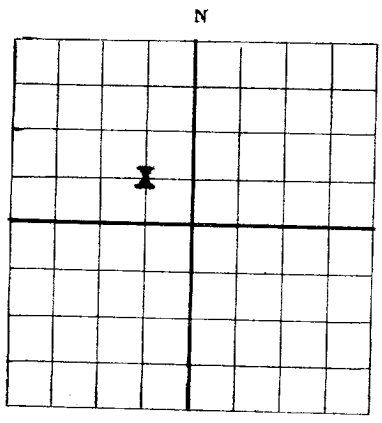
FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

RECEIVED JAN 15 1945

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.

J. C. Watson Drilling Company (Company or Operator) Box 536, Artesia, New Mexico (Address)

Fowler Hair (Lease) Well No. 2 in S E¼ NW¼ of Sec. 14, T. 24 South

R. 37 East, N. M. P. M., Mattix Field, Lea County.

Well is 1980 feet south of the North line and 1980 feet ~~east~~ west of the E line of NW¼ of Section 14

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

If patented land the owner is Fowler Hair-#N.M.804 & Series Address Jal, New Mexico

If Government land the permittee is _____, Address _____

The Lessee is J. C. Watson Drilling Company, Address Artesia, New Mexico

Drilling commenced September 24 1944 Drilling was completed December 14, 1944

Name of drilling contractor J. C. Watson Drlg. Co., Address Artesia, New Mexico

Elevation above sea level at top of casing _____ feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3508 to 3515 No. 4, from 3587 to 3600

No. 2, from 3537 to 3540 No. 5, from 3610 to 3625

No. 3, from 3540 to 3563 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 525 to 545 feet. 6 bailers per hour

No. 2, from 565 to 595 feet. 20 bailers per hour

No. 3, from 1035 to 1045 feet. 4 bailers per hour

No. 4, from 1095 to 1115 feet. 4 bailers per hour

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
8"	28#	8"	S.H.	1274	Texas Pattern Shoe				Water Shut Off
7"	20#	8"	New	3447'-5"	Baker Float				Oil 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
	8"	1274'	50			
	7"	3447'-5"	100	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

Results of shooting or chemical treatment Well was not shot

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 3625' feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing December 16, 1944

The production of the first 24 hours was 75 barrels of fluid of which 100 % 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

R. L. Morris, Driller F. H. Sandwisch, Driller

G. C. Parrish, Driller O. J. Quigley, 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 13th day of January 1945

Sylvia M. Rosenbaum
Notary Public

My Commission expires November 3, 1948

Artesia, N.M. (Place) January 13, 1945 (Date)

Name J. C. Watson

Position Owner Partner

Representing J. C. Watson Drilling Co. (Company or Operator)

Address Box 536, Artesia, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	Sand
70	265	195	Red Bed
265	350	85	Gray Shale
350	375	25	Red Bed
375	405	30	Blue Shale
405	465	60	Red Shale
465	495	30	Gray Shale - Sandy
495	500	5	Red Bed
500	525	25	Gray Shale
525	595	70	Sand-Water 525-545-6 bailers per hour 565-595-20 bailers per hour
595	610	15	Red Bed
610	655	45	Sand, Gray
655	660	5	Red Bed
660	680	20	Gray Shale
680	700	20	Red Bed
700	725	25	Sand
725	780	55	Red Bed
780	905	125	Red Shale
905	945	40	Red Bed
945	985	40	Red Shale
985	1120	135	Anhydrite - Water 1035-1045, 4 bailers per hr. Water 1095-1115, 4 bailers per hr.
1120	1160	40	Red Bed
1160	1180	20	Red Rock
1180	1215	35	Red Bed
1215	1235	20	Red Bed and Salt
1235	1270	35	Red Bed
1270	1295	25	Anhydrite-run 1274' - 8" casing, pulled 780' 10" casing: pulled 120' 12½" casing
1295	1320	25	Anhydrite and Salt
1320	1365	45	Salt and Potash
1365	1400	35	Anhydrite
1400	1435	35	Salt, broken
1435	1530	95	Anhydrite and Salt, potash
1530	1585	55	Salt and Red Bed
1585	1645	60	Salt, Anhydrite and potash
1645	1685	40	Salt and potash
1685	1700	15	Salt
1700	1715	15	Anhydrite
1715	1730	15	Salt, broken
1730	1790	60	Salt and potash
1790	2000	210	S alt
2000	2020	20	Anhydrite
2020	2060	40	Anhydrite and Salt
2060	2100	40	Anhydrite
2100	2185	85	Salt and Anhydrite Shells
2185	22 35	50	Salt
2235	22 70	35	Anhydrite, hard
2270	2275	5	Salt
2275	2285	10	Anhydrite
2285	2295	10	Salt
2295	2305	10	Anhydrite
2305	2400	95	Salt
2400	2435	35	Salt and Anhydrite Shells
2435	2655	220	Anhydrite
2655	2685	30	Anhydrite and Red Shale
2685	2715	30	Anhydrite and Red Bed
2715	2745	30	Anhydrite and Red Rock
2745	2775	30	Anhydrite and Red Shale
2775	2805	30	Anhydrite
2805	2815	10	Anhydrite and Red Shale
2815	3090	275	Anhydrite
3090	3105	15	Anhydrite and Lime
3105	3145	40	Anhydrite
3145	3165	20	Anhydrite and Lime
3165	3180	15	Anhydrite
3180	3442	262	Anhydrite and Lime - run 3447'-5" 7" O.D. Casing, cementing with 100 sacks cement. corrected S.L.M. 3422-3442
3442	3527	85	Lime, light show of oil 3508'-3515'
3527	3540	13	Sandy Lime, increase of oil and gas, well flowed, more pay 3550'-3555'
3540	3548	8	Lime
3548	3563	15	Sand, oil, 3548'-3557'
3563	3587	24	Lime, oil
3587	3600	13	Sand, oil
3600	3625	25	Sand, oil
3625	TOTAL DEPTH		