

Sec. 29					
T-9-S					
R-38-E					
Lea County, New Mexico					
SW/4 - NE/4 Sec. 29					

LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Western Drilling Company of Longview Address Box 1429, Odessa, Texas
Lessor or Tract Gulf Federal Field Sawyer San Andres State New Mexico
Well No. 2 Sec. 22 T. 2-S R. 38E Meridian NMPM County Lea
Location 1980 ft. [N] of N Line and 1280 ft. [E] of E Line of Sec. 29 Elevation 3946
so far as can be determined from all available records. Signed J. H. Henderson Title Partner
Date November 11, 1960

The summary on this page is for the condition of the well at above date.
Commenced drilling October 10, 1960 Finished drilling October 27, 1960

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

No. 1, from 4908' to 4995' G 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—	
8 5/8	28#	New	Beth	372'	Halliburton	None	None		Surface Casing
5 1/2	15.5#	New	Beth	5010'	Halliburton	None	4908	4938	Oil string
							4946	4952	
							4962	4968	
							4981	4995	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	384	300	Halliburton		Natural
5 1/2	5020	350	Halliburton	10.2	Brine water

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 5020' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing November 3 - 4, 1960
The production for the first 24 hours was 24.75 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.
If gas well, cu. ft. per 24 hours 1,480,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 1375

EMPLOYEES

E. H. Frith, Driller J. F. Gatlin, Driller
Amon Justice, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	Derrick Substructure
11	30	19	Red Sand
30	210	180	Caliche & Sand Shells
210	290	70	Clay & Gravel
280	310	30	Sand & Pos Water
310	395	85	Blue Shale
395	2050	1655	Red Bed - Shells
2050	2400	350	Anhydrite Sand
2400	2810	410	Salt & Anhydrite
2310	3110	300	Salt & Anhydrite Shells
3110	3220	110	Sand
3220	3740	520	Anhydrite Shale
3740	4190	350	Anhydrite
4190	4980	718	Dolomite & Anhydrite
4908	5020	112	Dolomite
			TOPS PICKED FROM E. LOG
			Rustler 2390
			Salt 2465
			Yates 2910
			San Andres 4190

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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.

HISTORY OF OIL OR GAS WELL

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

WALF FEDERAL #2
WELL HISTORY & PROGRESS SHEET

1960

- October 7 Location staked by Lea County Engineers. Started road. Dirt work done by Hagley Construction Company, Plains, Texas.
- 8 Building road and location.
- 9 Rigged up rotary
- 10 Rigged up and spudded at 4:00 P.M. 300' at mid-night.
- 11 395' ran and cemented 8 5/8" casing at 372' G. L. with 300 sacks of cement.
- 12 W. O. C. from 12:00 P. M. to 8:00 A. M. Drilled plug
- 13 Drilling 7 7/8" hole. 1650' Red Bed & Shells. $\frac{1}{2}$ " at 1450'
- 14 2160' Shale & Anhydrite
- 15 2510' Anhydrite & Salt
- 16 3060' Drilling Anhydrite & Salt
- 17 3560' Drilling Anhydrite & Shale
- 18 3900' Drilling Anhydrite & Shale
- 19 4163' Drilling Anhydrite
- 20 4305' Drilling Anhydrite & Dolomite
- 21 4400' Drilling Dolomite & Anhydrite
- 22 4490' Drilling Dolomite & Anhydrite
- 23 4635' Drilling Dolomite & Anhydrite
- 24 4740' Drilling Dolomite & Anhydrite
- 25 4828' Drilling Dolomite
- 26 4915' Drilling Top of porosity 4908' drillers depth. Dolomite
- 27 5020' T. D. Dolomite reached at 1:15 A.M. Circulated 2 hours. pulled out and ran Electric Logs by Lane Wells Company. Completed logs at 8:30 A.M. Ran drill pipe back in hole. Pulled drill pipe laying down. Rigged up and ran 5 1/2", 15,500', J-55 Casing. 5 centralisers, one each on first 5 bottom joints. Cemented 158 joints less 14' cut off from top joint set at 5020' A.M. or 5010' ground level. Cemented with 350 sacks neat (last 100 sacks with 45 gallons of Latex). Plug down at 9:00 P.M. W. O. C.
- 28 W. O. C.
- 29 W. O. C.
- 30 W. O. C.