

DUPLICATE

FORM C-105

N

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

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AREA 640 ACRES  
LOCATE WELL CORRECTLY

Late Oil Company Box 348, San Angelo, Texas  
Company or Operator Address  
J. D. Graham Well No. 1 Sec. NW/4 of 31 T. 16 S  
R. 37 E N. M. P. M., South Lovington Field, Lea County.  
Well is 660 feet south of the North line and 660 feet west of the East line of Sec 31, T16-S, R37-E  
If State land the oil and gas lease is No. -- Assignment No. --  
If patented land the owner is J. D. Graham Address Lovington, New Mex.  
If Government land the permittee is -- Address --  
The Lessee is Late Oil Company Address San Angelo, Texas  
Drilling commenced January 24 19 45 Drilling was completed June 15 19 45  
Name of drilling contractor Cactus Drilling Company Address Box 348, San Angelo, Tex.  
Elevation above sea level at top of casing 3836 feet.  
The information given is to be kept confidential until -- 19 --

OIL SANDS OR ZONES

No. 1, from 4691' to 4763' No. 4, from -- to --  
No. 2, from 4833' to 4893' No. 5, from -- to --  
No. 3, from 4935' to 4995' No. 6, from -- to --

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 85' to 90 feet.  
No. 2, from 440 to 450 feet.  
No. 3, from -- to -- feet.  
No. 4, from -- to -- feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>16"</u>	<u>70#</u>	<u>8</u>	<u>Used</u>	<u>257'</u>	<u>Tex. Patt.</u>				<u>Sur. Pipe</u> <u>Case Water</u> <u>from Salt</u> <u>Section</u> <u>Oil String</u>
<u>8-5/8"</u>	<u>28#</u>	<u>8</u>	<u>SMI</u>	<u>2226'</u>	<u>Texas</u>				
			<u>API</u>		<u>Pattern</u>				
<u>7"</u>	<u>23#</u>	<u>8</u>	<u>"</u>	<u>4538</u>	<u>"</u>				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>18"</u>	<u>16"</u>	<u>257</u>	<u>100</u>	<u>Halliburton Ser.</u>	<u>--</u>	<u>--</u>
<u>11"</u>	<u>8-5/8"</u>	<u>2226</u>	<u>150</u>	<u>"</u>	<u>--</u>	<u>--</u>
<u>8"</u>	<u>7"</u>	<u>4538</u>	<u>200</u>	<u>"</u>	<u>--</u>	<u>--</u>

PLUGS AND ADAPTERS

Heaving plug—Material -- Length -- Depth Set --  
Adapters—Material -- Size --

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		<u>Dowell, Inc.</u>	<u>1000 Gal</u>	<u>5-22-45</u>		
		<u>Dowell, Inc.</u>	<u>1000 Gal</u>	<u>6-7-45</u>		
		<u>Dowell, Inc.</u>	<u>3000 Gal</u>	<u>6-8-45</u>		

Results of shooting or chemical treatment --

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 500 feet to 2226 feet, and from -- feet to -- feet  
Cable tools were used from 0 feet to 500 feet, and from 2226 feet to 5000 feet

PRODUCTION

Put to producing June 15 19 45  
The production of the first 24 hours was 70 barrels of fluid of which 100 % was oil; -- % emulsion; -- % water; and -- % sediment. Gravity, Be --  
If gas well, cu. ft. per 24 hours -- Gallons gasoline per 1,000 cu. ft. of gas --  
Rock pressure, lbs. per sq. in. --

EMPLOYEES

Rube Thacker Driller M. H. Hargus Driller  
Ralph Leslie Driller -- Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 10 San Angelo, Texas July 10, 1945  
day of July 19 45 Name [Signature]  
Position President

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	20'	20'	Caliche
20'	220'	200'	Sand
220'	245'	25'	Gravel
245'	257'	12'	Red Shale
257'	270'	13'	Red Shale
270'	285'	15'	Blue Shale
285'	355'	70'	Red Rock
355'	370'	15'	Blue Shale
370'	395'	25'	Red Rock
395'	400'	5'	Water Sand
400'	450'	50'	Red Rock
450'	495'	45'	Brown
495'	610'	115'	Red Rock
610'	630'	20'	Hard Sand
630'	650'	20'	Red Rock
650'	675'	25'	Red Shale
675'	700'	25'	Blue Shale
700'	1525'	825'	Red Rock
1525'	1607'	82'	Hard Sandy Red Rock
1607'	2055'	448'	Red Shale and Shells
2055'	2100'	45'	Red Shale
2100'	2186'	86'	Anhydrite
2186'	2218'	32'	Salt
2218'	2285'	67'	Salt
2285'	2305'	20'	Broken Salt
2305'	2585'	280'	Salt (2485' Light Air Pocket)
2585'	2630'	45'	Red Potash
2630'	2925'	295'	Salt & Potash
2925'	2965'	40'	Blue Shale
2965'	2980'	15'	Red Shale
2980'	3060'	80'	Anhydrite
3060'	3090'	30'	Salt, Anhydrite & Red Shale
3090'	3175'	85'	Broken Anhydrite
3175'	3300'	125'	Broken Red Rock
3300'	4420'	1120'	Anhydrite & Red Bed
4420'	4460'	40'	Lime
4460'	4538'	78'	Lime & Anhydrite
4538'	4565'	27'	Lime
4565'	4625'	60'	Brown Lime
4625'	4691'	66'	Lime
4691'	5000'	309'	Dolomite & Hard Lime

Elevation - - - - -	3836'	Derrick Floor
Top Anhydrite - - - - -	2100'	by Samples
Top Cowden Anhydrite - - - - -	2790'	" "
Base Salt - - - - -	3000'	" "
Top Yates Sand - - - - -	3115'	" "
Top Yates Brown Lime - - - - -	3280'	" "
Top Queen Red Sand - - - - -	3950'	" "
Top San Andreas Dolomite - - - - -	4659'	" "
Top Pay - - - - -	4691'	" "
Total Depth - - - - -	5000'	" "