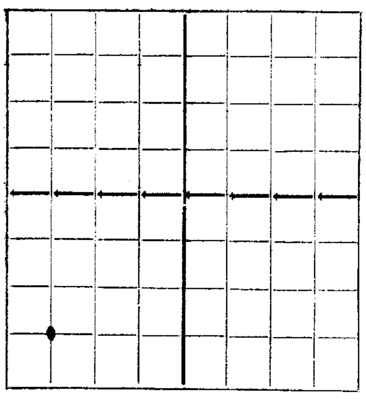
FORM C-105



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 TRIPLICATE.

Cities Service Oil Company   Fraser "C"   Hobbs, New Mexico
Company or Operator   Address

Hodges "B" Well No. 1 in C SW SW of Sec. 1, T. 25-S
Lease

R. 37-E, N. M. P. M., Wildcat Field, Lea County.

Well is 660 feet ~~south~~ North of the ~~North~~ South line and 660 feet ~~west~~ East of the ~~East~~ West line of Sec. 1

If State land the oil and gas lease is No. ______ Assignment No. ______

If patented land the owner is [illegible] Hodges, Address ______

If Government land the permittee is ______, Address ______

The Lessee is Cities Service Oil Company, Address Bartlesville, Oklahoma

Drilling commenced 9-?-46 19__. Drilling was completed 10-7-46 19__

Name of drilling contractor Parker Drilling Company, Address Tulsa, Oklahoma

Elevation above sea level at top of casing 3124 feet.

The information given is to be kept confidential until ______ 19__.

OIL SANDS OR ZONES

No. 1, from 4750 to 4823   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 FROM	PERFORATED TO	PURPOSE
13-3/8	27.3"	8 R.T.	Armco	311'	None				
9-5/8	36#	"	H-40	2626'	Baker				
7"	23#	"	J-55	4747'	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	322'	250	Plug		
12-1/4	9-5/8	2634.9'	1350	"		
9	7	4755	350	"		

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
Gal.		Acid	3,000	10-4-46	4760-4823	

Results of shooting or chemical treatment Flowed Two [illegible] of gas per day after swabbing.

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 Surface feet to 4823 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 1.2 M. CF Gallons gasoline per 1,000 cu. ft. of gas ______

Rock pressure, lbs. per sq. in. 1700# G.I. Surface Pressure

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 23rd day of October, 1946

[signature]
Notary Public

My Commission expires April 2, 1949 ~~March 1?, 1942~~

Hobbs, New Mexico   October 23, 1946
Place   Date

Name [signature]

Position District Superintendent

Representing Cities Service Oil Company
Company or Operator

Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	41	41	Caliche
41	682	641	Caved
682	820	138	Caved & Sand
820	870	50	Sand & Shale
870	895	25	Sandy Lime
895	935	40	Sand & Shale
935	1035	100	Anhydrite & Redbed
1035	1189	154	Shale & Anhydrite
1189	1266	77	Anhydrite & Sand
1266	1460	194	Redbed
1460	1740	280	Redbed & Salt
1740	2238	498	Anhydrite & Salt
2238	2603	365	Anhydrite & Gyp
2603	2755	152	Anhydrite
2755	2795	40	Sandy Lime
2795	2847	52	Anhydrite
2847	2885	38	Sand, Lime
2885	3150	265	Sandy Lime & Anhydrite
3150	4083	933	Sandy Lime
4083	4494	11	Lime & Anhydrite
4494	4525	31	Lime & Anhydrite
4525	4823	298	Lime

Total Depth 4823'

TOPS

Anhydrite	960
Base Salt	2230
Yates	2380
San Andres	3635
Glorietta	4685
Top Pay	4750

DRILL STEM TEST NO. 1 - October 2, 1946
D.S.T. #1, tested from 4710' to 4765'.
Tool open at 1:07 P.M. gas to surface in 13 minutes. Gas volumes as follows: 5 minutes 68,000 Cu. ft. per day; 10 minutes 57,700; 25 minutes 60500; 40 minutes 60500; 47 minutes 60500. Closed in for 20 minutes build up after 1 hr. I.F.P. 125#; FFP 125#; B.H.P. 480#; H.C.P. 2425#. Recovered 195' of gas cut mud.

DRILL STEM TEST NO. 2 - October 3, 1946
D.S.T.#2, tested 4757' to 4823'. Tool open 1214 P.M. 10-2-46; gas to surface in 23 minutes; volume in 5 minutes 25.7 MCF per day; 15 minutes 23.8 MCF; 30 minutes 28.6; 45 minutes 35.2 MCF; 1 hr. 39.0 MCF; 1 hr. 15 minutes 42.5 MCF; 1 hr. 30 minutes 44.8 MCF; 1 hr. 45 minutes 45.2 MCF. Closed tool after 2 hrs. 8 minutes. Took 20 minute build up. Recovered 160' of gas cut mud. I.F.P. 220#; F.F.P. 220#; B.H.P. 1410#; H.C.P. 2380#.