

N

R-37-E

12	11	10	9
13	14	15	16
		Sec. 3	

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Shell Oil Company

Box 1457, Hobbs, New Mexico

Company or Operator

Address

Livingston

Well No. 2

in SW/4, SE/4 of Sec. 3

T 21-S

Lease

R 37-E

N. M. P. M. North Drinkard

Field, Lea

County.

Well is 660

north

feet

south

of the

line and 1980

feet west of the East line of Sec. 2, T-21-S, R-37-E.

If State land the oil and gas lease is No. --

Assignment No. --

Suite 524, McBirney Bldg.

If patented land the owner is C. H. Livingston

Address Tulsa, Oklahoma

If Government land the permittee is --

Address --

The Lessee is Shell Oil Company

Address Box 1457, Hobbs, New Mexico

Drilling commenced February 14

19 50

Drilling was completed March 13

19 50

Name of drilling contractor Olson Drilling Co.

Address Oklahoma City, Oklahoma

Elevation above sea level at top of casing 3423

feet.

The information given is to be kept confidential until Not confidential

19

OIL SANDS OR ZONES

No. 1, from 6601

to 6607

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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO		PURPOSE
13 3/8"	32.4#	8R	Naylor	212					Water string
8 5/8"	32#	8R	National	3136	Baker				Salt string
5 1/2"	15.5#	8R	J&L						
			National	6664	Larkin		6601	6607	Oil string
2 3/8"	4.7#	8R		6605	Hung	6612	6606	6612	Tubing string
					with packer	6565			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/4"	13 3/8"	224	300	Pump & plug		
11"	8 5/8"	3148	3700	Pump & plug		
7 7/8"	5 1/2"	6674	500	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth Set

Adapters — Material

Size

RECORD OF ~~SHOOTING OR~~ CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSION OR CHEMICAL USED	QUANTITY	DATE	DEPTH SPOT OF TREATED	DEPTH CLEANED OUT
		15% IST acid	300 gals.	3-22-50	6601-6607'	

Results of ~~shooting~~ or chemical treatment flowed 71.49 bbls. oil & 11.34 bbls. acid water in 9 hrs. thru 16/64" choke. TP 840 p.s.i. CP packer.

RECORD OF DRILL-STEM AND SPECIAL TESTS See Reverse Side

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 6674

feet, and from

feet to

feet

Cable tools were used from

feet to

feet, and from

feet to

feet

PRODUCTION

Put to producing 3-24-

19 50

The production of the first 24 hours was 93.96

barrels of fluid of which 99.7

% was oil; --

% emulsion; --

% water; and 0.3

% sediment. Gravity, 36.9° API

If gas well, cu. ft. per 24 hours --

Gallons gasoline per 1,000 cu. ft. of gas --

Rock pressure, lbs. per sq. in --

EMPLOYEES

F. D. Wagoner

Driller

R. A. Rudder

Driller

Gene Evans

Driller

Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 27th

Hobbs, New Mexico

3-27-50

day of March

19 50

Place

Date

Notary Public

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company

Company or Operator

Address Box 1457, Hobbs, New Mexico

My Commission expires

My Commission

Address

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2900	2900	No samples taken
2900	3150	250	Dolomite, anhydrite, sand & shale
3150	6674	3524	Dolomite, lime, anhydrite & shale
Tops by Schlumberger:			
Dense Zone		5183 (-1750)	
Paddock		5242 (-1809)	
Drinkard Zone I		6480 (-3047)	
Drinkard Zone III		6605 (-3172)	
Drinkard Zone IV		6647 (-3214)	
DST #1:	6574-6654		5/8" BC & 1" TC on 3 1/2" DS. Very strong blow immediately. Gas in 3 min. Mud in 12 min. Oil spray in 13 min.. Flowed 22.04 bbls. oil in next 3 hrs. cut 0.4% drlg. fluid. Gravity 38.4° API. GOR 27,457. FBHP 925 to 1425 p.s.i. 15 min. SIBHP 2475 p.s.i. HMH 3075 p.s.i. <u>Positive Test.</u>
DST #2:	6613-6654		1/2" BC & 1" TC on 3 1/2" DS. Very strong blow immediately. Gas in 3 min. Mud in 27 1/2 min. Oil spray in 30 min. Flowed 5.22 bbls. oil in next 2 hrs. GOR 48,575. FBHP 925 p.s.i. 15 min. SIBHP 2500 p.s.i. HMH 3025 p.s.i. <u>Positive Test.</u>
DST #3	6654-6674		3/8" BC & 1" TC on 3 1/2" DS. Tool open 90 min. Good blow immediately, diminishing throughout test. Gas in 50 min. Recovered 1620' (12 bbls.) slightly gas cut mud, 10' (0.07 bbls.) oil, gravity 37.2° API, 87' (0.64 bbls.) muddy salt water titrating 64,070 ppm total chlorides. FBHP 500 p.s.i. 15 min. SIBHP 1250 p.s.i. HMH 3175 p.s.i. <u>Test. Inconclusive</u>
DST #4	6654-6674		1/2" BC & 1" TC on 3 1/2" DS. Tool open 90 min. Fair blow of air throughout test. Recovered 675' (5 bbls.) gas cut mud, 185' (1.37 bbls.) oil & gas cut mud & 60' (0.44 bbls.) salt water titrating 44,020 ppm total chlorides. FBHP 675 p.s.i. 15 min. SIBHP 1075 p.s.i. HMH 3025 p.s.i. <u>Positive Test.</u>