

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Shell Oil Company State "B"
Company or Operator Lease
Well No. 1 in 32 1/4 NW 1/4 of Sec. 36, T. 24-S, R. 36-E
R. 36-E, N. M. P. M., Cooper-Jal Field, Lea County.
Well is 1980 feet south of the North line and 3300 feet west of the East line of Sec. 36, T-24-S, R-36-E.
If State land the oil and gas lease is No. B-1167 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 12-27 1951 Drilling was completed 1-29 1952
Name of drilling contractor Gackle DF Address _____
Elevation above sea level at top of casing 3274 feet.
The information given is to be kept confidential until Not confidential 19 _____

OIL SANDS OR ZONES

No. 1, from D & A 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
13 3/8"	43#	8R	Youngstown	363'				Water 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"	13 3/8"	374	400	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

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 3525 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing D & A 2-1 19 52
The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Leon Plato Driller B. L. Edwards Driller
Roy Solomon 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 5th Hobbs, New Mexico 2-5-52

day of February 19 52 Name J. D. Savage J. D. Savage

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	140	140	Surface sands & caliche
140	1170	1030	Red shale & sand stringers
1170	1290	120	Anhydrite w/traoes of lime
1290	2607	1317	Salt w/anhydrite stringers
2607	2659	52	Anhydrite
2659	2792	133	Dolomite
2792	3020	228	Shaly sand w/dolomite stringers
3020	3290	270	Chert & cherty dolomite w/sand stringers
3290	TD 3525	235	Dolomite w/sand & shale stringers.
TOPS BY SCHLUMBERGER:			
Base Salt		2607 (+667)	
Top Brown Lime		2659 (+615)	
Top Yates		2792 (+482)	
DST #1:	2793 - 2952 (159' Yates)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 4 1/2" DS. Fair to good blow throughout test. Gas to surface in 19 min. No mud or oil. Recovered 240' slightly gas cut sulphur water (titrating 330,000 ppm cl.). NMH 1450 psi. FBHP 250 psi. 30 min. SIBHP 875 psi. <u>Positive Test.</u>
DST #2:	3168 - 3286 (118' dolomite)		Tool open 50 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong air blow immediately. Gas in 4 min. Mud cut sulphur water in 39 min. Gas rate @ 91 Mcf/d. Sulphur water @ 25 bbls./hour. NMH 1775 psi. FBHP 580-1050 psi. 30 min. SIBHP 1225 psi. <u>Positive Test.</u>
DST #3:	3340-3420 (80' Seven Rivers dolomite)		Tool open 127 min. thru 1 1/2" BC & 1" TC on 4 1/2" DS. Strong blow immediately. Gas to surface in 3 min. @ rate of 205 Mcf/d. Mud & oil in 80 min. Flowed to pits 47 min. an estimated 4 - 5 BF cut 95% water, 5% emulsion. Recovered 360' (5.11 bbls.) oil & water - approximately 20% oil, plus 840' (11.93 bbls.) salt water. NMH 1900 psi. FBHP 425-575-550 psi. 30 min. SIBHP 1100 psi. <u>Positive Test.</u>
DST #4:	3424-3525 (101' Seven Rivers dolomite)		Tool open 168 min. thru 1 1/2" BC & 1" TC on 4 1/2" DS. Very strong blow immediately. Gas in 4 1/2 min. Recovered 3275' (46.5 bbls.) fluid, approximately 3% oil. NMH 1850 psi. FBHP 950-1350 psi. 35 min. SIBHP 1350 psi. <u>Positive Test.</u>
PLUGGING RECORD:			
Placed cement plug from TD 3525 to 2585 feet. Spotted cement plug from 1269-1164'. Spotted cement plug in bottom of 13 3/8" csg. from 387-313' & plug @ top of casing 48' to surface. Treated dry hole surface marker. Well D & A 2-1-52.			