

H-37-E

AREA 640 ACRES
LOCATE WELL CORRECTLY

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 et al
(Company or Operator)

Buckley A
(Lease)

Well No. 5, in NE 1/4 of SW 1/4, of Sec. 25, T. 14-S, R. 37-E, NMPM.

Denton Pool, Lee County.

Well is 1650 feet from south line and 1650 feet from west line of Section 25. If State Land the Oil and Gas Lease No. is -

Drilling Commenced August 11, 1954. Drilling was Completed October 17, 1954.

Name of Drilling Contractor Company Tools (Rig # 14)

Address Box 1509, Midland, Texas

Elevation above sea level at Top of Tubing Head 3808. The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 12,310 to 12,600 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"	48#	new	323'				Surface String
8 5/8"	32#	new	4715'				Salt String
5 1/2"	17# A20#	new	12,307'				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
17 1/4"	13 3/8"	340'	375	Pump & Plug	Cemented to Surface	
11"	8 5/8"	4730'	2200	Pump & Plug	Cemented to Surface	
7 7/8"	5 1/2"	12,321'	1000	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Spotted 500 gallons Mud Clean Out Agent opposite formation - went in on vacuum.

Result of Production Stimulation. On OPT flowed 434 BOPD (based on 253 BO in 14 hours) out 0.1% BS, no water, thru 20/64" choke, FFP 475 psi, OP 0 psi. Gravity 46.1 deg. API. GOR 598.
Depth Cleaned Out.

RECORD OF DRILL-STEM AND SPECIAL TEST

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 12,600 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 23, 1954

OIL WELL: The production during the first 24 hours was 434 barrels of liquid of which 92.9% was oil; % was emulsion; % water; and 0.1% was sediment. A.P.I. Gravity 46.1 deg. COR 598.

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 12,310' (-8492')	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 6213' (-2395')	T. Wolfcamp 9269' (-5451')	T. Morrison.
T. Drinkard 3111 & 7347' (3529')	T.	T. Penn.
T. Tubbs.	T.	T.
T. Abo 8042' (-4224')	T.	T.
T. Penn.	T.	T.
T. Miss 11,460' (-7648')	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	9200	9200	No samples taken				
9200	10371	1171	Lime				DST # 1: 9270' - 9390'
10371	10397	26	Lime & Sand				(120' Wolfcamp). Tool open
10397	10626	229	Lime				1 hour thru 1" TC & 5/8" BC
10626	10721	95	Lime & Shale				on 3 1/2" DS. Weak air blow
10721	12150	1429	Lime, Shale & Chert				immediately died in 7 minutes.
12150	12250	100	Lime & Shale				By-passed packers. Weak air
12250	12310	60	Shale				blow immediately died in 6
12310	12600	290	Dolomite				minutes. RECOVERED: 40' mud
							w/as. IFBHP 0 psi. FFBHP 100
							psi. 30 minutes SIDHP 825 psi.
							FBHP 4425 psi.
							Positive Test.

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.

October 26, 1954 (Date)
Company or Operator Shell Oil Company Address Box 1957, Hobbs, New Mexico
Name B. Nevill Original signed by B. Nevill Position or Title Division Exploitation Engineer