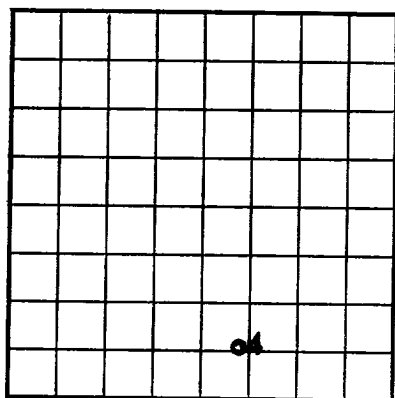


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **060811**
LEASE OR PERMIT TO PROSPECT _____

Form 9-330



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NOV 15 1954
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Neville G. Penrose, Inc.** Address **1813 Fair Building, Ft. Worth, Texas**
Lessor or Tract **Union Federal** Field **Dickey-Queen** State **New Mexico**
Well No. **4** Sec. **15** T. **14** R. **31** Meridian **NMPM** County **Chaves**
Location **660** ft. ^[N.] of **S** Line and **1980** ft. ^[W.] of **E** Line of **Section 15** Elevation **4424 DF**
(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 **November 3, 1954** Signed *John E. M. Naughton* Title **Engineer**

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

Commenced drilling **October 3**, 19**54** Finished drilling **October 27**, 19**54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3083** to **3087** 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—	
12-3/4	45.5	10	Perkins	1402	Perkins	1402	1402	1402	Production
8-7/8	28	8	Perkins	3083	Perkins	3083	3083	3083	Production
7	20	8	Perkins	3087	Perkins	3087	3087	3087	Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12-3/4	280	200	Perkins	-	
7	3075	125	"		

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
none						

TOOLS USED

Rotary tools were used from **0** feet to **1402** feet, and from _____ feet to _____ feet
Cable tools were used from **1402** feet to **TD** feet, and from _____ feet to _____ feet

DATES

Put to producing **11-7**, 19**54**
The production for the first 24 hours was **63** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **36**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Cactus Drilling Co., Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	280	280	Red beds and sand
280	1395	1115	Red beds
1395	1518	123	Anhydrite
1518	2153	635	Salt
2153	2310	157	Anhydrite with stringers/salt and shale
2310	2440	130	Sand, anhydrite, with shale
2440	3083	643	Anhydrite with sand, salt, shale
3083	3087	4	Oil sand
LEOM—	LO—	LOLYT FEEL	LOEWY LION

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

Plugged. _____
 ON OR GAS SANDS OR ZONES _____
 Commenced drilling _____
 October 3, 1934 _____
 Finished drilling _____
 October 17, 1934 _____
 The summary on this page is for the condition of the well at above date.

Well was sandfract with 8,000 gallons of water and 1000' sand. Formation
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____
No. 3, from _____ to _____
No. 2, from _____ to _____
No. 1, from _____ to _____
up O.K. This is first well completed with a leak oil fracture treatment that has
(Remote has in G)

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

MUDPIPING AND CEMENTING RECORD

Size casting	Where set	Number sacks of cement	Mortar used	Mud gravity	Amount of mud used
16-	200		100 lbs.		
7	200				

PLUGS AND ADAPTERS

[illegible]

TOOLS USED

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

DATE

Rock pressure, lbs. per sq. in.		19
It gas well, cu. ft. per 24 hours		
% water; and		
% sediment.		
Gravity, °Bé.		
Gallons gasoline per 1,000 cu. ft. of gas		
barrels of fluid of which 100 % was oil;		
Put to producing		19

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

FORMATION	TOTAL FEET	TO—	FROM—
Red beds and sand	100	100	0
Red beds	111	209	280
Argillite	120	329	189
Sand	200	529	329
Argillite with stromatolite and shale	127	656	529
Sand, argillite, with shale	200	856	656
Argillite with sand, with shale	200	1056	856
Silt sand	4	1060	1056
FORMATION	TOTAL FEET	TO—	FROM—

FORMATION RECORD—Continued