

DUPLICATE

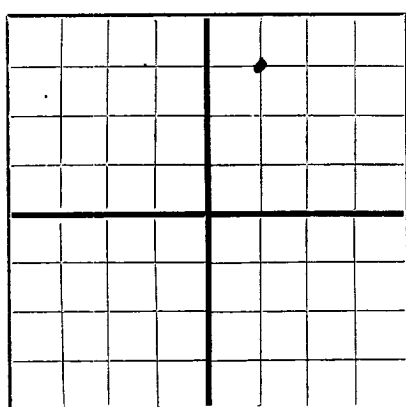
FORM C-105

RECEIVED
JUN 23 1948
HOBBS OFFICE

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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.

Stanolind Oil and Gas Company
Company or Operator
Southland Royalty A Well No. 2 in NE/4 of Sec 9, T. 21-S
Lease
R. 37-E, N. M. P. M., Drinkard Field, Lea County.
Well is 660 feet south of the North line and 1980 feet west of the East line of Section
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is J. W. Owens, Address Eunice, New Mexico
If Government land the permittee is, Address
The Lessee is Stanolind Oil and Gas Company, Address Box F, Hobbs, New Mexico
Drilling commenced 11-20 1947 Drilling was completed 2-15 1948
Name of drilling contractor John Drilling Company, Address Fort Worth, Texas
Elevation above sea level at top of casing 3482 feet.
The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 6595 to 6625 No. 4, from to
No. 2, from 6675 to 6685 No. 5, from to
No. 3, from 6700 to 6730 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		PURPOSE
							FROM	TO	
13-3/8	48#	None	Armco	225	Texas Pat.				Surface
9-5/8	36#	8 R	Nat.	1409	Guide				Intermediate
7"	20#&30#	8 R	"	6730	Baker Multiplex		6595	6625	Oil String
					collar, float collar		6675	6885	
					and guide shoe		6700	6730	

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"	13-3/8	225	150	Plug		
12-1/4	9-5/8	1409	700	Plug		
8-3/4	7"	6740	3000	Plug		
			2-stage			

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
		Mud acid	500 gal.	2-4-48	6595-6730	
		20% Low Tension	1000 gal.	2-4-48	6595-6730	
		15% " "	2500 gal.	2-8-48	6595-6730	

Results of shooting or chemical treatment Increased production from 0 to 136 BO in 24 hrs. on 16/64" choke.

RECORD OF DRILL-STEM AND SPECIAL TESTS

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 Surface feet to 6750 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing February 15 1948
The production of the first 24 hours was 136 on 16/64" ch barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment. Gravity, Be. 41
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

J. C. Fair, Driller D. E. Spoonemore, Driller
H. B. McCormack, Driller O. G. Cheek, #444 Pusher

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 17

day of February 1948

[Signature]

Notary Public

My Commission expires 2-23-50

Hobbs, New Mexico February 17, 1948

Name *[Signature]*

Position Field Supt.

Representing Stanolind Oil and Gas Company
Company or Operator

Address Box F, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Surface	1300	1300	Red Beds and Surface Sands
1300	2490	1190	Anhydrite and Salt
2490	4070	1580	Sand, shales, sandy dolomite and lime
4070	5125	1055	Sandy lime and dolomite to dense dolomite
5125	5160	35	Sandy dolomite
5160	6195	1035	Dolomite and limestone
6195	6260	65	Sandy dolomite
6260	6750	490	Lime and dolomite
			<u>GEOLOGIC TOPS</u>
			Top Anhydrite 1300
			Base Salt 2490
			Top San Andres 4070
			Top Glorieta 5125
			Top Tubbs 6195
			Top Pay 6595
			<u>DRILL STEM TESTS</u>
			DST #1: 5632-5730; tool open 1 hour 30 minutes. Gas to surface in 36 minutes. Volume too small to gauge. Rec. 540' slightly gas-cut drilling mud.
			DST #2: 6235-6337; tool open 14 minutes. Gas to surface in 2½ minutes. Drilling mud and distillate to surface in 10 minutes. Gas gauged 6 MMCFPD and was sweet. Rec. 80' heavily gas cut mud and 50' straw colored distillate. Gravity 61.5 corrected. FBHP 2000 psi. 15 minute SIBHP failed.
			DST #3: 6388-6452; tool open 1 hour. Gas to surface in 6 minutes. Gauged 200 MCFPD. Rec. 60' gas cut drilling mud. FBHP 80 psi. 15 minute SIBHP 2200 psi.
			DST #4: 6452-6535; tool open 45 min. Gas to surface in 30 minutes. Estimated 200 MCFPD. Rec. 180' gas cut drilling mud. FBHP 45 psi. 15 min. SIBHP 870 psi.
			DST #5: 6534-6584; tool open 2 hours. Rec. 110' drilling mud. FBHP 0. 15 minute SIBHP 0.
			DST #6: 6582-6686; tool open 2 hours 40 minutes. Gas to surface in 12 minutes. Rec. 1870' clean oil, 10' salt water; and 180' oil and gas cut drilling mud. FBHP 525 psi max. 15 minute SIBHP 1350 psi.
			DST #7: 6686-6738; tool open 1 hour. Rec. 420' heavily gas cut mud; 270' slightly gas mud; 750' drilling mud, 30' mud cut with salt water. FBHP 839 psi max. 15 minute SIBHP 1950 psi. Packer seat is believed to have failed to make a complete shut off. Fluid dropped in annulus.
			DST #8: 6750; leaky drill pipe.
			DST #9: 6694-6750; tool open 1 hour. Rec. 250' gas cut drilling mud and 20' salt water. FBHP 102 psi max. 15 minute SIBHP 1160 psi.