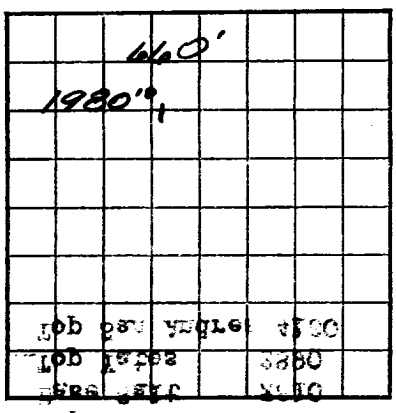
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 062233
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Jennings Oil Co. Address Box 457 Sundown, Texas
Lease or Tract Landreth Field Sawyer State New Mexico
Well No. 1 Sec. 18 T. 9S R. 38E Meridian N. M. P. M. County Lea
Location 660 ft. {N.} of N. Line and 1980 ft. {E.} of W. Line of NE/4 of NW/4 Elevation 3984
(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 T. H. Wolfe
Date June 2, 1948 Title Supt.

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

Commenced drilling April 15, 1948 Finished drilling May 15, 1948

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4938 to 4943 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 From—	Perforated To—	Purpose
13 3/8"	54#	8 R	Naylor	300	None				
5½"	14.5#	8 R	Nat'l	4990	Baker				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	300	275	Halliburton	33	None
5½"	4990	300	Halliburton	36	10 tons

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
None						

TOOLS USED

Rotary tools were used from 0 feet to 5015 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 31, 1948 Put to producing , 19

The production for the first 24 hours was None barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 2750 M Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

H. C. Kelly, Driller C. B. Lamb, Driller
M. J. Bishop, Driller H. E. Babcock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche
20	240	220	Sand & Shells
240	250	10	Shale
250	322	72	Shale & Shells
322	400	78	Blue Shale
400	910	510	Red Rock
910	2060	1150	Red Rock & Shale
2060	2290	230	Red Rock & Shells
2290	2440	150	Anhydrite
2440	2690	250	Salt
2690	2860	170	Anhydrite & Salt
2860	3010	150	Red Rock, Anhydrite & Shells
3010	3474	464	Anhydrite & Shells
3474	3675	201	Red Rock, Anhydrite & Shells
3675	3800	125	Anhydrite & Shells
3800	3965	165	Anhydrite
3965	4210	245	Anhydrite & Lime
4210	5015 TDDF	805	Lime
	4983 TD After Plug Back		
	Drillers Log		

FOLD MARK

(OVER)

16—43064-2

HISTORY OF OIL OR GAS WELL

16—43094-1 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.

4-13-48 Started drilling 17½" hole

4-14-48 Ran & cemented 300' of 13 3/8" casing w/ 275 sks. Circulate cement.

4-16-48 Tested casing at 500# for 1 hour. Tested OK.

4-16-48 Started drilling 8 3/4" hole 322' to 5015 TDDF.

5-1-48 Started first core 4935 to 4943'. Recovered 8'

5-2-48 Started second core 4944 to 4950'. Recovered 7'

5-2-48 Started third core 4970 to 4981'. Recovered 11'

5-3-48 Started fourth core 4981 to 4987'. Recovered 2½'

5-3-48 Started fifth core 4987 to 4989'. Recovered 2'

5-15-48 Started sixth core 5003 to 5011'. Recovered 2'

5-15-48 Started seventh core 5011' to 5017' TDRT. Recovered 4'

5-15-48 Completed drilling at 11:34 AM.

5-16-48 Ran Schlumberger Electric Log.

5-17-48 Ran 4890' of 5½" casing & cemented w/ 300 sks.

5-21-48 Tested casing at 1000# for 30 min. Tested OK. Started drilling plug and cement.

5-22-48 Ran tubing & rig up to swab

5-23-48 Swabbing well natural. Could not lower water in hole.

5-27-48 Plugged back to 4983' w/ Cal-seal and Hydromite plug. Total depth after plug back 4983' DF.

5-28-48 Swabbing & testing. Well making 980 M cu. ft. gas. No oil or water.

5-29-48 Acidized w/ 3500 gal. Swabbing. Gas increased.

5-30-48 Flowing & testing. Gas 2640 M Cu. Ft.

5-31-48 Acidized w/ 10,000 gal. Swabbing. Flowed 2,750 M cu. ft. gas. No oil or water.

Schlumberger tops on No. 1 Landreth are as follows:

Top Anhydrite	2295	Base Anhydrite	2920
Top Salt	2420		
Base Salt	2810		
Top Yates	2890		
Top San Andres	4160		