

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

Argo "A"

Well No. 9 in NW/4 of Sec. 22, T. 21-S

R. 37-E, N. M. P. M., Hare Field, Lea County.

Well is 980 feet south of the North line and 4780 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 9-9-51 19 Drilling was completed 10-28 19 51

Name of drilling contractor E. F. Moran, Inc., Address Hobbs, New Mexico

Elevation above sea level at top of casing 3425 feet.

The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 7609 to 7848 No. 4, from -- to --

No. 2, from 7932 to 7964 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"	32#	8R		203'					Water string
8 5/8"	32#	8R	J&L	2885'	Baker				Salt string
			Republic						
5 1/2"	17# 15.5#	8R	Spang	5296'			7654	7963	Oil string
Liner							(115 net feet)		
2 3/8"	4.7#			7997'	Hung	8006'	7868	7884	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"	218	250	Pump & plug		
11"	8 5/8"	2900	1700	Pump & plug		
7 7/8"	5 1/2"	8025	1125	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
--						

Results of shooting or chemical treatment --

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 8035 feet, and from -- feet to -- feet.

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

PRODUCTION

Put to producing 11-1 19 51

The production of the first 24 hours was 185 barrels of fluid of which 100 % was oil; -- %

emulsion; -- % water; and -- % sediment. Gravity, 43.3° API corrected

If gas well, cu. ft. per 24 hours -- Gallons gasoline per 1,000 cu. ft. of gas --

Rock pressure, lbs. per sq. in. GCR 969

EMPLOYEES

F. R. Knight, Driller R. E. Lee, Driller

C. P. Stewart, 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 6th Hobbs, New Mexico 11-6-51

Place

Date

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<u>SAMPLE LOG</u>			
0	5000	5000	No samples taken.
5000	7290	2290	Dolomite, lime and anhydrite
7290	7614	324	Shale & lime
7614	7816	202	McKee sand & shale
7816	7938	122	Sand, shale & lime
7938	7963	25	Connell sand
7963	8035	72	Lime & shale
<u>TOPS BY SCHLUMBERGER:</u>			
Glorieta		5114 (-1677)	
Clear Fork		5583 (-2146)	
Drinkard		6392 (-2955)	
Permian/Simpson contact		7288 (-3851)	
Top McKee		7609 (-4172)	
Base McKee		7812 (-4375)	
Connell		7938 (-4501)	
Ellenburger lime		8003 (-4566)	
<u>DST #1:</u>	6855-7096 (241' Wichita dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 6 min., mud in 50 min. Flowed estimated 1/4 bbl. mud in 7 min. & died. Closed tool for build-up & drill pipe unloaded. Broke circulation plug & reversed recovery. Recovered 7000' (49 bbls.) of 41.1° API gravity oil. HMM 4000 psi. FBHP 1000-1400 psi. 30 min. SIBHP failed. <u>Positive Test.</u>
<u>DST #2:</u>	7090-7210 (120' Wichita dolomite)		Tool open 3 hrs. 45 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair blow throughout test. Gas to surface in 19 min. Recovered 630' (4.41 bbls.) very heavily oil & gas cut mud estimated 35% oil. HMM 3750 psi. FBHP 400-500 psi. 30 min. SIBHP 3000 psi. <u>Positive Test.</u>