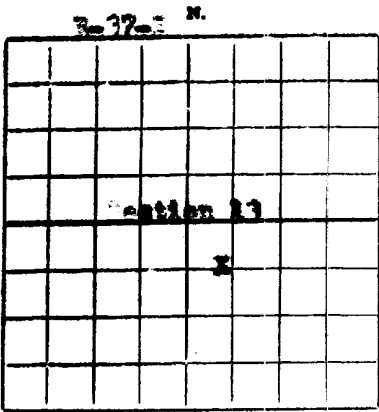




NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Shell Oil Company (Company or Operator) 100 (Lease)

Well No. 4, in 1/4 of 33, 1/4 of Sec. 13, T. 18-S, R. 32-S, NMPM.

obbs Pool, 100 County.

Well is 1980 feet from south line and 1980 feet from east line of Section 13. If State Land the Oil and Gas Lease No. is -

Drilling Commenced June 22, 1957 Drilling was Completed July 12, 1957

Name of Drilling Contractor Jennings Oil Co.

Address 211 S. Portland Hobbs, New Mexico

Elevation above sea level at Kelly Machine 3679' The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 1000' to 1000' 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	32	new	300				Surface String
5 1/2"	15.5	new	423			400' - 4004'	Oil 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
10 1/2"	8 5/8"	312	300	Pump & Plug	Cemented & surface	
7 7/8"	5 1/2"	423	1100	ump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

1. tested perforations w/1000 gallons acid and injected same.

2. Treated down tubular and casing w/15,000 gallons gelled latex crude containing 1/2% sand and 1/2-3/4% gel. Adonite, overflushed w/50 gal.

1. In 15 hours swabbed 27 gal, cut 25 acid water and swabbed dry.

Result of Production Stimulation 2. n GPM flowed 56 BOPD (based on 61 BOPD in 20 hours) thru 30/60" choke. FTP 110 psi. GPM 220 psi. Gravity 33.3 deg. API 6247. 4000' Depth Cleaned Out.

REPORT 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 4243 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing July 27, 1957, 19
OIL WELL: The production during the first 24 hours was 56 barrels of liquid of which 99.4% was oil; % was emulsion; 0.6% water; and % was sediment. A.P.I. Gravity 33.3 deg. API
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	T. Ojo Alamo
T. Salt		T. Silurian	T. Kirtland-Fruitland
B. Salt		T. Montoya	T. Farmington
T. Yates	2700 (+ 375')	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	2409 (+ 730')	T. McKee	T. Menefee
T. Queen	2157 (+ 220')	T. Ellenburger	T. Point Lookout
T. Grayburg	2770 (- 91')	T. Gr. Wash	T. Mancos
T. San Andres	2585 (- 371')	T. Granite	T. Dakota
T. Glorieta		T. Overo Sand 3150 (+ 427')	T. Morrison
T. Drinkard		T. Menrose Sand 3625 (+ 52')	T. Penn
T. Tubbs		T.	T.
T. Abo		T.	T.
T. Penn		T.	T.
T. Miss		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	318	318	Surface Sands, Caliche & Red beds.				
318	1628	1310	Red beds & Anhydrite				
1628	2461	833	Anhydrite & Salt				
2461	2809	1348	Anhydrite & Gyp				
2809	3774	165	Anhydrite & Solomite				
3774	4243	269	Solomite				
	Tr	4243					
* See attachment for Drill Stem Test data.							

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 29, 1957
Company or Operator Shell Oil Company
Name J. E. Novill R. Smith
Address P. O. Box 1957 Hobbs, New Mexico
Position or Title Division Production Engineer

ATTACHMENT

DRILL STEM TEST DATA

- DST # 1: 4190' - 4243'. Tool open 1 hour thru 5/8" RC, 1" TC on 3 1/2" DS. Immediate strong air blow decreasing to weak at end of test. NGTS. Recovered: 2700' (20 bbls.) muddy sulphur water. FBHP 1140 - 1260 psi. (Reached maximum pressure after tool open 10 mins +). 30 min. SIBHP 1260 psi. RMH 2450 - 2380 psi. Positive Test. (Johnston).
- DST # 2: 4092' - 4124' Straddle Test. Tool open 1 1/2 hours thru 5/8" RC, 1" TC on 3 1/2" DS. Immediate good air blow remaining good throughout test. NGTS. Recovered: 100' sulphur water cut mud + 720' sulphur water. Total fluid 6 bbls. Had some gas in drill pipe. FBHP 65 - 390 psi. 30 min. SIBHP 1115 psi. (Fully built-up). Positive Test. (Johnston).
- DST # 3: 4124' - 4190'. Straddle Test. Tool open 30 mins. thru 5/8" RC, 1" TC on 3 1/2" DS. Immediate strong air blow, decreasing after 15 mins. Lead in 24 mins. NGTS. Recovered: 250' mud cut sulphur water + 2550' sulphur water (Total 21 BF). FBHP 445 - 1165 psi. 30 mins. SIBHP 1175 psi. RMH 2310 - 2315 psi. Positive Test. (Johnston).

SHELL OIL COMPANY

10-10-20

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