

Section 14

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company
(Company or Operator)

J. R. Smith

(Leas

Well No. **2**, in **NW** 1/4 of **NE** 1/4, of Sec. **14**, T. **-21S**, R. **-37E**, NMPM.

Drinking

Pool.

Index

County.

Well is 660 feet from North line and 1980 feet from East line

of Section 14 If State Land the Oil and Gas Lease No. is -

Drilling Commenced 12-31, 1953 Drilling was Completed 1-31, 1954

Name of Drilling Contractor..... **Bosworth Drilling Company**

Address Odessa, Texas

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

OIL SANDS OR ZONES

No. 1, from.....to..... 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
13-3/8"	29.5	New	211'				Surface String
8-5/8"	32	New	2987'	Baker			Salt String
5-1/2"	15.9	New	6481'	Larkin			Oil String
2-3/8"		New	212 lbs.			6519-6523'	Tubing String
2-7/8"		New	5 lbs.				

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"	223	250	Pump & Plug	Outd. to Surface	Out. Did Not Circulate
11"	8-5/8"	3000	2040	Pump & Plug	Outd. to Surface	
7-7/8"	5-1/2"	6490	350	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

After treating the open hole intervals 6577-6631', 6490-6559' and 6490-6562' with 1500 gallons, 1500 gallons and 3000 gallons, respectively, and treating open hole interval 6490-6631' with 6000 gallons. Olefloc containing 1# sand per gallon - on CRT flowed 66.12 BO, cut 0.41 BSAW in 24 hours thru 12/64" choke.

Result of Production Stimulation.....

..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 6631 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 3-22, 19 54
OIL WELL: The production during the first 24 hours was 66.39 barrels of liquid of which 96.6 % was
was oil; % was emulsion; 0.4 % water; and % was sediment. A.P.I.
Gravity 38 deg. - GOR 1240
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			T. Simpson		T. Pictured Cliffs
T. 7 Rivers			T. McKee		T. Menefee
T. Queen			T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres			T. Granite		T. Dakota
T. Glorieta	5200' (-1769')		T. Clear Fork	5638' (-2221')	T. Morrison
T. Drinkard	6489' (-3058')		T. Tubb "A"	6126' (-2695')	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	227	227	Surface Sands, Caliche and Red Beds				
227	961	734	Red Beds				
961	1384	423	Salt & Anhydrite				
1384	2963	579	Anhydrite				
2963	6631	3668	Dolomite				
	Total Depth						

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.

March 23, 1954

Original signed by
B. Nevill
(Date)

Company or Operator Shell Oil Company
Name B. Nevill

Address P. O. Box 1257, Hobbs, New Mexico
Position or Title Division Exploitation Engineer

ATTACHMENT FORM C-105

SMITH 2 - DRINKARD FIELD

- DST #1: 5620-5850' (230' Blinberry). Tool open 1 hour 10 minutes thru 1" BC and 1" TC on 4" DS. Lamed. strong air blow. GTS in 9 minutes. After flowing to air for 1 hour, measured flow rate 308 MCFG/D. Took 30-minute SIBHP. After pulling 49 stands drill pipe unloaded. RECOVERED: 460' (4.7 bbls.) gas and heavily oil cut mud, 276' (2.8 bbls.) mud cut oil (est. 70% oil) and 306' (3.1 bbls.) gas and mud cut water. Rec. wtr. titrated 7000 ppm Cl⁻. Pit mud filtrate titrated 1700 ppm Cl⁻. FBHP 150-410 psi, 30-min. SIBHP 2230 psi, HMH 2495 psi. Positive Test.
- DST #2: 6107-6347' (240' Tubbs). Tool open 60 minutes thru 5/8" BC and 1" TC on 4" DS. Good blow lasting throughout test. GTS in 10 minutes. Volume TSTM. RECOVERED: 244' (2.5 bbls.) very slt cond. and gas cut mud. FBHP 200-225 psi, 30-min. SIBHP 1900 psi, HMH 3100 psi. Positive Test.
- DST #3: 6559-6631' (72' Drinkard Dolomite). Tool open 60 minutes thru 1" BC and 1" TC on 4" DS. Very weak air blow dying after 15 minutes. After 30 minutes, closed and reopened tool. Very weak air blow dying in 10 minutes. RECOVERED: 100' (0.55 bbls.) drilling mud with no shows. FBHP: 0-45 psi, 30-min. SIBHP 185 psi, HMH 3120 psi. Positive Test.

ATTACHMENT 1 OF 2-102

WITH 2 - MINUTE FIRM

1: 2820-2830' (2820' Elevation). Tool open 1 hour 10 minutes thru
1" to 10" on 4" DE. Landed at 2820' air blow. 2820' in 2
minutes. After flowing to air for 1 hour, measured flow rate
308 MCFG/D. Took 30-minute drill. After pulling 49 seconds
drill pipe unloaded. (REMARKS: 480' (4.7 bbls.) gas and
heavily oil cut mud, 2820' (2.8 bbls.) mud cut oil (lost 700 oil)
and 306' (3.1 bbls.) gas and mud cut water. Rec. wt. finished
3000 gpm oil. The mud filtrate titrated 1700 gpm oil. 2820-
410 psi, 30-min. drill 2820 psi, 1820 2492 psi. Positive Test.

2: 3107-3117' (3107' Elevation). Tool open 30 minutes thru 2" to 10" on 4" DE. Good flow lasting throughout test. 3107 in 15 minutes.
Volume 3107. (REMARKS: 3117' (2.5 bbls.) very oil cond. and gas cut
mud. 3107-3200 psi, 30-min. drill 3107 psi, 1820 3100 psi.
Positive Test.

3: 3229-3231' (3229' Elevation). Tool open 30 minutes thru 1" to 10" on 4" DE. Very weak air blow during after 15 minutes.
After 30 minutes, closed and reopened tool. Very weak air blow
during in 10 minutes. (REMARKS: 3231' (0.55 bbls.) drilling mud and
no shows. 3229-3231 psi, 30-min. drill 3229 psi, 1820 3120 psi.
Positive Test.