

N.

R-37-E

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company
Company or Operator
Well No. 11 in NW/4 of Sec. 22, T. 21-S, R. 37-E, N. M. P. M., Branson Field, Lea County.
Well is 1650 feet south of the North line and 3630 feet west of the East line of Sec. 22, T-21-S, R-37-E.
If State land the oil and gas lease is No. - Assignment No. -
If patented land the owner is Argo Oil Corp., Address -
If Government land the permittee is - Address -
The Lessee is Shell Oil Company, Address Box 1957, Hobbs, New Mexico
Drilling commenced 11-16 19 51 Drilling was completed 1-7 19 52
Name of drilling contractor Reading & Bates, Address Odessa, Texas
Elevation above sea level at top of casing 3420 feet.
The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 7795 to 8000 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	TO	PURPOSE
13 3/8"	48#	8R	Youngstown	210					Water string
8 5/8"	32#	8R		2891	Baker				Salt string
5 1/2"	15.5#	17#		5126	Larkin				Oil string
(Liner)									
2 3/8"	4.7#	8R		7994	Hung	8002	7979	7991	Tubing 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
17 1/4"	13 3/8"	225	250	Pump & plug		
11"	8 5/8"	2903	1900	Pump & plug		
7 7/8"	5 1/2"	7843	870	Pump & plug		

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
		15% LST acid	1000 gals.	1-14-52	7841-8005	

Results of shooting or chemical treatment After recovering hole lost flowed 83.88 barrels oil in 9 hours.

RECORD OF DRILL-STEM AND SPECIAL TESTS

See Reverse Side

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 0 feet to 8005 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to producing 1-15-52 19
The production of the first 24 hours was 225.45 barrels of fluid of which 99.8 % was oil; - % emulsion; - % water; and 0.2 % sediment. Gravity Be 39.2° API
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. COR 747

EMPLOYEES

Gerald Nickle, Driller, Darman Shelton, Driller
J. W. Nabors, 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 18th

Hobbs, New Mexico

1-18-52

Comaford

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<u>SAMPLE LOG</u>			
0	5400	5400	No samples taken.
5400	5980	580	Dolomite, shale & anhydrite.
5980	6080	100	Dolomite
6080	6320	240	Dolomite & shale
6320	6420	100	Dolomite, shale & Lime.
6420	6550	130	Dolomite
6550	6850	300	Dolomite, lime & shale
6850	7215	365	Dolomite & lime
7215	7340	125	Lime, dolomite & shale
7340	7405	65	Lime, dolomite, shale & chert
7405	7455	50	Lime, dolomite, sand, shale & chert.
7455	7865	410	Shale, dolomite, lime & sand
7865	8000	135	Dolomite
8000	8005	5	Granite wash
TOPS BY SCHLUMBERGER:			
Glorieta		5100 (-1669)	
Clear Fork		5570 (-2139)	
Drinkard		6393 (-2962)	
Wichita		6678 (-3291)	
Permian/Simpson contact		7332 (-3901)	
Top McKee		7398 (-3967)	
Base McKee		7600 (-4169)	
Connell		7735 (-4304)	
Ellenburger		7795 (-4364)	
Ellenburger dolomite		7856 (-4425)	
Granite Wash		8000 (-4569)	
<u>DST #1:</u>	5519-5710 (191' Blinbry dolomite)		Tool open 30 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 4 min., mud in 8 min. Flowed to clean & stabilize. Then flowed gas w/condensate mist @ stabilized rate of 3 MMcf/day. Recovered 540' (3.8 bbls.) condensate & gas cut mud. HMM 2700 psi. FBHP 825 psi. 30 min. SIBHP 2350 psi. Positive Test.
<u>DST #2:</u>	5707-5970 (263' Clear Fork dolomite)		Tool open 2 1/2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair blow throughout test. Gas to surface in 30 min. Recovered 540' (3.78 bbls.) oil & gas cut mud. HMM 2900 psi. FBHP 525 psi. 30 min. SIBHP 1325 psi. Positive Test.
<u>DST #3:</u>	6047-6238 (191' Tubb dolomite)		Tool open 35 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 5 min., mud in 15 min. Flowed to clean & stabilize then flowed gas w/heavy mist of condensate @ stabilized rate of 1.7 Mcf/day. Recovered 540' (3.78 bbls.) gas & condensate cut mud. HMM 3025 psi. FBHP 575 psi. 15 min. SIBHP 2400 psi. Positive Test.
<u>DST #4:</u>	6820- 7100 (280' Wichita dolomite)		Tool open 2 hrs. & 15 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak air blow throughout test. Rec. 90' (0.63 bbls.) very slightly gas cut mud. HMM 3575 psi. FBHP 0 psi. 30 min. SIBHP 0 psi. Positive Test.
<u>DST #5:</u>	7100-7300 (200' Wichita dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair air blow throughout test. Recovered 210' (1.5 bbls.) very slightly gas cut mud. HMM 3725 psi. FBHP 0 psi. 30 min. SIBHP 400 psi. Positive Test.
<u>DST #6:</u>	7836-8005 (169' Ellenburger dolomite)		Tool open 130 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Very strong blow immediately. Gas in 4 min., mud in 19 min., oil in 27 min. Flowed 41.25 bbls. oil in 90 min. GOR 908. HMM 4000 psi. FBHP 1100 psi. 15 min. SIBHP 1000 psi. Positive Test.