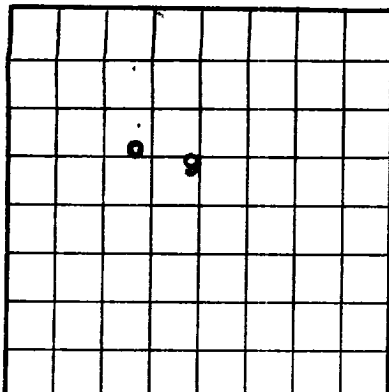


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **061446**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **N.G. Penrose Inc.** Address **Ft. Worth, Texas**
Lessor or Tract **N.G. Penrose** Field **Penrose-Skelley** State **New Mexico**
Well No. **1** Sec. **9** T. **22S** R. **37E** Meridian **N.M.P.M.** County **Lea**
Location **1980** ft. **SW** of **N** Line and **1980** ft. **EW** of **W** Line of **Sec. 9** Elevation **3429**
(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 *Charles J. Miller*
Title **Agent**

Date _____

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

Commenced drilling **Feb. 14**, 19**45** Finished drilling **Aug. 6**, 19**45**

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

No. 1, from **3451** to **3593** No. 4, from **7992** to **8032**
No. 2, from **5093** to **5173** No. 5, from **8070** to **8118**
No. 3, from **7946** to **7992** No. 6, from **8118** to **8180**

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from **7618** to **7785** 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—	
13 3/8	40#	8	J & L	4142	float				
9 5/8	36#	8	J & L	4142	float				
7	26#	8	J & L	8224	float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	1172	1300	plug	9.5	
9 5/8	4142	750	plug	9.5	
7	8224	1100	plug	9.5	

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 **8370** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing **Sept. 1**, 19**45**

The production for the first 24 hours was **706.77** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **40.5**

If gas well, cu. ft. per 24 hours **808,500** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **375# tbq.**

EMPLOYEES

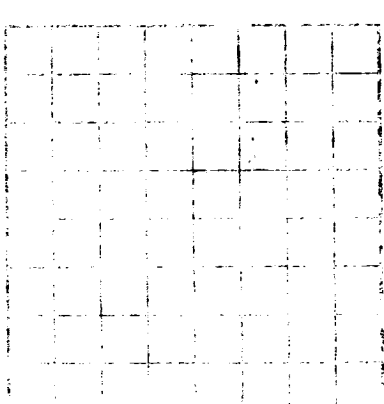
R. Baxter, Driller **G.T. Reynolds**, Driller
F.L. Addicks, Driller **J.A. McConnell**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	surface sand
40	645	605	Red beds and shells
645	780	135	Red beds
780	942	162	Red beds and shells
942	1018	76	Red rock and gypsum
1018	1167	139	Anhydrite and red beds
1167	1172	15	Anhydrite
1172	1529	357	Anhydrite and salt streaks
1529	1740	211	Gypsum and salt
1740	2010	270	salt
2010	2440	430	salt and anhydrite
2440	2489	49	Anhydrite, salt and lime
2489	2833	344	Anhydrite and lime
2833	2946	113	Lime
2946	2975	29	Lime and shale
2975	3000	25	Lime
3000	3055	55	Lime, shale and gypsum
3055	3094	39	Lime and gypsum
3094	3120	26	Lime
3120	3183	63	Lime and gypsum
3183	3203	20	Lime
3203	3247	44	Lime and gypsum
3247	3283	36	Lime
3283	3406	122	Lime and gypsum
3406	3453	48	Lime

FOLD | MARK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



HISTORY OF OIL OR GAS WELL

(For record of drill stem tests and production tests see attached sheet)

Treated with 1000 gal. 20% acid from 8100 to 8140 through perforations in 7 1/2 in. casing. Maximum injection pressure on tubing 1700#. Injection rate increased 12 times to maintain injection pressure at 1700#.

Retreated through perforations 8100-8140 with 4000 gal. 20% acid. Maximum injection pressure 1600#.

Set Baker Drillable Model K Tester at 8092. Treated with 2000 gal. 20% acid through perforations 8095 to 8098. Maximum injection pressure 1500#.

ACID TREATMENTS

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 "tracked" 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 10-43004-1

FORMATION	TOTAL FEET	TO-	FROM-
Sandy lime	87	3480	3483
Lime	23	3503	3480
Sandy lime	19	3522	3503
Lime	289	3811	3522
Sandy lime	30	3841	3811
Lime	37	3878	3841
Sandy lime	26	3903	3878
Lime	252	4156	3903
Sandy lime	41	4196	4156
Lime	299	4495	4196
Lime and anhydrite	69	4564	4495
Lime	131	4695	4564
Lime and anhydrite	81	4766	4695
Lime	110	4876	4766
Sandy lime	24	4900	4876
Lime	48	4948	4900
Sandy lime	127	5075	4948
Lime	256	5331	5075
Lime	18	5343	5331
Lime and chert	342	5685	5343
Lime	86	6771	5685
Lime and shale breaks	293	7064	6771
Lime	12	7076	7064
Lime and chert	62	7138	7076
Lime and shale	28	7166	7138
Lime	18	7175	7166
Lime	377	7552	7175
Lime and shale	18	7552	7552
FORMATION			
Shale and streaks	48	7560	7552
Shale and lime	213	7773	7560
Sandy lime	97	7870	7773
Sandy shale and lime	68	7935	7870
Sandy lime	24	7959	7935
Sandy lime	88	8047	7959
Lime	3	8050	8047
Hard sand and dolomite	121	8171	8050
Dolomite	38	8208	8171
Dolomite and sand	19	8225	8208
Granite wash and sand	16	8241	8225
Granite wash	6	8247	8241
Granite wash	123	8370	8247
Total depth 8370			