

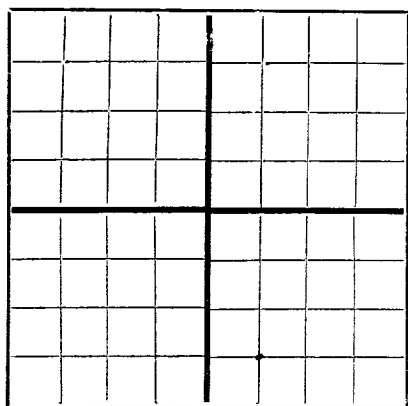
DUPLICATE

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OCT 14 1950

FORM C-105

N



AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Cities Service Oil Company
Company or Operator
Thomas
Lease
Well No. 1 in C. 34 SE of Sec. 19 T. 24S
R. 37E, N. M. P. M. Langlie-Battix Field, Lea County.
Well is 660 feet south of the North line and 1980 feet west of the East line of Sec. 19-24S-37E
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Mrs. Ida L. Thomas Address Jal, New Mexico
If Government land the permittee is Address
The Lessee is Cities Service Oil Company Address Bartlesville, Oklahoma
Drilling commenced Aug. 30 1950 Drilling was completed Oct. 4 1950
Name of drilling contractor Permian Drilling Company Address Odessa, Texas
Elevation above sea level at top of casing 3270 feet.
The information given is to be kept confidential until 19

GAS
SANDS OR ZONES

No. 1, from 3025' to 3440' No. 4, from - to -
No. 2, from - to - No. 5, from - to -
No. 3, from - to - 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 - to - feet. -
No. 2, from - to - 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	
8-5/8"	24	8R	J-55	1150.63'					
5 1/2"	14 3/4	8R	J-55	3347.30'					
2" EUE	4.7#	8R	J-55	3428'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
11 1/4"	8-5/8"	1162.06'	625	Plug		
7-7/8"	5 1/2"	3351'	200	Plug		

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
		Acid	5000	9-25-50	3025' to 3215'	
		Acid	5000	10-6-50	Open hole	
		Acid	1000	10-7-50	Above 3270'	

Results of shooting or chemical treatment Well tested 2439 MCF dry gas per day

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 0 feet to 3663' P3 3440' feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

PRODUCTION

Put to producing - 19 -
The production of the first 24 hours was - barrels of fluid of which - % was oil; - % emulsion; - % water; and - % sediment. Gravity, Be. -
If gas well, cu. ft. per 24 hours 2439 MCF Gallons gasoline per 1,000 cu. ft. of gas -
Rock pressure, lbs. per sq. in. -

EMPLOYEES

Driller - Driller
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 13 th

day of October, 19 50

Fred Lawson

Notary Public

My Commission expires Feb. 8, 1950

Hobbs, New Mexico 10-13-50

Name

Position District Superintendent

Representing Cities Service Oil Company
Company or Operator

Address Drawer C., Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	37'	37'	Surface
37'	313'	276'	Red bed and sand
313'	480'	167'	Red bed and shells
480'	880'	400'	Shale, sand and red rock
880'	945'	65'	Red rock and sand rock
945'	1039'	94'	Red rock and shale
1039'	1140'	101'	Red rock
1140'	1248'	108'	Anhydrite
1248'	1982'	734'	Salt anhy, red bed strks.
1982'	2761'	779'	Salt and anhy.
2761'	2791'	30'	Anhy
2791'	2823'	32'	Anhy and lime
2823'	2863'	40'	Anhy
2863'	2906'	43'	Anhy and lime
2906'	2953'	47'	Lime
2953'	2987'	34'	Sand
2987'	3077'	90'	Lime
3077'	3095'	18'	Lime, shells and gyp sand
3095'	3270'	175'	Lime
3270'	3297'	27'	Lime, anhy, sand strks
3297'	3321'	24'	Lime
3321'	3351'	30'	Lime and gyp strks.
3351'	3393'	42'	Lime
3393'	3407'	14'	Sandy lime (soft)
3407'	3413'	6'	Lime
3413'	3498'	85'	Sand and lime
3498'	3530'	32'	Lime
3530'	3541'	11'	Lime and sand (soft)
3541'	3557'	16'	Lime
3557'	3591'	34'	Lime sand and shell strks
3591'	3595'	4'	Hard lime
3595'	3663' TD	68'	Lime P.B. 3440'

