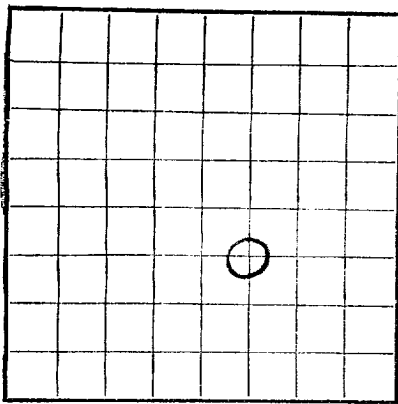


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **060 881**
LEASE OR PERMIT TO PROSPECT

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. **3** Sec. **4** T. **20S** R. **35E** Meridian **NMPM** County **Lea**
Location **1980** ft. **N** of **S** Line and **1980** ft. **E** of **E** Line of **Sec. 4** Elevation **3685**
(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 **J. A. Warren** Title **Production Superintendent**
Date **October 1961**

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

Commenced drilling **September 16**, 19**61** Finished drilling **October 2**, 19**61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4758** to **4768** No. 4, from _____ to _____
No. 2, from **4862** to **4870** No. 5, from _____ to _____
No. 3, from **4954** to **4960** 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	S. H. Lee	200	T. P.	1980	1980	1980	Surface
5-1/2	15.5	8	Young	5000	Cable	4954	4954	4954	Oil string
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
8-5/8	200	150	P&P		
5-1/2	5000	200	P&P	10.1	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 perfs. w/500 gals. XW Acid. Formation broke @ 2450 psi. Swabbed 1 BOPH.						
Treated w/20,000 gals. refined oil and 49,000# sand @ 32 BPM injection rate; Maximum pressure 3500 psi. Swabbed & flowed back lead oil.						

TOOLS USED

Rotary tools were used from **0** feet to **5000** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing **October 11**, 19**61**

The production for the first 24 hours was **118** barrels of fluid of which **100**% was oil; _____%
emulsion; _____% water; and _____% sediment. (12 hrs. test) Gravity, °Bé. **35**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Paul E. Warner, Driller **J. G. Crisp**, Driller
H. L. Roper, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	150	150	Surface sand & caliche
150	1075	925	Redbeds w/sand streaks
1075	1760	685	Redbeds w/anhydrite streaks
1760	1895	135	Redbeds
1895	2035	140	Anhydrite
2035	2411	376	Anhydrite & salt
2411	3208	797	Salt w/anhydrite streaks
3208	3424	216	Anhydrite & salt
3424	4100	676	Anhydrite & sand streaks
4100	4178	78	Lime & sand
4178	4552	374	Lime
4552	5000 T.D.	448	Lime & sand streaks
ELECTRIC LOG TOPS:			
			Anhydrite 1895
			Salt 2160
			Cowden 3208
			7-Rivers 3980
			Queen 4574

(OVER)

FORMATION RECORD—CONTINUED

