DUPLICATE

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HOBBS OFFICE

FORM C-105

N

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.

WILSON OIL COMPANY (Company or Operator) Box 627 Santa Fe, New Mexico (Address)

State B-11610 (Lease) Well No. 20 in NW¼NE¼ of Sec. 23 T. 21

R. 34 N. M. P. M. West Eunice Field, Lea County.

Well is [illegible] feet south of the North line and [illegible] feet west of the East line of [illegible].

If State land the oil and gas lease is No. B-11610 Assignment No. [illegible]

If patented land the owner is [illegible] Address [illegible]

If Government land the permittee is [illegible] Address [illegible]

The Lessee is [illegible] Address [illegible]

Drilling commenced October 31 19 46 Drilling was completed Dec. 31 19 46

Name of drilling contractor None Address [illegible]

Elevation above sea level at top of casing 3671' feet.

The information given is to be kept confidential until No 19[illegible]

OIL SANDS OR ZONES

No. 1, from 3835 to 3836 No. 4, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]

No. 3, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

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

No. 1, from 140 to 175 feet Mudded off

No. 2, from 189 to 194 feet " "

No. 3, from 905 to 965 H.F.W. feet

No. 4, from 3835 to 3840 and 3865 feet H.F.W.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CEMENTED	PERFORATED FROM	PERFORATED TO	PURPOSE
16"	70	10	Second hand	183'	Texas	No	No		
13"	50	10	"	713	"	"	"		
10"	40	10	"	1250	"	"	"		
7"	20	8rd.	New	3716	Guide Baker	Plugged as stated below	3522 3572 192 shots	3545 3595	Gas "

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
22"	16"	183'	67	Halliburton		
8 "	7"	3716'	200	"		

PLUGS AND ADAPTERS

Plugged 3865 -3862 - -350 lbs of lead wool compacted to three feet

Heaving plug—Material [illegible] Length [illegible] Depth Set [illegible]

Plugged 3862 -3857 Plastic- after testing decided to plug and perforate for gas

Adapters—Material [illegible] Size [illegible]

Plugged from 3857 up to 3650 in oil string

SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Dowell Acid 15%	2000 gal	Jan.3-47	3835-3860	

Results of shooting or chemical treatment Increased oil slightly- Increased water- hole nearly full- couldn't swab below 2100 feet from surface after 48 hrs steady swabbing after lead wool and plastic plug as above

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.

None

TOOLS USED

Rotary tools were used from None feet to [illegible] feet, and from [illegible] feet to [illegible] feet

Cable tools were used from 0 feet to 3865 feet, and from [illegible] feet to [illegible] feet

PRODUCTION

Put to producing Plugged as above 19[illegible]

The production of the first 24 hours was none barrels of fluid of which [illegible]% was oil; [illegible]% emulsion; [illegible]% water; and [illegible]% sediment. Gravity, Be. [illegible]

If gas well, cu. ft. per 24 hours not tested yet Gallons gasoline per 1,000 cu. ft. of gas [illegible]

Rock pressure, lbs. per sq. in. about 900 lbs to square inch

EMPLOYEES

Charles Quinn Driller Walter High Driller

Thomas Reynolds Driller Joe B. Allen, Supt. [illegible]

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 20th day of January 19 47

Place Santa Fe, New Mexico Date January 20, '47

Name [signature]

Position President

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	10	10	Caliche
10	115	105	Sand
115	132	27	Red rock
132	140	8	Blue shale
140	158	18	Water sand
158	175	17	Sand, gravel, some shale
175	183	8	Red rock
183	185	2	Red shale
185	190	5	Water sand- 3 bailers per h.
190	592	402	Red beds
592	600	8	Blue shale
600	703	97	Sandy shale
703	905	202	Sand and some shale
905	975	70	Sand H.F.W.
975	1085	110	Sand and blue shale
1085	1405	320	Red beds with shale
1405	1607	202	Red beds and red shale
1607	1750	143	Anhydrite
1750	1830	80	Salt
1830	1920	110	Red rock and red shale
1920	2860	940	Salt with red shale and thin plates of anhydrite
2860	2900	40	Anhydrite
2900	3121	221	Salt
3121	3150	29	Anhydrite probably thicker than indicated- Cowden
3150	3335	185	Salt
3335	3365	30	Anhydrite
3365	3427	62	Grey lime (very hard)
3427	3525	98	Lime
3525	3550	25	Red sand and sandy lime (first gas)
3550	3572	22	Sand (more gas)
3572	3595	23	Lime and loose sand interspersed
3595	3607	12	Loose grey sand
3607	3640	33	Lime
3640	3695	55	Red sand with some bentonite- more gas
3695	3837	142	Lime- first showing of oil at 3837' some water 3/4 bailer per hour by actual test
3837	3865	28	Lime- P.B. to 3858' first with 350 lbs lead wool and then with plastic run by Dowell. Then, too much water and plugged back to 3650' 66 feet up in the oil string. Then perforated casing at 3522'- 3545' and 3775' to 3795' for gas.