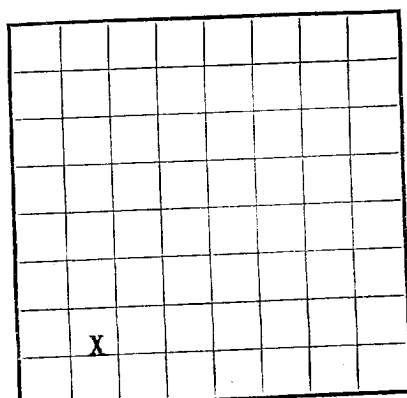


U. S. LAND OFFICE New Mexico
SERIAL NUMBER N.M. 05319
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

Oct 29 8 42 AM '63
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Olen F. Featherstone Address 236 Petroleum Bldg. Roswell, N.M.
Lessor or Tract Federal "25" Field NRW State New Mexico
Well No. 1 Sec. 25 T. 7S R. 36E Meridian N.M.P. County Roosevelt
Location 660 ft. [N.] of [S] Line and 660 ft. [E.] of [W] Line of Section 25 Elevation 4108' (DF)
(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 Rex AlcornTitle GeologistDate October 21, 1963

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

Commenced drilling September 25, 1963 Finished drilling October 9, 1963

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	48#	8 RD	New	340'	Texas Pattern				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	340'	350	Circulated		

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 4300 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Plugged & Abandoned

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

Cactus Drilling Company Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2340	2340	Red Beds
2340	2440	100	Dolomite, anhydrite & red beds
2440	2620	180	Red beds (largely cavings)
2620	2860	240	Dolomite & red beds (cavings)
2860	3000	140	Red Beds (cavings)
3000	3300	300	Anhydrite & red beds (cavings)
3300	3330	30	100% red shale, probably cavings
3330	3400	70	Anhydrite, Red sand & Red shale
3400	3430	30	Gray sand & red shale
3430	3450	20	Anhydrite, gray sand & red shale
3450	3500	50	Gray sand & red shale
3500	3600	100	Anhydrite & red shale
3600	3860	260	Anhydrite, gray sand, & red shale
3860	3930	70	Dolomite, anhydrite, & red shale (cavings)
3930	3950	20	Red beds (cavings)
3950	3960	10	Dolomite & red beds (cavings)
3960	4050	90	Red Beds (cavings)
4050	4100	50	Dolomite, anhydrite & red beds (cavings)
4100	4110	10	Dolomite & red beds (cavings)
4110	4150	40	Red beds (cavings)
4150	4160	10	Dolomite & red beds (cavings)
4160	4190	30	Dolomite, anhydrite & red beds (cavings)
4190	4200	10	Red beds (cavings)
4200	4220	20	Dolomite, anhydrite & red beds (cavings)

(OVER)

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
4220	4260	40	Red beds (cavings)
4260	4270	10	Dolomite & red beds (cavings)
4270	4300	30	Red beds (cavings)
4300	4410	100	Dolomite, anhydrite & cavings
4461	4470		
4470	4800	330	
			Note: Drilled with water & native mud 0' to 4325'. 5% crude oil in drlg. fluid @ 1500'. Mudded up @ 4325'. Cove No. 1 4410' to 4461' (51') Rec. 51' as follows: 2-1/2' Shale Dolomite, Tite, N/S 2-1/2' Anhydrite 8' Dolomite, Tite, N/S 15' Anhydrite 7' Dolomite, Tite, N/S 6' Anhydrite 2' Dolomite, Tite, N/S 4' Anhydrite 2-1/2' Dolomite, Tite, N/S 1-1/2' Anhydrite (4" Pinpoint porosity @ 4459', N/S) Red beds (cavings) Dolomite, anhydrite, cavings, pinpoint porosity scattered 4610' to 4800', N/S

HISTORY OF OIL OR GAS WELL

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.

NOTES:

1. Samples contaminated by caving of red beds, therefore are not representative of section penetrated when red beds are logged, particularly below Top San Andres (3803' by Gamma-Ray Log).
2. Gamma-Ray Acoustic Log run @ 4650' to Surface
3. Hole size is 11" to 4650', 7-7/8" to 4800.
4. Formation Tops by Gamma-Ray Log:
Elev. 4098' GR; 4108' RT

- | | |
|--|--------------|
| Zone | 4537' (-429) |
| Total Depth | 4800' (-692) |
| In view of the low structural position of well and absence of shows in porous intervals, this well was not tested nor logged below 4650' | |
5. Hole plugged & abandoned 10-9-63 as follows:
Left mud in Hole (TD 4800') Vis 37, WL 12, RT 10.2
CX. 1/32

- | | |
|------|--|
| 100' | Cement plug 4700' to 4800' Base San Andres porosity |
| 75' | Cement plug 4525' to 4600' Top San Andres porosity |
| 75' | Cement plug 3750' to 3825' Base of Salt Section |
| 75' | Cement plug 2350' to 2425' Top Salt Section |
| 20' | Cement plug 310' to 385' Bottom Surface Casing |
| | Cement plug 0' to 20' Top Surface Casing w/marker pipe |
| | Cemented showing well name & location. |