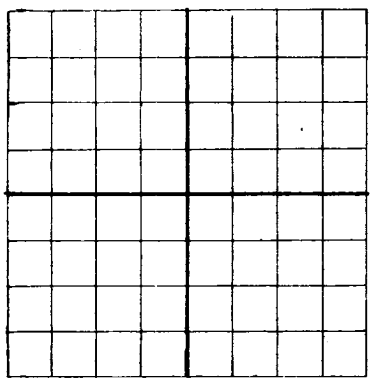
DUPLICATE

FORM C-105

N



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
DEC 1 1945
HOBBS OFFICE

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Harvey E. Yates (Company or Operator) 309 Carper Bldg., Artesia, New Mexico (Address)

Cities Service State (Lease) Well No. 1 in C NE¼ SE¼ of Sec. 27, T. 16 S.

R. 33 E., N. M. P. M., Wildcat Field, Lea County.

Well is 1,980 feet south of the North line and 660 feet west of the East line of Section 27.

If State land the oil and gas lease is No. B-4106 Assignment No. 3

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is Harvey E. Yates, Address Artesia, New Mexico

Drilling commenced March 23 19 44 Drilling was completed August 26 19 44

Name of drilling contractor Harvey E. Yates, Address Artesia, New Mexico

Elevation above sea level at top of casing 4,189 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 _____ 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 150 to 160 feet. _____

No. 2, from 780 to 795 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
12½"				314'	Reg.				Water
10¾"				731'	Reg.				Water
8 5/8"				1490'	Reg.				Salt string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8 5/8	1,490	50	Halliburton		

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
	None					

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 5,004 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____, 19____

The production of the first 24 hours was Dry hole 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

Harold Hancox, Driller F. H. Grant, Driller

W. R. Phillips, 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 29th day of Nov. 1945

Artesia, New Mexico (Place) November 29, 1945 (Date)

Name Harvey E Yates

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	4	4	Caliche
4	45	41	Caliche & red bed
45	240	195	Red sand
240	320	80	Red rock
320	610	290	Red bed
610	665	55	Sandy shale
665	680	15	Sandy shale
680	740	60	Red bed
740	760	20	Shale
760	780	20	Gray shale
780	795	15	Sand and water
795	825	30	Red rock and anhydrite shell
825	866	41	Red rock
866	872	6	Sand
872	890	18	Red bed
890	945	55	Red rock
945	1040	95	Red beds and lime shells
1040	1065	25	Red shale and sandy
1065	1075	10	Red bed and anhydrite shells
1075	1080	5	Red rock and anhydrite shells
1080	1087	7	Lime shells
1087	1125	38	Red beds
1125	1136	11	Anhydrite
1136	1156	20	Red bed
1156	1170	14	Anhydrite
1170	1176	6	Gray sand
1176	1201	25	Red rock
1201	1206	5	Anhydrite
1206	1330	124	Red rock
1330	1346	16	Gray sand
1346	1350	4	Red rock
1350	1377	27	Anhydrite gyp sand
1377	1380	3	Red rock and gyp
1380	1467	87	Red rock
1467	1493	26	Anhydrite
1493	1511	18	Anhydrite and red rock
1511	1596	85	Anhydrite
1596	1616	20	Salt
1616	1663	47	Anhydrite, red rock potash
1663	2595	932	Salt
2595	2670	75	Anhydrite and red bed
2670	2780	110	Anhydrite
2780	2890	110	Red shale
2890	3055	165	Anhydrite
3055	3100	45	Anhydrite and red bed
3100	3705	605	Anhydrite
3705	3735	30	Red sand
3735	4128	393	Anhydrite
4128	4419	291	Lime
4419	4472	53	Red shale
4472	4509	37	Lime
4509	4517	8	White lime
4517	5004	487	Lime

Dry hole depth at 4822