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SERV. & CONSERVATION COMMISSION
NEW MEXICO OFFICE
New Mexico HOBBS OFFICE

FORM C-105

N R-33-E

NEW MEXICO OIL CONSERVATION
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. 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
 State "1" Well No. 1 in SE 1/4 of Sec. 34, T. 14-S
 Lease
 R. 33-E N. M. P. M. Saunders Lea County.
 Well is 660 feet south of the North line and 1980 feet west of the East line of Sec. 34, T-14-S, R-33-E.
 If State land the oil and gas lease is No. E-2115 Assignment No. --
 If patented land the owner is -- Address --
 If Government land the permittee is -- Address --
 The Lessee is Shell Oil Company Address Box 1457, Hobbs, New Mexico
 Drilling commenced June 24 1950 Drilling was completed September 17 1950
 Name of drilling contractor Loffland Bros. Address Tulsa, Oklahoma
 Elevation above sea level at top of casing 4193 feet.
 The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 9793 to 9808	No. 4, from.....to.....
No. 2, from 9838 to 9846	No. 5, from.....to.....
No. 3, from 9896 to 9906	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 120 to 150 feet. No capacity test.

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		PURPOSE
							FROM	TO	
13 3/8"	48#	8R	National	315'	Larkin				Water string
5 5/8"	32#	8R	Republic	4205'	Cameron				Salt String
5 1/2"	17# & 15.5#	8R	Youngstown						
		8R	National	9929	Cameron		9898	9902	Oil string
2 3/8"	4.7#	8R	Youngstown						
			J.L.	9902	Hung	9911'	9896	9904	Tubing string
					Hookwell	packer set	9864'		

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"	329	325	Pump & plug	Cemented to surface	
11"	8 5/8"	4216	1500	Pump & plug	Cemented to surface	
7 7/8"	5 1/2"	9939	750	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material.....None.....Length.....Depth Set.....
Adapters — Material.....Size.....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Surface	40	40	Caliche
40	120	80	Red Beds
120	150	30	Fresh water sand
150	1530	1380	Red beds and sand
1530	4180	2650	Anhydrite w/streaks salt and shale
4180	7830	3650	Dolomite w/streaks anhydrite, shale and sand
7830	9200	1370	Dolomite, shale and anhydrite
9200	9600	400	Limestone w/thin streaks chert
9600	9750	150	Limestone w/streaks red shale
9750	9940	190	Limestone w/shows oil, gas and water. Tentative top Pennsylvanian 9777'.
TC	9940		Limestone
TOPS BY SCHLIMBERGER:			
Top Yeso		5730 (-1527)	
Top Abo		7807 (-3604)	
Top Wolfcamp		9250 (-5047)	
Tentative Permian/ Pennsylvanian		9777 (-5574)	
DST #1:	9792-9828 (Pennsylvanian)		5/8" BC & 5/8" TC on 3 1/2" DS. Tool open 160 min. Gas in 3 min. Mud in 6 min. Oil in 7 min. Cleaned to pits for 3 min. In 2 1/2 hrs. flowed 250 bbls. oil & 51 bbls. water (17%). Gravity 45.5° API. GOR 1000. Reversed out recovery. FBHP 2575 p.s.i. to 3240 p.s.i. 15 min. SIBHP 3955 p.s.i. <u>Positive Test.</u>
DST #2:	9831-9860 (Pennsylvanian)		Tool open 7 hours. Gas to surface in 4 min. Fluid in 60 min. Flowed to pits 2 1/2 hrs. Fluid cut 90% salt water. Turned to tank. Flowed 31.7 bbls. fluid cut 90% salt water in 45 min. Then flowed 14.7 bbls. oil & 7 bbls. water (32.2%) in 1 hour. GOR 944. FBHP 1100 to 2900 p.s.i. 15 min. SIBHP 3550 p.s.i. Reversed out recovery. <u>Positive Test.</u>
DST #3:	9860-9885		3/4" BC & 3/4" TC on 3 1/2" DS. Tool open 135 min. Gas in 7 min. Fair air blow throughout test. Reversed out but had no recovery. Pulled tool & found 217' (1.7 bbls.) salt water cut w/drilling fluid. FBHP 150 p.s.i. 15 min. SIBHP 2500 p.s.i. HWH 4475 p.s.i. <u>Positive Test.</u>
DST #4:	9890-9915		3/4" BC & 1" TC on 3 1/2" DS. Tool open 120 min. Gas to surface in 3 min. Fluid in 8 min. Flowed 52 bbls. fluid cut 2% BS&W during 1st. hour. Flowed 30 bbls. fluid cut 0.5% BS&W next 30 min. GOR 1558. Gravity 44.0. Bled down drill pipe. Reversed out recovery. HWH 4600 p.s.i. FBHP 2275 p.s.i. 15 min. SIBHP 3475 p.s.i. <u>Positive Test.</u>
DST #5:	9915-9940		5/8" BC & 1" TC on 3 1/2" DS. Tool open 120 min. Gas to surface in 6 min. Strong blow decreasing to weak blow at end of test. Recovered 90' (0.6 bbls.) oil & gas cut mud & 1100' (8.4 bbls.) salt water. FBHP 250 to 455 p.s.i. 15 min. SIBHP 625 p.s.i. HWH 4625 p.s.i. <u>Positive Test.</u>