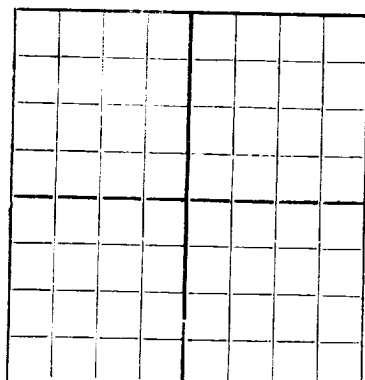


N.

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or 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 TRIPLICATE.

Cities Service Oil Co.

State "NM"

Well No. 1 Company or Operator Cities Service Oil Co. Lease 36 T. 13S  
R. 37E, N. M. P. M., King Field, Lea County.  
Well is 660' feet south of the North line and 4620 feet west of the East line of Sec 36-13S-37E  
If State land the oil and gas lease is No. Unavailable Assignment No. -  
If patented land the owner is - Address -  
If Government land the permittee is - Address -  
The Lessee is Cities Service Oil Company Address Bartlesville, Okla.  
Drilling commenced March 28 19 52 Drilling was completed July 9 19 52  
Name of drilling contractor Guy Mabree Drilling Company Address Midland, Texas  
Elevation above sea level at top of casing 3858 DF feet.  
The information given is to be kept confidential until - 19 -

## OIL SANDS OR ZONES

No. 1, from - to - No. 4, from - to -  
No. 2, from 0 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 FROM	TO	PURPOSE
13-3/8"	48#	8R	H-40	317.59'	Larkin	-	-	-	-
9-5/8"	32# & 36#	8R	H-40 & J-55	4630'	Baker	-	-	-	-

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13-3/8"	333.59'	300	Plug	-	-
12 1/2"	9-5/8"	4644'	2395	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
-	-	-	-	-	-	-

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 0 feet to 11570' 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 - 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 17th Hobbs, New Mexico 7-17-52  
day of July, 19 52 Name Fred E. Eason  
Position District Superintendent  
Representing Cities Service Oil Company  
Notary Public Company or Operator.

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	44	44	Surface, sand, caliche
44	1483	1439	Red bed
1483	1782	299	Red bed and rocks
1782	2115	333	Red bed and anhydrite
2115	2210	95	Anhydrite
2210	2307	97	Red bed and anhydrite
2307	2350	43	Anhydrite
2350	3240	890	Anhydrite and salt
3240	3316	76	Anhydrite
3316	4622	1306	Anhydrite and gyp.
4622	5238	616	Lime
5238	5291	53	Lime and sand
5291	7318	2027	Lime
7318	7381	63	Lime and shale
7381	7452	71	Lime
7452	7490	38	Sand, lime
7490	8737	1247	Lime and shale
8737	8781	44	Gyp and lime
8781	9554	773	Lime
9554	9600	46	Lime and shale
9600	9787	187	Shale, lime and chert
9787	9860	73	Lime and shale
9860	9870	10	Lime
9870	9910	40	Lime and shale
9910	10012	102	Shale lime and chert
10012	10040	28	Shale and lime
10040	10067	27	Shale, lime and dolomite
10067	10135	68	Shale and lime
10135	10143	8	Lime, shale and chert
10143	10169	26	Lime and chert
10169	10189	20	Lime
10189	10210	21	Shale and lime
10210	10237	27	Shale, lime and chert
10237	10241	4	Chert and lime
10241	10253	12	Chert, lime and shale
10253	10263	10	Lime and chert
10263	10302	39	Lime, shale and chert
10302	10360	58	Lime and shale
10360	10365	5	Lime, shale and chert
10365	10443	78	Lime and shale
10443	10461	18	Lime, shale and chert
10461	10710	249	Lime and shale
10710	10712	2	Lime
10712	10752	40	Lime and shale
10752	10798	46	Lime
10798	10998	200	Lime and shale
10998	11086	88	Lime
11086	11102	16	Lime and shale
11102	11136	34	Lime
11136	11233	97	Lime and shale
11233	11241	8	Lime and chert
11241	11254	13	Lime chert and shale
11254	11374	120	Lime and shale
11374	11380	6	Chert lime and shale
11380	11438	58	Lime and chert
11438	11535	97	Lime and shale
11535	11551	16	Lime, shale and chert
11551	11570	19	Lime and shale

## FORMATION TOPS

Anhydrite	2260'
Yates	3130'
San Andres	4556'
Glorietta	6033'
Tubb	7290'
Abo	7994'
Wolfcamp	9240'

DST #1 from 9261-9311' (50'). 1" TC 5/8" BC. Tool open 2 hrs, shut in 20 minutes for BU, slight blow air throughout test. Recovered 100' slightly gas cut drilling fluid. IFP 45# FFP 70#, 20 min SIP 170#, MCP 4330#.

