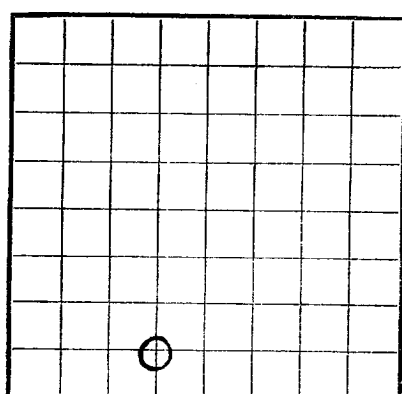


U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **060 881**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **James G. Brown & Associates** Address **P. O. Box 1625, Midland, Texas**Lessor or Tract **Federal** Field **Pearl-Queen** State **New Mexico**Well No. **5** Sec. **4** T. **20S** R. **35E** Meridian **N. M. P. M.** County **Lea**Location **660** ft. **N.** of **S.** Line and **1980** ft. **E.** of **W.** Line of **Sec. 4** Elevation **3684**
(Derriek 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

Date **September 27, 1961**Title **Production Superintendent**

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

Commenced drilling **August 28**, 19 **61** Finished drilling **September 14**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4838** to **4894** No. 4, from _____ to _____No. 2, from **4980** to **4987** No. 5, from _____ to _____No. 3, from **4992** to **5000** 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	3	Yageta	1230	TP	4981	4981	4986	Oil String
5-1/2	15.5	3	Yageta	5041	Float	4994	4994	4999	Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	230	125	P&P		
5-1/2	5041	200	P&P	10#/gal	Hole full

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
Treated w/ 500 gals. XW acid—formation broke @ 1900-1500 psi; swabbed 1-1/2 BOPH						
Treated w/ 20,000 gals. refined oil & 40,000 Sandfrac @ 33 BPM injection rate.						
Maximum pressure 3100#. Swabbed and flowed back load oil.						

TOOLS USED

Rotary tools were used from _____ feet to **5041** feet, and from _____ feet to _____ feet

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

DATES

_____, 19 _____ Put to producing **September 19**, 19 **61**The production for the first 24 hours was **240** 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

_____, Driller _____, Driller

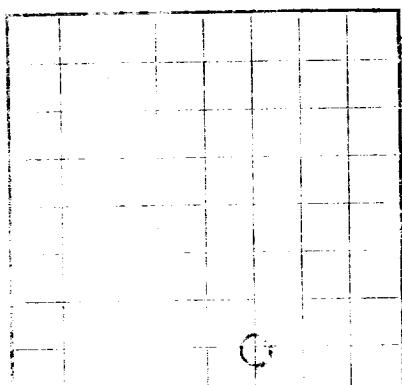
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	138	138	Sand & gravel
138	1307	1169	Redbeds & anhydrite
1307	1412	105	Redbeds & sand
1412	1940	528	Anhydrite
1940	2210	270	Anhydrite & salt
2210	3430	1220	Salt & anhydrite streaks
3430	3565	135	Anhydrite & salt streaks
3565	3995	430	Dolomite, shale & sands
3995	4115	120	Dolomite & sand streaks
4115	5041 TD	926	Lime & sand streaks
Electric Log Tops:			
	Anhydrite	1940	
	Salt	2210	
	7-Rivers	4118	
	Queen	4630	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL ON SECTION

Company, name of owner & operator Address _____
 Lessor or land owner _____
 Well No. _____ Township _____ Range _____ Meridian _____
 Location _____ of _____ line and _____
 Elevation _____
 The information in this log 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 _____

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

Commenced drilling _____, 19____
 Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denotes see by G)

No. 1 from _____ to _____
 No. 2 from _____ to _____
 No. 3 from _____ to _____
 No. 4 from _____ to _____
 No. 5 from _____ to _____
 No. 6 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
 No. 2 from _____ to _____
 No. 3 from _____ to _____
 No. 4 from _____ to _____

CASING RECORD

Casing	Depth	Weight	Kind of shoe	Cut and pulled from	Remarks

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. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing.

HISTORY OF OIL OR GAS WELL

MIDDING AND CEMENTING RECORD

Amount of cement	Kind of cement	Method used	Kind of gravel	Amount of gravel used

PLUGS AND ADAPTERS

Depth	Size	Remarks

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared 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 _____% was oil; _____% sediment.
 If gas well, cut ft. per 24 hours _____
 Rock pressure, lbs. per sq. in. _____
 Gravity, _____
 Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES

Position	Name
Driller	
Driller	

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Gravel & sand
10	20	20	Gravel & sand
20	30	30	Gravel & sand
30	40	40	Gravel & sand
40	50	50	Gravel & sand
50	60	60	Gravel & sand
60	70	70	Gravel & sand
70	80	80	Gravel & sand
80	90	90	Gravel & sand
90	100	100	Gravel & sand