

JUL 30 1962

Bureau No. 42-R355.4
Approval expires 12-31-60.

HOBBS

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER LC-062269

LEASE OR PERMIT TO PROSPECT

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Curtis Harkamer Address 1421 Bank of the Southwest, Houston 2, TexasLessor or Tract Earnest-Federal Field Double X State New MexicoWell No. 1 Sec. 23 T. 24S R. 32E Meridian NM County LeaLocation 1980 ft. N of N Line and 660 ft. E of W Line of Sec 23 Elevation 3609.46
(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

Phil C. HarkamerDate July 19, 1962 Title Phil C. Harkamer Engineer

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

Commenced drilling 6/2, 1962 Finished drilling 6/13, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4922 to 4933 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—	
<u>8 5/8</u>	<u>20</u>	<u>8</u>	<u>318</u>	<u>5019</u>	<u>Tex. Pac.</u>	<u>4923</u>	<u>4925</u>		<u>Surface Production</u>
<u>4 1/2</u>	<u>9.5</u>	<u>8</u>	<u>318</u>	<u>5019</u>	<u>Howe</u>				<u>Float</u>
<u>2"</u>	<u>4 1/6</u>	<u>8</u>	<u>318</u>	<u>5016</u>	<u>Parker</u>				<u>Tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>318</u>	<u>100 sxs neat & 2% RA-5</u>	<u>Plug & Displ.</u>	<u>9</u>	
<u>4 1/2</u>	<u>3219</u>	<u>50 sxs & 12% gel</u>			
		<u>200 sxs Permian plus</u>			
		<u>2% latex</u>			

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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which 7/16/ % was oil; 62 %emulsion; 90 % water; and _____ % sediment. Gravity, °Bé. 10

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

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	409	409	Surface sand, gravel and red bed
409	977	568	Red bed THE END OF COMPLETE DRILLING
977	1232		Anhydrite ADD GEL TO MUD TO STABILIZE
1232	3400		Red bed and salt
3400	4137		Anhydrite
4137	4337		Anhydrite and salt
4337	4415		Anhydrite
4415	4669		Salt and anhydrite
4669	4840		Anhydrite and lime
4840	4917		Lime
4917	5020		Sand TD

FORMATION RECORD—CONTINUED

(01E8)

Figure 1

FROM-	TO-	TOTAL FEET	FORMATION
			From Electric Logs - Formation Tops
		Top Lower Salt - 4392'	
		Base Lower Salt - 4638'	
		Top Delaware Lime - 4874'	
		Top Delaware Sand - 4900'	
		Total Depth - 5020'	

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 "sidedracked" 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.

16-48094-2

② 9-7 Production casing was set to 5019.
Casing was hydraulically worked @ 4925.
No flow.

Information was sent featured on 6/15/68 with following materials:

5000 gals. 15% N.E. Acid
1500 gals. refined oil
1500 # 20-40 sand

Well was swabbed and found that it would not flow. Initial production on pump was 10 bbls/day.

[illegible]

LEAD 242 00 110 70 201

YAY! WE'VE SAVED

FOUR WENT TO MEMPHIS

[illegible]

2000