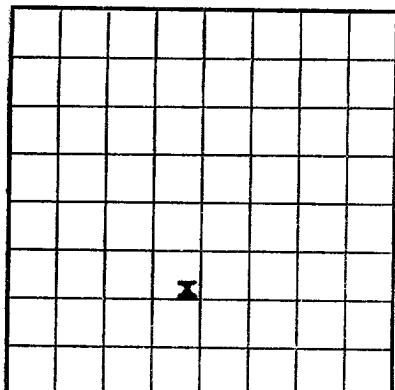


U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **029342 (a)**  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**LOG OF OIL OR GAS WELL**

**30-015-04247**

Company **M.A. Woolley** Address **Box 398, Loco Hills**  
Lessor or Tract **Same** Field **Pen-Art.** State **New Mexico**  
Well No. **Ma Intyre 4-A** Sec. **21** T. **17** R. **30** Meridian **N.M.P.M.** County **Eddy**  
Location **1650** {N.} of **S** Line and **2310** {E.} of **W** Line of **Sec. 21** Elevation **3645'**  
(Derives floor relative to M.S.L.)

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 **J. L. Bruce**  
Title **Supt**

Date

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

Commenced drilling **July 10**, 19 **52** Finished drilling **July 14**, 19 **52**

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

No. 1, from **none** 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 **332' 450'** to **3440'** 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—	
<b>7"</b>	<b>20#</b>	<b>8 rd</b>	<b>Natl.</b>	<b>352'</b>					

**MUDDING AND CEMENTING RECORD**

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

**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 feet to feet, and from feet to feet  
Cable tools were used from **0** feet to **506** feet, and from feet to feet

**DATES**

Put to producing, 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; **100**% 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**

**W.H. Settlementire**, Driller **G.C. Pratt**, Driller  
**A.H. Lowrey**, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
<b>0</b>	<b>10</b>	<b>10</b>	<b>Sand</b>
<b>10</b>	<b>45</b>	<b>35</b>	<b>" &amp; red beds</b>
<b>45</b>	<b>290</b>	<b>245</b>	<b>Red bed</b>
<b>290</b>	<b>445</b>	<b>155</b>	<b>Anhydrite</b>
<b>445</b>	<b>506</b>	<b>61</b>	<b>" &amp; red bed</b>
<b>506</b>	<b>T.D.</b>		

**Well History:**

Hole full of water 430' to 440'. Could not bail water down, bailing from 350'. Hole was plugged back to 446' with lime rock. Bailed 50 bbls water in 1 hr, lowered water only 30'. We set 552' of 7" casing and cemented cellar.

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION

### HISTORY OF OIL OR GAS WELL

16-43094-1 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 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.