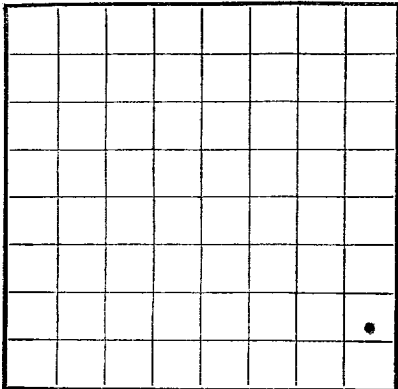


U. S. LAND OFFICE **NM**
SERIAL NUMBER **0149952**
LEASE OR PERMIT TO PROSPECT



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ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Union Oil Company of California, Operator
Company **South Caprock Queen Unit** Address **205 E. Washington, Lovington, N.M.**
Lessor or Tract **Tract 13** Field **Caprock Queen** State **New Mexico**
Well No. **16A-6** Sec. **6** T. **15S** R. **31E** Meridian **NMPM** County **Chaves**
Location **760** ft. **N** of **S** Line and **330** ft. **W** of **E** Line of **Section 6** Elevation **4463**
(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.

ORIGINAL SIGNED
Signed **A. T. MANNON** **A. T. Mannon**
Date **May 26, 1961** Title **Unit Superintendent**

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

Commenced drilling **4-14**, 19 **61** Finished drilling **4-20**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3101** to **3121** 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—	
8 5/8"	24#	8 p.		301	Plain				Surface
4 1/2"	9.5#	8 p.		3142	Guide		3104	3109	Production
							3112	3121	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	314	200	Pump & Plug		
4 1/2"	3153	300	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 **3155** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing **5-17**, 19 **61**

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 **75 MCF (est)** 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	250	250	Caliche, sand and shale
250	1400	1150	Red Bed
1400	1550	150	Anhydrite
1550	2200	650	Salt
2200	3100	900	Anhydrite
3100	3121	21	Sand
3121	3155	34	Anhydrite and sand

FORMATION RECORD—Continued[illegible]

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 balling.

[illegible]

5-17-51: Treated well w/500 gal Wilson MFC Acid. FBD @ 4000 psi. Treated
1.8 BPM @ 800 psi. SOP @ 0 psi. Swabbed well dry. Recovered approx.
12 bbls water and acid. Had Moderate gas blow estimated to be 75 MCF/D rate.

INVESTMENT VALUES - FIVE			
20' 3" front	20	20' 3" front	20
20' 3" front	20	20' 3" front	20
20' 3" front	20	20' 3" front	20

10-11-1964

[illegible]A 10x10 grid with a single black dot in the top right corner. The dot is located at the intersection of the 10th column and the 10th row, which is the bottom-right corner of the grid.

TOP SECRET COMINT

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110 110000 110000 110000