

2015-2016

NEW MEXICO OIL CONSERVATION COMMISSION 29 1951

Santa Fe, New Mexico

OIL CONSERVATION COMMISSION
HOBBS-OFFICE

Sec. 15

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or a 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.**

_____ Shell Oil Company _____ State
 _____ Company or Operator _____ Lease
 _____ Well No. 4 _____ in NE/4 of Sec. 15 _____, T. 21-S
 R. 37-E _____, N. M. P. M., _____ Brunson _____ Field, _____ Lea _____ County.
 Well is 2310 feet south of the North line and 990 feet west of the East line of Sec. 15, T-21-S, R-37-E.
 If State land the oil and gas lease is No. B-9188 Assignment No. _____
 If patented land the owner is _____, Address _____
 If Government land the permittee is _____, Address _____
 The Lessee is _____ Shell Oil Company _____, Address Box 1957, Hobbs, New Mexico
 Drilling commenced 9-8 _____ 19 51 Drilling was completed 10-18 _____ 19 51
 Name of drilling contractor _____ Rowan Drlg. Co. _____, Address Ft. Worth, Texas
 Elevation above sea level at top of casing 3418 feet.
 The information given is to be kept confidential until _____ Not confidential _____ 19 _____.

OIL SANDS OR ZONES

No. 1, from 7432 to 7553 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#	8R	National	227					Water string
8 5/8"	32#	8R	Pittsburg	2922	Baker				Salt string
5 1/2" Liner	15.5# 17#	8R	--	4895	Baker		7520	7552	Oil string
2 3/8"	4.7#	8R		7546	Hung	7555'	7539	7547	Tubing 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"	241'	250	Pump & plug		
11"	8 5/8"	2933'	1800	Pump & plug		
7 7/8"	5 1/2"	7566'	840	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set
Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
22						

Results of shooting or chemical treatment_____

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 7567 feet, and from _____ feet to _____ feet.

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

PRODUCTION

Put to producing 10-24, 19 51

The production of the first 24 hours was 332 barrels of fluid of which 100 % was oil; -- % emulsion; -- % water; and -- % sediment. Gravity ~~Be~~ 42° API corrected

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

GOR 974

EMPLOYEES

Tom Childress, Driller Lee Durham, Driller
E. H. Hall, 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 26th

day of October, 1951

Notary Public

My Commission expires Commission Expires Sept. 16, 1954

Hobbs, New Mexico 10-26-51

Name for J. D. Savage

Position ~~Division Exploitation Engineer~~

Representing ~~Shell Oil Company~~
Company or Operator.

Address Box 1957, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	5000	5000	No samples
5000	6700	1700	Dolomite w/streaks lime, shale & anhydrite.
6700	6850	150	Lime & shale w/streaks of dolomite & lime.
6850	7432	582	Dolomite & lime.
7432	7553	121	Dolomite & sand
7553	7561	8	Granite wash
7561	7567	6	Granite
<u>TOPS BY SCHLUMBERGER:</u>			
Glorieta		5147 (-1516)	
Drinkard		6422 (-2991)	
Permian/Ellenburger Dolomite		7432 (-4001)	
Granite Wash		7553 (-4122)	
Granite		7561 (-4130)	
<u>DST #1:</u>	5549-5770 (221' Ellinbry Dolomite)		Tool open 45 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong air blow immediately. Gas to surface in 4 min. Cleaned to pits 20 min. Then flowed gas @ stabilized rate of 6.54 MMcf/day. Rec. 20' (0.15 bbls.) condensate & 30' (0.22 bbls.) slightly mud cut condensate. Gravity 51.9° API corrected. FBHP 1125 to 975 psi. 30 min. SIBHP 2425 psi. HMH 2700 psi. <u>Positive Test.</u>
<u>DST #2:</u>	6071-6318 (247' Tubb Dolomite)		Tool open 85 min. thru 3/4" BC & 1" TC on 3 1/2" DS. Immediate moderate air blow increasing to very strong after 5 min. Gas to surface in 9 min. Mud in 50 min. Flowed gas @ stabilized rate of 1.6 MMcf/day. Rec. 510' (3.77 bbls.) slightly gas cut mud. FBHP 500 to 575 to 525 psi. 30 min. SIBHP 2650 psi. HMH 3000 psi. <u>Positive Test.</u>
<u>DST #3:</u>	6854-7100 (246' Wichita Dolomite)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately decreasing to fair after 90 min. Gas to surface in 30 min. Pulled 10 stands & drill pipe unloaded. Broke circulating sub & reversed out recovery. Rec. est. 6200' (43.4 bbls.) 41.2° API gravity oil. FBHP 750-1250 psi. 30 min. SIBHP 3000 psi. HMH 3950 psi. <u>Positive Test.</u>
<u>DST #4:</u>	7170-7400 (230' Wichita Dolomite)		Tool open 60 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak blow air throughout test. Rec. 150' (1.05 bbls.) gas cut mud. FBHP 25 psi. 30 min. SIBHP 25 psi. HMH 400 psi. <u>Positive Test.</u>
<u>DST #5:</u>	7454-7515 (61' Ellenburger Dolomite)		Tool open 2 hrs. & 40 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Very strong blow immediately. Gas in 2 1/2 min. Mud in 9 min. Oil in 11 min. Flowed to pits to clean. Then flowed total 56.86 bbls. of 43° API gravity oil in 2 hrs. GOR 1891. FBHP 1200 to 2400 psi. 30 min. SIBHP 3250 psi. <u>Positive Test.</u>