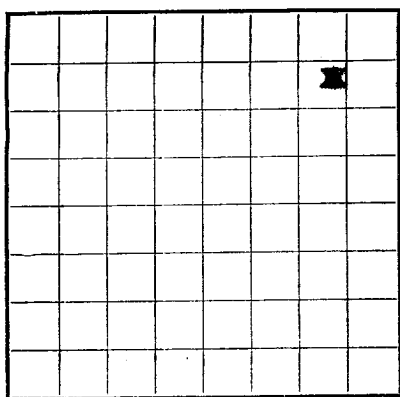


U. S. LAND OFFICE **N M**  
 SERIAL NUMBER **06413**  
 LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **CACTUS DRILLING COMPANY** Address **Box 788, San Angelo, Texas**  
 Lessor or Tract **Featherstone** Field **Pearl Queen** State **New Mexico**  
 Well No. **1** Sec. **6** T. **208** R. **12E** Meridian **N.M.** County **Lea**  
 Location **660** N. of **660** E. of **Section 6** Elevation **2700**

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 *George Baker*

Date \_\_\_\_\_ Title **Vice President**

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

Commenced drilling **July 31**, 19**58** Finished drilling **November 8**, 19**58**

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

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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	
13-3/8	40	Welded	Net.	801	TP	77			Surface
8-5/8	24	8 R	SS	1844	TP	1844			
7"	28	8 R	SS	4597	TP	4597			
5-1/2	1550	8 R	SS	4956	TP	4300	4921	4925	Prod.
							4806	4814	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-5/8	90	90	Halliburton		Circ. to surface
8-5/8	1844			10%	Circ. to surface
7"	4597				
5-1/2	4956	50	Halliburton		

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 **1844** feet, and from **4597** feet to **4956** feet  
**1844** **4597** **4956** **5044**

Put to producing \_\_\_\_\_, 19 \_\_\_\_\_

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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
**E. B. Thomas**, Driller **G. F. Rhymes**, Driller  
**D. H. Dillard**

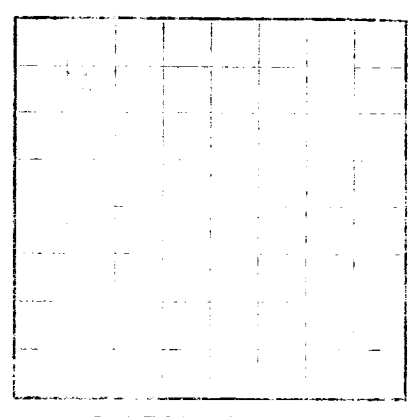
FORMATION RECORD **B. R. Abrames**

FROM—	TO—	TOTAL FEET	FORMATION
0	70		Surface
70	1480		Red beds & sand breaks - 13-3/8 surface casing cemented @ 90' with 90 sz.
1480	1835		Red rock
1835	1844		Anhydrite - nudded 8-5/8 Csg.
1844	2100		Change over to cable tools
2100	2175		Anhydrite
2175	2203		Salt & shale
2203	2450		Red shale
2450	2470		Salt with anhydrite breaks
2470	3430		Anhydrite
3430	3545		Salt & Potash
3545	3925		Lime - anhydrite
3925	3970		Anhydrite & shale breaks
3970	3985		Blue shale
3985	4070		Sand & shale
4070	4105		Lime & shale
4105	4130		Brown sand - 4 barrels water per hr.
4130	4150		Lime with sand breaks
4150	4188		Lime - nudded 7" casing
4188	4400		Lime
4400	4426		Red sand - water
4426	4440		Lime with sand breaks
4440	4452		Shale - red
4452	4481		Sand with lime breaks

M M H  
DEPT 3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_  
County \_\_\_\_\_  
Section \_\_\_\_\_  
Twp \_\_\_\_\_  
Rng \_\_\_\_\_  
The information on this page is for the condition of the well at above date.  
Signed \_\_\_\_\_

Plugged well  
20 ft remaining water sands 4200 - 4200  
Mud 4200 - 3440  
20 ex cement 3440 - 3377  
Mud 3377 - 1860  
20 ex cement 1860 - 1800  
Top of hole with 4" pipe

After running log, let set until 11/1/58. Decided to cement 5-1/2" casing.  
Packed with 5-1/2" casing. All holes were plugged and then cemented 5-1/2" casing.  
Swabbed down top cement, perforated from 4921 to 4925'. Tested dry. Ran 5-1/2" casing 4850' and perforated 4806 to 4814'. Tested dry. Ran 15 ex cement top of casing plug and loaded hole with mud preparatory plugging. Cut & pulled 4300' of 5-1/2" casing.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of perforating, 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, 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 testing.

HISTORY OF OIL OR GAS WELL

DATE	DESCRIPTION	DEPTH (FEET)	REMARKS
4481	Log - ran & mudded 5-1/2" casing @ 4188	4493	
4493	Log - pulled 5-1/2" casing, and 2" casing, and attempt remained to 4505 and ran & mudded 2" @ 4505	4505	
4505	Log - ran 2400 with 4560 - 64	4560	
4582	Line - 2" and ran to 4597 & change	4582	
4597	Line with sand breaks over to rotary tools	4597	
4956	Line 5-1/2" and mudded & change back to cable tools	4956	
4956	Line	4956	
4991	Line	4991	
4991	Line	4991	
5017	Line	5017	
5027	Sand, ran electric log 5027	5027	
5044	Sand, line	5044	

FORMATION RECORD - Continued