

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

ARMA 640 ACRES
LOCATE WELL CORRECTLY

Martin Yates, III
Company or Operator
Address
State of New Mexico Well No. 1 in SE 1/4 of Sec. 36, T. 21 S.
R. 27E N. M. P. M. Wilcat Field, Eddy County.
Well is 4520 feet south of the North line and 660 feet west of the East line of Section 36
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Address
If Government land the permittee is Address
The Lessee is Ralph Nix Address Artesia, New Mexico
Drilling commenced Nov. 28 1943 Drilling was completed March 16 th 1944
Name of drilling contractor Bob Helms 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 None to None No. 4, from None to None
No. 2, from None to None No. 5, from None to None
No. 3, from None to None No. 6, from None to None

IMPORTANT WATER SANDS

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

No. 1, from H. F. W. at 90' to 2370' feet. Surface Water
No. 2, from 2380' to 2421' feet. Salt Water
No. 3, from 2480' to 2520' feet. Salt Water
No. 4, from 2630' to 2655' feet. Salt Water

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
10"	38	10	Second hand		Texas Pattern				cut off surface water & cave formation
8 1/4"	28	10	Second hand		Texas pattern				Salt String
7" O. D.	20	8	New 2515'		Float shoe	PURPOSE: Dry hole up			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13"	10"	33 1/2'		Mudded	10 Lb.	25 sacks
10"	8 1/4"			Mudded	10 Lb.	50 sacks
O. D.	7"	2615'		Mudded	10 Lb.	50 sacks

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

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 2655' 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 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Bob Helms 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 20

Place Date

day of March 19 44

Name (Signed) Martin Yates, III

(Signed) Neil B. Watson

Position

Notary Public

Representing (Signed) Martin Yates, III
Company or Operator

My Commission expires

Address Artesia, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	5	5	soil
5	55	50	red shale and shells
55	205	155	red sand and shale breaks
205	215	10	Red shale
215	235	20	Sandy lime
235	263	18	Shale
263	420	57	Anhydrite and red shale
420	465	45	gray shale
465	505	40	anhydrite
505	635	130	Salt
635	645	10	Anhydrite
645	695	50	Salt
695	700	5	Anhydrite
700	840	140	Salt Brine salt
840	2040	1200	Anhydrite
2040	2105	65	Anhydrite and lime
2105	2300	195	Brown lime Top of lime 2105'
2300	2345	45	Sand and shale Top Delaware sand 2300'
2345	2370	25	Sand H. F. W. (Salt)
2370	2380	10	Grey Shale and Lime
2380	2421	41	Sand H. F. W. (Salt)
2421	2426	5	Grey lime Steel line correction (2431-36)
2436	2451	15	Line gray to dark brown
2451	2520	69	Grey sand H. F. W. (Salt)
2520	2530	10	grey lime
2530	2537	7	Black Lime Dries dark brown
2537	2545	8	Black Lime when dry (dark brown)
2545	2551	6	Sandy Shale
2551	2563	12	Lime
2563	2575	12	Sandy Shale
2575	2578	3	Sandy lime
2578	2590	12	Shale
2590	2599	9	Blue shale
2599	2608	9	Black line (coal black when dried)
2608	2614	6	" " " " " "
2614	2630	16	Sand H. F. W. at 2630' (Salt water)
2630	2655	25	Sand Total Depth 2655'