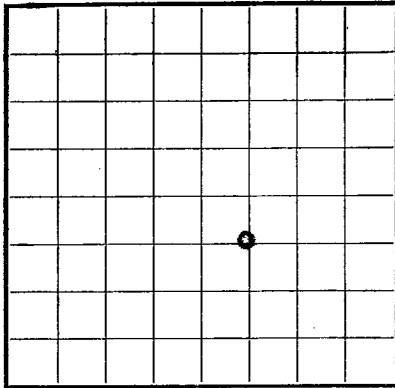
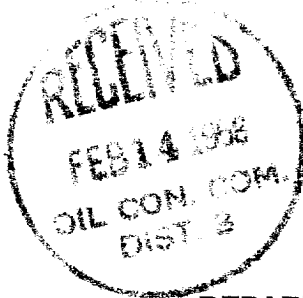
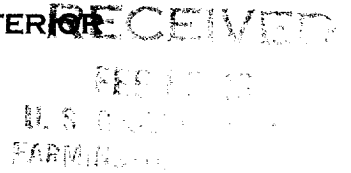


U. S. LAND OFFICE
SERIAL NUMBER **57-078494-A**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **The Texas Company** Address **Box 817, Farmington, N. M.**
Lessor or Tract **Yarborough-Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **3** T. **23-N** R. **6-W** Meridian **NMPM** County **Rio Arriba**
Location **1840** ft. ^N of **3** Line and **1840** ft. ^E of **E** Line of **Section 3** Elevation **6789**
(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 **[Signature]**
Date **February 12, 1958** Title **Dist. Sup't.**

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

Commenced drilling **October 31**, 19**57** Finished drilling **December 24**, 19**57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5540'** to **5585'** 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 **None** 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	48	8R	Smls	308	Baker	None			
9-5/8	35	8R	Smls	350	Baker	None			
9-5/8	35	8R	Smls	570	Baker	None			
5-1/2	14	8R	Smls	5500	Baker	None			
5-1/2	15.5	8R	Smls	2270	Baker	None			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	325	360	Halliburton		
9-5/8	4329	1750	Halliburton		
5-1/2	6685	625	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
Adapters—Material **None** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from **0** feet to **6685** feet, and from _____ feet to _____ feet
Cable tools were used from **None** feet to _____ feet, and from _____ feet to _____ feet

DATES

February 12, 19**58** Put to producing **Tested Jan. 11**, 19**58**
The production for the first 24 hours was **75** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **38.5°**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. L. Butler, Driller **J. F. Snow**, Driller
Ray Markham, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2703	2703	Sand & Shale
2703	2752	49	Shale
2752	2923	171	Sand & Shale
2923	2970	47	Shale
2970	3259	289	Sand & Shale
3259	3287	28	Shale
3287	4469	1182	Sand & Shale
4469	4515	46	Sand
4515	4630	115	Shale
4630	5097	467	Sand & Shale
5097	5170	73	Shale
5170	5827	657	Sand & Shale
5827	5870	43	Shale
5870	6008	138	Sand & Shale
6008	6501	493	Shale
6501	6587	86	Sand & Shale
6587	6605	18	Shale
6605	6685	80	Sand & Shale

Total Depth **6685'**Plugged Back Depth **5623'**

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION TOPS			
			Pictured Cliff - - - - - 2152'
			Cliff House - - - - - 3624'
			Point Lookout - - - - - 4290'
			Gallup - - - - - 5530'
			Greenhorn - - - - - 6288'
			Dakota - - - - - 6517'

Formation Tops as per EL log.

HOLE SIZE

0 to 325' - 17-1/4"
 325' to 4329' - 12-1/2"
 4329' to 6685' - 8-3/4"

DEVIATION TESTS

580' - 3/4°	4565' - 1/4°
1239' - 1/4°	5061' - 1°
2372' - 3/4°	5510' - 3/4°
3145' - 1/2°	6026' - 1/2°
3543' - 1°	6501' - 3/4°
3975' - 1/2°	

Core #1, 5370' to 5424'. Recovered 54', sand & shale.
 Core #2, 5424' to 5476'. Recovered 51', sand & shale.
 Core #3, 5510' to 5560'. Recovered 45', sand & shale.
 Core #4, 5560' to 5566'. Recovered 3', sand & shale.
 Core #5, 5566' to 5576'. Recovered 8-1/2', sand.
 Core #6, 5576' to 5618'. Recovered 19', sand & shale.
 Core #7, 5501' to 6548'. Recovered 8', sand & shale.
 Core #8, 5505' to 6617'. Recovered 10', sand & shale.
 Core #9, 6617' to 6625'. Recovered 6', sand & shale.

DST #1, 3605' to 3664'. Tool open 1 hour with weak blow of air through-
 out test. Recovered 310' of slightly gas cut drilling mud.

DST #2, 4217' to 4335'. Packer failed.

DST #3, 4212' to 4335'. Packer failed.

DST #4, 4200' to 4335'. Packer failed.

DST #5, 4191' to 4335'. Tool open 2 hours with a light blow of air
 for 1 hour and 25 minutes and died. Recovered 270' of slightly gas
 cut drilling mud.

DST #6, 5333' to 5560'. Tool open 1 hour and 30 minutes with a good
 blow of air and died after 1 hour and 25 minutes. Recovered 270' of
 slightly gas cut drilling mud.

DST #7, 5561' to 5618'. Tool open 1 hour with weak blow of air and
 died at end of test. Recovered 30' of slightly gas cut drilling mud.

DST #8, 6460' to 6548'. Packer failed after 10 minutes. Recovered
 360' of gas cut drilling mud.

DST #9, 6511' to 6548'. Tool open 2 hours with gas to surface in 30
 minutes. Gas volume too small to measure. Recovered 100' gas cut
 drilling mud.

All measurements from derrick floor, 10' above ground.

WIDENING AND CEMENTING RECORD**HISTORY OF OIL OR GAS WELL**

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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
 "sidetracked" 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.

After drilling to 6685' and cementing 5-1/2" casing, top of cement
 plug was found to be at 6642'. Perforated 5-1/2" casing from 6516'
 to 6530' with 4 jet shots per foot. Treated perforations with 500
 gallons mud acid followed by 5000 gallons crude oil and 2500# sand.
 Flowed and swabbed load oil until all but 120 barrels was recovered.
 Swabbed well dry. Set bridge plug at 6485' and squeezed perforations
 with 100 sacks of cement. Set second bridge plug at 5523' and per-
 forated 5-1/2" casing from 5540' to 5585' with 4 jet shots per foot.
 Treated perforations with 1000 gallons mud acid followed by 30,000
 gallons crude oil followed by 30,000# sand. After flowing and swabbing
 all load oil, swabbed 75 barrels of oil in 24 hours.

OIL OR GAS WELLS OF FORMER

Continued from page 16-43094-1

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