 75'

Heavy mud spotted between all plugs. Recovered a total of 724' 8.5/8" casing. Installed dry hole marker inscribed as follows:

Charles B. Read #1 Bate
NE 1/4 21-85-36E

Mud pits covered and location leveled and cleaned. Ready for inspection.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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HEBES 201 15 01 C.C.