

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.

Section 27

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

State NM

Well No. 1, in NE 1/4 of SW 1/4, of Sec. 27, T. 19-S, R. -35-E, NMPM.
Wildcat Pool, Lea County.
Well is 1900 feet from south line and 1900 feet from west line of Section 27. If State Land the Oil and Gas Lease No. is 2-5838.
Drilling Commenced June 30, 1957. Drilling was Completed August 3, 1957.
Name of Drilling Contractor Jennings Drilling Company
Address Box 877, Hobbs, New Mexico
Elevation above sea level at Top of Tubing Head 3716.
Not confidential. The information given is to be kept confidential until , 19.

OIL SANDS OR ZONES

No. 1, from 4707 to 4857
No. 2, from to
No. 3, from to
No. 4, from to
No. 5, 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	313'				Surface String
5 1/2"	13.5#	New	5687'			4707' - 4722'	Oil String
						4836' - 4843'	
						4852' - 4857'	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	8 5/8"	317	300	Pump & Plug	Cemented to surface	
7 7/8"	5 1/2"	5677	550	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

See Attachment

Result of Production Stimulation On GPT enabled 208 BOPD / 69 BOPD (based on 127 NF in 11 hours out 25% water).

Depth Cleaned Out 4842'

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 3699 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing September 8, 1957
OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.
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. Montova	T. Farmington
T. Yates	3403' (-1324')	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	3908' (-1775')	T. McKee	T. Menefee
T. Queen	4575' (-848')	T. Ellenburger	T. Point Lookout
T. Grayburg	5221' (-1404')	T. Gr. Wash	T. Mancos
T. San Andres	5995' (-1668')	T. Granite	T. Dakota
T. Glorieta		T. Pennsco 4786' (-1059')	T. Morrison
T. Drinkard		T.	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	4500	4500	No samples taken				
4500	5088	528	Dolomite & Anhydrite				
5088	5699	679	Dolomite				
	to	5699					

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.

September 18, 1957

(Date)

Company or Operator Shell Oil Company
Name P. A. Donnie

Address Box 1957, Hobbs, New Mexico
Position or Title Division Exploitation Engineer

Washed perforations 5668' - 5677' w/500 gallons MCA. Reversed out.
Treated w/1000 gallons MCA. Flushed w/20 BO.

In 16 hours swabbed 29 BF, cut 3% water & 2% BS.

Loaded hole w/oil. Broke formation down w/20 BO. Treated formation via casing & tubing w/10,000 gallons gelled lease crude containing F-3 0.1#/gallon fluid-loss additive & 1#/gallon sand. Overflushed w/50 BO.

In 11 hours swabbed 17 BLO.

Set Cast Iron Bridge Plug @ 5190' & capped w/ 1sx. cement. PBTD 5182'.

Washed casing perforations 5158' - 5170' w/500 gallons MCA. Pumped 250 gallons in formation.

In 9 hours swabbed 6 BF cut 15% BS.

Treated formation via tubing & casing w/10,000 gallons gelled lease crude containing F-3 fluid loss additive & 1#/gallon sand. Overflushed w/50 BO.

In 4 hours swabbed 22 BF cut 90% water & 4% BS.

Set CIBP @ 4900' & capped w/ 1 sx. cement. PBTD 4892'.

Treated perforations 4869' - 4877' w/10,000 gallons gelled lease crude containing fluid loss additive F-3 & 1#/gallon sand. Overflushed w/50 BO.

Set retrievable bridge plug @ 4862'. Loaded hole w/oil. Broke formation w/5 BO. Treated casing perforations 4834' - 4845' & 4852' - 4857' via 2 1/2" tubing w/10,000 gallons gelled lease crude w/1#/gallon sand & 0.1#/gallon FIA (F-3). Overflushed w/50 BO.

Reset retrievable bridge plug @ 4732' & packer @ 4680'. Broke formation w/15 BO. Treated via 2 1/2" tubing w/10,000 gallons gelled lease crude containing 0.1#/gallon Adomite FIA & 1#/gallon sand. Overflushed w/50 BO. Pulled tubing & packer.

In 24 hours swabbed 253 BF cut 80% water.

Set retrievable bridge plug @ 4862'.

On OPT swabbed 208 BOPD / 69 BWPD (based on 127 BF in 11 hours cut 25% water).

Set CIBP @ 4866' & capped w/1/2 sx. cement. PBTD 4862'.

- DST # 1: 5432' - 5490' (58' San Andres dolomite). Tool open 30 minutes thru 5/8" BC & 1" TC on 3 1/2" DS. Immediate very weak blow that died in 3 minutes. By-passed tool & re-opened w/very weak blow that continued throughout test. NQTS. Recovered 95' (0.46 bbls.) mud w/no show. 30 minutes ISIBHP 100 psi. FBHP 100 psi. 30 minutes FSIBHP 120 psi. HMM 3140 psi. Maximum BHT 138 deg. F. Conclusive Test. (Cook)
- DST # 2: 5635' - 5695' (60' San Andres dolomite & anhydrite). Tool open 45 minutes thru 5/8" BC & 1" TC on 3 1/2" DS. Tool opened w/few air bubbles & died. Dropped another bar which resulted w/5 bubbles & died. By-passed packers. Tool re-opened w/very weak blow which lasted throughout test. NQTS. Recovered 180' (0.94 bbl.) SOCM. FBHP 120 - 160 psi. 30 minutes FSIBHP 400 psi. HMM 3300 psi. Maximum temperature 141 deg. F. Conclusive Test. (Cook)