DST #1: Tested brown lime 2900' to 2950' (50'). Tool open 1 hr. 52 min. 1" TC, 5/8" BC. Had slight blow of air throughout test. IFP 0#, FFP 0#, BUP 0#, MCP 1275#. Recovered 25' drilling mud.

DST #2: Tested 2921' to 3010' (89'). Tool open 1 hr. 30 min. 1" TC, 5/8" BC. Gas to surface in 2 min, spray of drilling fluid in 8 min. and steady blow gas 540 MCF per day rate. Recovered 170' salt water, trace of sulphur water. Titrated 184,000 PPM, IFP 525#, FFP 525#, SIP 875#, MCP 1450#.

DST #3: Tested 3008' to 3052' (44') 1" TC, 5/8" BC, tool open 2 hrs. 20 min, and closed 15 min. for BU. Slight blow of air throughout test. Recovered 240' or 3.4 bbls of salt water. IFP & FFP ~~XXXX~~ failed. BUP 1250#, MCP 1650#.

DST #4: Tested 3008' to 3095' (87') TC 1", 5/8" BC Tool open 2 hrs. and closed 15 min for BU, gas to surface 27 min., gas blow at 10 MCF/da rate throughout test. Recovered 60' drilling fluid. IFP 0#, FFP 0#, BUP 700#, MCP 1600#.

DST #5: Tested 3137' to 3213' (76') tool open 1 hr. 35 min. 1" TC, 5/8" BC. Gas to surface in 2 min. Had steady blow of 162 MCF/da rate of gas flow throughout test. Recovered 130' of fluid, 10' drilling fluid and 120' of black salt water. IFP 0#, FFP 25#, BUP 1025#, MCP 1650#.

DST #6: Tested 3212' to 3270' (58'). Tool open 1 hr. 10 min., 1" TC, 5/8" BC. Gas to surface in 1 min. sulphur water spray to surface in 20 min., good blow of gas with very fine spray of sulphur water throughout test. Gas volume 380 MCF/da rate, Recovered 90' black sulphur water. IFP 225#, FFP 225#, SIP 1005#, MCP 1650#.

DST #7: Tested 3363' to 3435' (72') 1" TC, 5/8" BC. Tool open 1 hr. 45 min. and closed 20 min. for BU. Gas to surface in 3 minutes. Unloaded mud in 9 min. and flow of gas at 1329 MCF. Gas was sour and dry. IFP 450#, FFP failed, SIP 625#, MCP 1475#.

DST #8: Tested 3435' to 3520' (85') 1" TC, 1/2" BC, gas to surface in 3 min. with 23.3 MCF gas flow throughout test. Recovered 330' in 2-7/8" DP (1.9 bbls) of oil and gas cut mud. No water. Tool open 1 hr and 25 minute and SI 20 min. for BU, IFP 50#, FFP 50#, SIP 100# MCP 1500#.

DST #9: Tested 3520' to 3595' (75') 1" TC, 1/2" BC. Tool open 1 hr. 32 min. and closed 20 min. for BU. Faint blow air throughout test. Recovered 150' of drilling fluid slightly oil cut. IFP 0#, FFP 50#, BUP 50#, MCP 1500#.

DST #10: Tested 3594' to 3663' (69') 1" TC, 1/2" BC Tool open 1 hr. 48 min and closed 20 min. for BU. Gas to surface in 9 minutes with very faint blow throughout test. Recovered 115' of drilling mud, slight gas cut and cut with sulphur water IFP 0#, FFP 0#, BUP 50#, MCP 1550#.