

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

Smith

Company or Operator

Lease

Well No. 1 in SW 1/4 NE 1/4 of Sec. 14, T. 21-SR. 37-E, N. M. P. M., Drinkard Field, Lea County.Well is 1980 feet south of the North line and 1980 feet west of the East line of Sec. 14, T-21-S, R-37-E.If State land the oil and gas lease is No. -- Assignment No. --If patented land the owner is Smith, Address --If Government land the permittee is --, Address --The Lessee is Shell Oil Company, Address Box 1957, Hobbs, New MexicoDrilling commenced 3-14 19 52 Drilling was completed 4-27 19 52Name of drilling contractor Reading & Bates, Address Odessa, TexasElevation above sea level at top of casing 3416 feet.The information given is to be kept confidential until Not confidential 19 --

OIL SANDS OR ZONES

No. 1, from 6577 to 6633 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"	48	8R	National	190'				Water string
8 5/8"	32	8R	Mixed	2988'				Salt string
	28.55							
5 1/2"	15.5	8R	Mixed	6797'			6577 6633 (42 net feet)	Oil string
2 3/8"	4.7	8R		6658'	Hung	6666'		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"	205	250	Pump & plug		
11"	8 5/8"	3000	2200	Pump & plug		
7 7/8"	5 1/2"	6308	300	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material -- Length -- Depth Set --Adapters—Material -- Size --RECORD OF ~~SHOOTING OR~~ CHEMICAL TREATMENT

SIZE	SHELL USED	EXPOSURE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SET OR TREATED	DEPTH CLEANED OUT
		15% LST acid	3500 gals. (2 stages)	5-5-52 5-6-52	6577-6633 6577-6633	

Results of shooting or chemical treatment After recovering hole flowed 254 bbls. fluid in 30 hrs.

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 7573 feet, and from -- feet to -- feet.Cable tools were used from -- feet to -- feet, and from -- feet to -- feet.

PRODUCTION

Put to producing 5-20 19 52The production of the first 24 hours was 154 barrels of fluid of which 99.8 % was oil; -- %emulsion; -- % water; and 0.2 % sediment. Gravity, 42.8° APIIf gas well, cu. ft. per 24 hours -- Gallons gasoline per 1,000 cu. ft. of gas --Rock pressure, lbs. per sq. in. GOR 2038

EMPLOYEES

J. B. Adams, Driller Leon Greppe, DrillerJ. A. Jackson, 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.

Hobbs, New Mexico 5-28-52
Place DateName J. D. Savage J. D. Savage

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
SAMPLE LOG			
0	5650	5650	No samples taken.
5650	6380	730	Dolomite, anhydrite & shale.
6380	6700	320	Dolomite & shale.
6700	7515	815	Dolomite, lime & shale.
7515	7570	65	Granite Wash.
7570	TD 7573	3	Granite.
TOPS BY SCHLUMBERGER			
Glorieta		5200 (-1771)	
Clear Fork		5652 (-2223)	
Tubb A		6125 (-2696)	
Drinkard		6488 (-3059)	
Abo		6741 (-3312)	
Granite Wash		7515 (-4086)	
Granite		7570 (-4141)	
DST #1:	5625-5915 (290' Blinberry dolomite)		Tool open 1 hr. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 5 min. Flowed gas at rate of 1.5 MMcf/d. Recovered 818' (5.67 bbls.) oil & gas cut mud. FBHP 500-650 psi. 30 min. SIBHP 2525 psi. HMH 2925 psi. <u>Positive Test.</u>
DST #2:	6130-6452 (322' Tubb dolomite)		Tool open 1 hr. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 8 min. Flowed gas at rate of 360 Mcf/d. Recovered 720' (5.04 bbls.) gas cut mud. FBHP 250-625 psi. 30 min. SIBHP 2600 psi. HMH 3075 psi. <u>Positive Test.</u>
DST #3:	6487-6650 (163' Drinkard dolomite)		Tool open 1 hr. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 9 min. Recovered 3000' (21 bbls.) oil. FBHP 200-500 psi. 15 min. SIBHP 1875 psi. HMH 3250 psi. <u>Positive Test.</u>
DST #4:	6650-6675 (25' Drinkard dolomite)		Tool open 1 hr. 5 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong air blow throughout test. Gas to surface immediately after closing tool. Recovered 120' (0.89 bbls.) gas cut mud, 60' (0.44 bbls.) muddy salt water, 360' (1.62 bbls.) slightly oil & gas cut salt water & 240' (1.08 bbls.) gas cut salt water. Water titrated 196,000 ppm chlorides. FBHP 0-250 psi. 15 min. SIBHP 2000 psi. HMH 3250 psi. <u>Positive Test.</u>
DST #5:	6809-7150 (341' Abo dolomite)		Tool open 1 hr. 20 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong air blow immediately, diminishing to weak after 12 min. Gas to surface in 8 min. Recovered 540' (3.24 bbls.) slightly oil & gas cut mud. FBHP 400 psi. 30 min. SIBHP 450 psi. HMH 3600 psi. <u>Positive Test.</u>
DST #6:	7150-7495 (345' Abo dolomite)		Tool open 2 1/2 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak air blow throughout test. Recovered 150' (0.7 bbls.) oil cut mud (estimated 5% oil). FBHP 0 psi. 30 min. SIBHP 475 psi. HMH 3200 psi. <u>Positive Test.</u>