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AREA 640 ACRES
LOCATE WELL CORRECTLYShell Oil Company
(Company or Operator)Buckley B
(Lease)Well No. 2, in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 25, T. -14-S, R. -37-E, NMPM.
Denton Pool, Lea County.Well is 990 feet from north line and 330 feet from west line
of Section 25. If State Land the Oil and Gas Lease No. is -Drilling Commenced September 24, 19 54 Drilling was Completed December 4, 19 54Name of Drilling Contractor Noble Drilling CompanyAddress Drawer 550, Midland, TexasElevation above sea level at Top of Tubing Head 3815
not confidential The information given is to be kept confidential until
19 54

OIL SANDS OR ZONES

No. 1, from 12,450 to 12,605 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	372				Surface String
8 5/8"	32#	new	4,758				Salt String
5 1/2"	17#20#	new	12,457				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 1/2"	13 3/8"	373	400	Pump & Plug	Cemented to Surface	
11"	8 5/8"	4,774	2600	Pump & Plug	Cemented to Surface	
7 7/8"	5 1/2"	12,472	900	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Treated open hole interval 12,472' - 12,605' w/1000 gallons 15% C&B mud acid.

Result of Production Stimulation On OPT flowed 425 BOPD (based on 248 BO in 14 hours) average cut 0.4%
38, no water, thru 22/64" choke. TP 375 - 490 psi. GP 0 psi. Gravity 46.6 deg. API.
GOR 874. Depth Cleaned Out 12,472'

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 12,605 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 11, 1954

OIL WELL: The production during the first 24 hours was 425 barrels of liquid of which 99.6% was oil; % was emulsion; % water; and 0.4% was sediment. A.P.I. Gravity 46.6 deg. COR 874

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 12,450' (-8625')	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 6208' (-2383')	T. Wolfcamp 9324' (-5499')	T. Morrison
T. Drinkard 3114 7340' (-3515')	T.	T. Penn.
T. Tubbs	T.	T.
T. Abo 8079' (-4254')	T.	T.
T. Penn.	T.	T.
T. Miss. 11,602' (-7777')	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	9100	9100	No samples taken	DST # 1: 9325' - 9450' (125' Wolfcamp Dolomite & Limestone).			
9100	9395	295	Dolomite	Tool open 2 hours thru 1" BC & 5/8" TC on 4 1/2" DS. Instant fair blow continuing throughout test. RECOVERED: 110' NOACGM. IFBHP 65 psi. FFHBP 95 psi. 30 minutes SIBHP 330 psi. HME 4355 psi. Positive Test.			
9395	9985	590	Lime				
9985	10270	285	Lime & Shale				
10270	11440	1170	Lime				
11440	11600	160	Lime & Shale				
11600	12340	740	Lime & Chert				
12340	12450	110	Shale	DST # 2: 12,483' - 12,575' (92' Devonian Dolomite).			
12450	12605	155	Dolomite	Tool open 60 minutes thru 5/8" BC & 1" TC on 4 1/2" DS. Instant strong blow. OTS 9 minutes. RECOVERED: 170' NOACGM & 1300' (18.5 bbls.) clean oil (Unleaded). FFHBP 650 - 850 psi. 15 minutes SIBHP 3850 psi. HME 6200 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.

December 14, 1954

(Date)

Company or Operator Shell Oil Company
Name Original signed by B. Nevill
B. Nevill

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