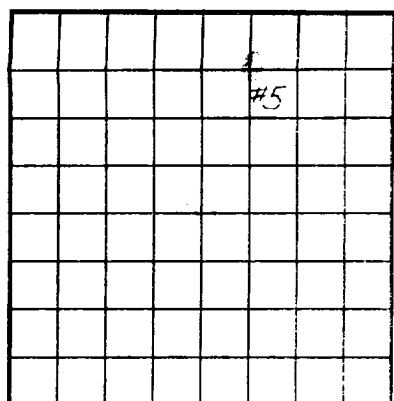


U. S. LAND OFFICE ~~San~~ Cruces

SERIAL NUMBER 209480 (b)

LEASE OR PERMIT TO PROSPECT -----

1000 11 11

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Tulsa, Oklahoma
Lessor or Tract Dow "B" Field Grayburg- State New Mexico
Jackson
Well No. 5 Sec. 21 T. 17 R. 31 Meridian N. H. County Eddy
Location 660 ft. ~~of~~ S of N. Line and 1920 ft. ~~of~~ E of E. Line of NE 1/4 Sec. 21 Elevation 3784 ft.
(Check floor casing to)

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 _____

Date 9-7-43 Title Diet - cont.

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

Commenced drilling 5-10, 1942 Finished drilling 7-30, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3800 () to 3210 () No. 4, from 3610 to 3618

No. 2, from 3336 to 3340 No. 5, from _____ to _____

No. 3, from 3576 to 3585 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 510 to 530 No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	640'	100	Halliburton	8.1 mud	
7"	2943'	175	Halliburton	8.1 mud	

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
4"		SNG	96 qts.	7-17-43	3570-3618	
5 1/2"		SNG	190 qts.	7-21-43	3398-3484	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 3638 feet, and from _____ feet to _____ feet

DATES

....., 19..... Put to producing **B-1**, 19.....

The production for the first 24 hours was 103 barrels of fluid of which 100 % 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 P. Lowell, Driller

Driller T. E. Garrell Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Sand
20	30	10	Caliche
30	30	30	Shale
60	170	110	Sandy Red Shale
170	335	165	Red Shale
335	510	175	Anhydrite Top Anhydrite 335' Samples
510	530	20	Sand, water
530	600	70	Anhydrite, salt Top Salt 585' Samples
600	640	40	Salt & shale Set 8-5/8" Casing 640' w/100 sacks cement by Halliburton
640	650	16	Salt
650	775	110	Salt & Potash
775	850	175	Salt & Anhydrite
850	1272	392	Salt & Potash
1272	1285	13	Anhydrite
1285	1340	55	Salt & Potash
1340	1430	90	Salt Base Salt 1430' Samples
1430	1485	55	Anhydrite
1485	1573	123	Anhydrite & Shale

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1573	1600	27	Andysite
1600	1632	32	Sand & Andysite Top Yates sand 1600' samples Top P. & G. 1632' samples
1632	2010	378	Andysite & shale
2010	2276	266	Andysite
2276	2400	124	Andysite & shale
2400	2525	125	Andysite
2525	2565	40	Red sand Top Red sand 2525' samples
2565	2586	21	Andysite
2586	2606	19	Lime, gray
2606	2668	62	Andysite
2668	2765	96	Andysite
2765	2787	22	Andysite & shale Brown lime Top Brown lime 2765' (Drillers)
2787	2835	48	Andysite & lime
2835	2911	76	Brown lime 2911' Toplime samples
2911	3264	353	Lime Set 7" casing 2948' w/176 sacks cement by Halliburton lime Top Ben Andres 3264' samples
3264	3638	374	Lime Top Ben Andres 3264' samples

Drilled to TD 3638 swabbed and flowed 48 barrels oil per day thru casing natural plus 1 barrel salt water per day. Plugged back with lead wool to 3618', water shut off 0.4'. Shut w/96 lbs SNG from 3670-3618'. After shot swabbed and flowed 60 barrels oil per day thru casing. Shot w/130 lbs SNG from 3688-3484 and on test pumped 106 barrels oil in 24 hours.

Below the 7" casing in this well is a Dolomite oil pay from 2122-36 and another Dolomite oil pay from 2255-65 and a Dolomite pay from 2639-98.

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 6-5745