

DUPLICATE									

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD JUL 15 1953

OIL CONSERVATION COMMISSION

Mail to District Office, Oil Conservation Commission, to which Form 6501 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Cities Service Oil Company

Byers

(Company or Operator)

(Lease)

Well No. 4, in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 7, T. 20S, R. 38E, NMPM.
North Warren McKee Pool, Lea County.

Well is 2310 feet from North line and 2970 feet from East line
of Section 7-20S-38E. If State Land the Oil and Gas Lease No. is -

Drilling Commenced April 26, 19 53. Drilling was Completed July 7, 19 53

Name of Drilling Contractor Makin Drilling CompanyAddress Box 131, Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3577' DF. The information given is to be kept confidential until
19 -

OIL SANDS OR ZONES

No. 1, from <u>9182'</u> to <u>9225'</u>	No. 4, from <u>-</u> to <u>-</u>
No. 2, from <u>-</u> to <u>-</u>	No. 5, from <u>-</u> to <u>-</u>
No. 3, from <u>-</u> to <u>-</u>	No. 6, from <u>-</u> to <u>-</u>

IMPORTANT WATER SANDS

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

No. 1, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 2, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 3, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 4, from <u>-</u> to <u>-</u> feet.	<u>-</u>

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48#	New	312.14	Larkin	-	-	-
8 5/8"	24#&32#	New	3703.50'	Weatherford	-	-	-
5 1/2"	15.5#&17#	New	9167.90'	Howco	-	-	-

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 1/4"	13 3/8"	330'	350	Plug	-	-
11"	8 5/8"	3728'	3093	Plug	-	-
7 7/8"	5 1/2"	9181'	500	Plug	-	-

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

This well was neither shot nor acidized. Treated with 1500 gallon Western Fracture Gel with 1# sand per gallon.

Result of Production Stimulation Well was swabbing at the rate 5.3 barrel per hour total fluid when shut down of which 93% was water.

Depth Cleaned Out

I **ORD 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 9225' feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing - , 19 -

OIL WELL: The production during the first 24 hours was - barrels of liquid of which - % was
was oil; - % was emulsion; - % water; and - % was sediment. A.P.I.
Gravity -

GAS WELL: The production during the first 24 hours was - M.C.F. plus - barrels of
liquid Hydrocarbon. Shut in Pressure - lbs.
Length of Time Shut in -

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.....			T. Devonian.....	8104' -4527'	T. Ojo Alamo.....
T. Salt.....			T. Silurian.....		T. Kirtland-Fruitland.....
B. Salt.....			T. Montoya.....	8597' - 5020'	T. Farmington.....
T. Yates.....			T. Simpson.....	8894' -5317'	T. Pictured Cliffs.....
T. 7 Rivers.....			T. McKee.....	9182' -5605'	T. Menefee.....
T. Queen.....			T. Ellenburger.....		T. Point Lockout.....
T. Grayburg.....	3890' - 313'		T. Gr. Wash.....		T. Mancos.....
T. San Andres.....	4164' - 587'		T. Granite.....		T. Dakota.....
T. Glorieta.....			T.		T. Morrison.....
T. Drinkard.....			T.		T. Penn.....
T. Tubbs.....			T.		T.
T. Abo.....			T.		T.
T. Penn.....			T.		T.
T. Wichita Albany	7030' -3453'		T.		T.
T.			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	80	80	Surface sand & caliche	8875	8890	15	Lime
80	1381	1301	Red Bed	8890	9171	281	Lime and shale
1381	1503	122	Anhydrite & red bed	9171	9225	54	Shale & sand
1503	1538	35	Anhydrite				
1538	2443	905	Anhydrite and salt				
2443	2760	317	Anhydrite				
2760	3049	289	Anhydrite & gyp				
3049	3128	79	Lime				
3128	3255	127	Anhydrite & gyp				
3255	3302	47	Lime				
3302	3376	74	Lime and gyp				
3376	3449	73	Gyp				
3449	3515	66	Lime				
3515	3580	65	Anhydrite & gyp				
3580	3623	43	Anhydrite & lime				
3623	8190	4567	Lime				
8190	8228	38	Lime and chert				
8228	8239	11	Chert				
8239	8244	5	Lime and chert				
8244	8297	53	Chert				
8297	8453	156	Lime and chert				
8453	8605	152	Lime				
8605	8663	58	Lime and chert				
8663	8665	2	Chert				
8665	8875	210	Lime and chert				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

Company or Operator. Cities Service Oil Company
Name. C. M. Hartwell

Charles M. Hartwell July 13, 1953
Address. Box 97, Hobbs, New Mexico
Position or Title. District Superintendent