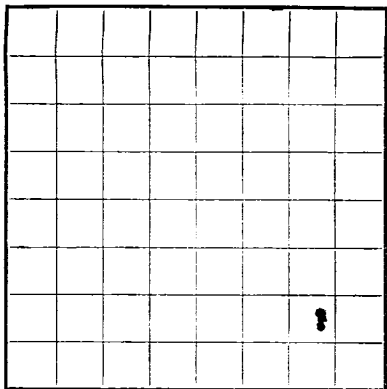


Artesia, N. M.
U. S. LAND OFFICE NM 04393
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southwestern, Inc. Address Box 1116, Lovington, N. M.
Lessor or Tract DeKalb Agric. Assoc. Field Square Lake State N. M.
Well No. 3 Sec. 31 T. 16S R. 30E Meridian NMPM County Eddy
Location 1980 ft. NW of S Line and 1980 EX of E Line of Sec. 31 Elevation 3699
(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

Date August 25, 1958Title President

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

Commenced drilling July 3, 1958 Finished drilling August 27, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2603 to 2609 No. 4, from _____ to _____
No. 2, from 2711 to 2723 No. 5, from _____ to _____
No. 3, from 2758 to 2785 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 365 to 385 No. 3, from _____ to _____
No. 2, from 2028 to 2057 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—	
<u>8-5/8</u>	<u>32</u>	<u>8</u>		<u>467'</u>	<u>Tex. Pat.</u>	<u>No</u>	<u>No</u>		<u>Shut of H₂O</u>
<u>7</u>	<u>23</u>	<u>8</u>		<u>2051'</u>	<u>Tex. Pat.</u>	<u>2018'</u>	<u>No</u>		<u>" "</u>
<u>5-1/2</u>	<u>14</u>	<u>8</u>		<u>2788'</u>	<u>Larkin</u>	<u>No</u>	<u>2603</u>	<u>2609</u>	<u>Production</u>
							<u>2711</u>	<u>2723</u>	<u>" "</u>
							<u>2758</u>	<u>2785</u>	<u>" "</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>467</u>	<u>50</u>	<u>Halliburton</u>	<u>Water</u>	<u>1000 lb.</u>
<u>7</u>	<u>2051</u>	<u>No</u>	<u>Mud</u>	<u>None</u>	<u>None</u>
<u>5-1/2</u>	<u>2788</u>	<u>150</u>	<u>Halliburton</u>	<u>None</u>	<u>None</u>

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0' feet to 2791' feet, and from _____ feet to _____ feet

DATES

July 3, 1958 Put to producing August 24, 1958

The production for the first 24 hours was 67 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 39

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. F. Willis, Driller W. R. High, Driller

W. C. Garner, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	528	528	Red Bed
528	985	457	Salt
985	1168	183	80% Annhy., Shale 15%, Gray Shale 5%
1168	1428	260	Br. Shale 70%, Br. Sand 20%, Annhy. 10%
1428	1488	60	60% annhy., 40% Br. Shale
1488	1521	33	Br. Dolo. and show of oil & Gas
1521	1678	157	90% annhy., Shale 10%
1678	1778	100	Br. Dolo., 85%, annhy 10%, Gray Shale 5%
1778	1833	55	Br. Sand 80%, Br. Shale 10%, anhy 10%
1833	2028	195	80% anhy, 15% Br. Shale, 5% Br. Sand
2028	2057	31	80% Red Sand, 20% Br. Shale, Water in hole
2057	2298	241	60% Br. Dolo., 15% Br. Shale, 25% annhy.
2298	2308	10	50% Wjite Limestone, 25% Br. dolo., 25% Br. Sh.
2308	2348	40	10% Br. Sand, 40% Gray Sand, 25% Dolo, 25% anhy.
2348	2388	40	20% Br. Sand, 80% anhy.
2388	2458	70	Br. Dolo 50%, Br. Shale 30%, Br. Sand 20%.
2458	2595	137	Dolo 90%, Br. Shale 10%
2595	2608	13	Gray Sand 40%, Br. Sand 10%, Dolo 50%
2608	2678	70	Dolo 90%, Brown Sand 5%, Dolo 5%
2678	2718	40	Brown Sand 50%, Dolo 50%
2718	2746	28	Br. Dolo 90%, W. Lime 5%, Bl. Shale 5%
2746	2776	30	Br. Sand 60%, Br. Shale 10%, Dolo 30%
2776	2791	15	Sil in hole, 300'
			Light Tan Dolo, San Andres

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 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 "sinkerhooked" 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

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