DST #2. Went in hole to run D.T. #2. Drill pipe parted, did not test 9825' 9860'.

D.T. #3. Tested Heuco (9831' to 9870') 39'. Tool open 3 hrs, 1" TC 5/8" BC Gas to surface 1 hr & 20 min, fair blow air throughout test. Recovered 540' fluid, 180' oil and gas cut mud (1.9 bbls); and 360' (3.9 bbls) of drlg fluid, IFP 50#, FFP 110#, 20 min SIP 1730# MCP 4540#.

DST #4. Tried to run DST #4 from 10077' to 10189'. Plug in circulating sub opened when tool was open on bottom.

DST #5. 10077' to 10189' (112'). Tested Wolfcamp. 5/8" BC, No TC, 900' water blanket, tool open 1 hr and SI 20 min for BU. Had good blow air immediately, died in 15 min. Closed and reopened tool, let set 20 min and closed and reopened again to assure perforations were open and tool not plugged. Recovered water blanket and 30' of drilling fluid on bottom with no show of oil or gas. All flowing pressures 0#, MCP 4975#.

DST #6. Tested (10258-10302') 44'. 1" TC, 5/8" BC 1000' water blanket. Tool open 1 hr & 12 min, closed for 20 min BU. Had a weak blow air for 12 min and died, closed and reopened tool to check that it was not plugged let set 1 hr after it died before pulling and recovered water blanket plus 60' drlg fluid which contained some gas bubbles. Pressures less water blanket IFP 0#, FFP 30#, 20 min SIP 30#, MCP 5300#.

DST #7 from 10480'-10514' (34'). 1" TC, 5/8" BC, 1000' water blanket. Tool open 1 hr 10 min, blow air 10 min and died, let set 1 hr with no blow. Rec. 1000' water blanket and 30' of drlg fluid. IFP 430#, FFP 430# 20 min SIP 470#. MCP 5050#.

DST #8: Tested Pennsylvanian 10539'-10560' (21'). Tool open 3 hrs & shut in 20 min for BU (1" TC 5/8" BC 1000' water blanket). Air immediately. Gas to surface 1 hr 5 min, fair to good blow 1st 2 hours, diminishing to no blow end of 3 hrs. Recovered 2700' fluid, 1670' of clean oil (18.3 bbls) 1000' water blanket slightly gas cut, 30' drlg mud could find no salt or sulphur water. IFP 415# FFP 695, 20 min SIP 1787#, MCP 5040#.

DST #9: (10538-10584') 46'. 1" TC, 5/8" BC. Tool open 8 hrs 10 min and closed 1 hr for BU. Gas to surface 2 hrs 35 min. Had weak blow at start increasing to fair blow and then diminishing to no blow. Rec. 365' oil (3.8 bbls) 1000' water blanket & 100' of drlg fluid. IFP 315# FFP 440# 1 hr SIP 1645#.

DST #10 (10598' to 10640') 42'. 1" TC, 5/8" BC. Tool open 5 hrs and SI 30 min for BU. Gas to surface 20 min with good to fair blow. Recovered 1000' water blanket, 120' oil and 100' of drlg fluid, IFP 450#, FFP 450#, BU 2175#, MCP 5125#.

DST #11 (10684'-10712') 28'. Tool open 4 hrs SI 30 min for BU. 1" TC, 5/8" BC. Gas to surface 1 hr 45 min fair blow. Recovered 200' oil 1000' blanket 40' drlg fluid. IFP 438 FFP 495# SIP 935# MCP 5240#.

DST #12 (10723'-10752') 29'. 1" TC 5/8" BC. No water blanket. Tool open 5 hrs and closed 30 min for BU. Gas to surface 20 min recovered 1550' fluid (900') (9.8 bbls) oil, 180' oil and gas cut mud, 470' salt water, 58000 PPM IFP 105#, FFP 555#, 30 min BU 3820#, MCP 5280#. Oil gravity 39.4 deg.

DST #13: (10764-10798) 34'. Tool open 3 hrs and closed 45 min for BU, slight blow air for 3 hrs diminishing to no blow. Recovered 50' drlg fluid & 200' salt water that titrated 184,000 PPM. IFP 0, FFP 20#, SIP failed, MCP 5190#.

DST #14: (10965-11005') 40' top Miss. Tool open 3 hrs with good blow air diminishing to slight blow, gas did not reach surface, closed tool for 30 min and started out of hole. Recovered 30' oil, 1000' water blanket 90' drlg fluid 780' salt water titrating 106,000 PPM. IFP 440#, FFP 785#, SIP 2040#, MCP 5360#.