

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
WELL RECORD
JUL 6 1961

WELL RECORD

JUL 6 1953

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company
(Company or Operator)

(Lease)

Well No. 3, in 37 1/4 of 58 1/4, of Sec. 1, T. 11, R. 37, NMPM.

Resol. _____ Pool, _____ Loc. _____ County.

Well is 990 feet from outh line and 660 feet from ort line.

of Section..... If State Land the Oil and Gas Lease No. is.....

Drilling Commenced..... **3-3**, 19. **53** Drilling was Completed..... **4-4**, 19. **53**

Name of Drilling Contractor..... **Arrow Drilling Company**

Address 105 Hendricks Building, Deana, Texas

Elevation above sea level at Top of Tubing Head..... **3940'** The information given is to be kept confidential until
Not confidential....., 19.....

No. 1, from 11,666 to 11,750 No. 4, from.....to.....

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

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.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48	New	348		None	None	Surface String
8-5/8	32	New	4298	ashdown	None	None	alt String
9-1/2	17 & 15.5	New	11,677	ocker	None		oil string

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	13-5/8"	362'	325	Pump & Plug	Cemented to surface	
11"	8-5/8"	4298'	2200	Pump & Plug	Cemented to surface	
7-7/8"	5-1/2"	11,690'	150	Pump & Plug		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Treated open hole with 1000 gallons 15% non-emulsion (cardinal) acid. Max. and final injection pressures were 1750 psi @ 2 L/M. Treating time 12 mins.

Result of Production Stimulation..... oil would not flow. 300 T pumped rate of 249 MFD out 43 meter.

..Depth Cleaned Out.....

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 0' feet to 11,750' feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 6-30, 19 53.

OIL WELL: The production during the first 24 hours was 428 barrels of liquid of which 37% was oil; % was emulsion; 42% water; and % was sediment. A.P.I. Gravity 61 deg. 365

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.		T. Devonian.	11,666' (-7715')
T. Salt.		T. Silurian.	
B. Salt.		T. Montoya.	
T. Yates.		T. Simpson.	
T. 7 Rivers.		T. McKee.	
T. Queen.		T. Ellenburger.	
T. Grayburg.		T. Gr. Wash.	
T. San Andres.		T. Granite.	
T. Glorieta.	5698' (-1741')	T. Alfalfa.	5933' (-4982')
T. Drinkard.	116' (-985' (-304'))	T.	
T. Tubbs.		T.	
T. Abo.	7689' (-7738')	T.	
T. Penn.	(Virel, 9494' (-5543'))	T.	
T. Miss.	10,942' (-6991')	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	4200	4200	No samples taken	11,670'	11,750'	80'	Devonian.
4200	4250	50	Anhydrite & Dolomite	Log 1: 11,670' - 11,750' (80' Devonian). Tool open 3 hours thru 3/4" TC and 1" TC on 4 1/2" mod. strong air blow. in one hour with strong blow gradually decreasing to weak at end of test. Jarred 45 mins. to free packers. Pulled 3 stands and uncoupled clean oil. 11,400' (162 bbls.) of fluid in drill pipe. Recovered: 11,300' (160 bbls.) 39 deg. gravity oil, cut 0.2 of 1% drilling mud - no water plus 100' (0.5 bbls.) very heavily with drilling mud. 901 975 - 4050 psi, 30-min. I.H.P.: 4650 psi, 6250 psi Positive Test. (Johnston)			
4250	6980	2730	Dolomite				
6980	7250	270	Lime, sandstone, anhydrite & Dolomite				
7250	7680	430	Dolomite				
7680	8600	920	Lime				
8600	8900	300	Dolomite				
8900	10,700	1800	Limestone, Dolomite & Lime				
10,700	10,900	200	Sandstone & Lime				
10,900	11,450	550	Limestone & Hart				
11,450	11,660	210	Lime				
11,660	11,750	90	Dolomite				
TD	11,750		Dolomite				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

July 2, 1953

Company or Operator Shell Oil Company
Name E. W. Johnston

Address P. O. Box 1957, Hobbs, New Mexico
Position or Title Division Reservoir Engineer