



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079224-A**
LEASE OR PERMIT TO PROSPECT
San Juan 32-5 Unit
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Stanolind Oil and Gas Company** Address **Rox 591, Tulsa, Oklahoma**
Lessor or Tract **San Juan 32-5 Unit** Field **Wildcat** State **New Mexico**
Well No. **3** Sec. **10** T. **32N** R. **5W** Meridian **NMPM** County **Rio Arriba**
Location **1740** ft. **N** of **S** Line and **1500** ft. **E** of **W** Line of **Section 10** Elevation **7574**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **March 24, 1954**Title **Field Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **September 10,** 1953 Finished drilling **December 28,** 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4053** to **4093 (G)** No. 4, from _____ to _____
No. 2, from **6510** to **6790 (G)** No. 5, from _____ to _____
No. 3, from **8858** to **9153 (G)** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
9-5/8"	32.3	8	National	217	Guide				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	228	180	Displacement		
7"	8990	125	Displacement	Top Cement	80.80

PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth set

Adapters—Material

Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 9153 feet, and from 228 feet to 228 feet

Cable tools were used from 0 feet to 9153 feet, and from 228 feet to 228 feet

DATES

February 3, 1954

Put to producing 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment.

Gravity, °Bé.

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

V. D. Price, Driller

L. M. Basden, Driller

B. E. Chadwick, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	228	228	Surface sand and rocks
228	3822	3594	Sand and shale.
3822	4053	231	Fruitland.
4053	4093	40	Pictured Cliffs
4093	6510	2417	Shale
6510	6530	20	Cliffhouse
6530	6700	170	Manefee
6700	6790	90	Point Lookout
6790	8858	2068	Mancos
8858	9153	295	Dakota

FORMATION RECORD—Continued
(SEE ATTACHMENT)

History of Oil or Gas Well:

Well was spudded at 1:00 A.M., September 10, 1953, and drilled to a total depth of 9153 feet with rotary tools. Then well was plugged back to 9031 feet with cement. 7" casing was landed at 8990 feet and cemented with 125 sacks of cement. Twenty drill stem tests were run over the Fruitland, Pictured Cliffs, Mesaverde and Dakota formations with no commercial shows of oil or gas, as set out below.

Well was treated with 1400 pounds sand and 3000 gallons 30 gravity oil from 8990 to 9031 feet. Initial breakdown pressure 2500 psi. Maximum treating pressure 3200 psi. Final treating pressure 3000 psi. Injection rate $2\frac{1}{2}$ barrels oil per minute. Swabbed well and recovered 67 barrels load oil. Well shut-in 12 hours, no pressure build up. Set Lane-Wells wire line bridging plug at 8970 feet with a 10 foot cement cap. Perforated from 8858 to 8880 feet with 4 jet shots per foot. Natural test 8858 to 8880 feet 240 MCFPD. Then well was treated with 1000 pounds sand and 2000 gallons diesel oil plus 0.5 percent Atlas Powder Company's G-931 from 8858 to 8880 feet. Initial injection rate $2\frac{1}{2}$ barrels oil per minute at 2500 pounds. Maximum treating pressure 3300 pounds. Average treating pressure 2900 pounds at $2\frac{1}{2}$ barrels per minute. Recovered estimated 80 barrels load oil. Well shut-in 14 hours. Shut-in pressure 2300 pounds. Estimated gas production 280 MCFPD. Tested well through separator, gas production 285 MCFPD. On 4 hour test through separator, well produced $\frac{1}{4}$ barrel fluid per hour, 50 percent diesel oil and water. No commercial shows of oil or gas were encountered.

Well was permanently plugged and abandoned as follows: (1) Plugged hole with solid cement from 8960 to 8715 feet, (2) Shot off 7" casing at 7508 feet, but unable to pull casing, 7" casing was shot free at 1657 feet and 1657 feet of 7" casing was recovered, (3) Plugged hole with solid cement at following intervals: 1700 to 1497 feet, 900 to 835 feet and 278 to 148 feet, (4) On February 3, 1954, spotted a 35 sack solid cement plug from 90 feet to surface, (5) Hole was filled with 12 pound mud at following intervals: 9031 to 8960 feet, 8715 to 1700 feet, 1497 to 900 feet, 835 to 278 feet and 148 to 90 feet; (6) Erected 4' pipe marker and will restore ground level to original contours as per regulations (well location has not been leveled at this time.).

Description of Drill Stem Tests:

- DST No. 1 - 3830-4050', tool open one hour, gas to surface 10 minutes. Estimated 75 MCF per day after one hour. Initial and final flowing pressure 200 pounds, 30 minute SIBHP 1425 pounds. Recovered 90 feet gas cut mud.
- DST No. 2 - 4053-4121', tool open one hour, gas to surface 25 minutes, volume too small to measure. Recovered 180 feet gas cut mud. Flowing pressure zero, 30 minute SIBHP 900 pounds, hydrostatic pressure 2125 pounds.
- DST No. 3 - 4121-4221', tool open one hour, no gas to surface. Recovered 90 feet slightly gas cut mud. Flowing pressure zero, 30 minute SIBHP 500 pounds, hydrostatic pressure 2150 pounds.
- DST No. 4 - 4215-4345', tool open one hour, no gas to surface. Recovered 185 feet slightly gas cut mud. Flowing pressure zero, 30 minute SIBHP zero, hydrostatic pressure 2350 pounds.
- DST No. 5 - 6455-6545', packer failed.
- DST No. 6 - 6460-6545', tool open two hours, weak blow, gas to surface in one hour, volume too small to measure. Recovered 180 feet slightly gas cut mud. Initial BHFP 275 pounds and final BHFP 125 pounds. Thirty minute SIBHP 375 pounds, hydrostatic pressure 3475 pounds.
- DST No. 7 - 6544-6700', tool open $2\frac{1}{2}$ hours, gas to surface in one hour and 50 minutes, volume too small to measure. Recovered 180 feet slightly gas cut mud. BHFP 175 pounds, 30 minute SIBHP 275 pounds, hydrostatic pressure 3500 pounds.
- DST NO. 8, 9, and 10 - Misruns.
- DST No. 11 - 6682-6845', tool open one hour, weak blow, died in 30 minutes, no gas to surface. Recovered 140 feet slightly gas cut mud. BHFP 125-175 pounds. 30 minute SIBHP 500 pounds, build up not complete. Hydrostatic pressure 3600 pounds.
- DST No. 12 - 8389-8494, packer failed after tool open 25 minutes, very weak blow air.
- DST No. 13 - 8394-8494', packer failed.
- DST No. 14 - 8868-8913', misrun.

- DST No. 15 - 8870-8913', tool open one hour, slight blow throughout test. Tool partially plugged. Recovered 60 feet diesel oil, 190 feet slightly oil cut mud, no indication of gas. Gravity and distillation of oil recovered and diesel oil used in mud similar.
- DST No. 16 - 8872-8937', tool open one hour, 10 minutes. Air to surface immediately, gas to surface in seven minutes. Stabilized flow 490 MCF per day through 2" outlet. BHFP 290-350 pounds, 30 minute SIBHP 2830 pounds, still increasing. Recovered 1000 feet gas cut mud and 80 feet of water cut mud.
- DST No. 17 - 8931-8961, packer failure.
- DST No. 18 - 8922-8961, tool open one hour, good blow of air immediately, gas to surface in 5 minutes, too weak to measure. Flowing pressure 130-270 pounds. 30 minute SIBHP 3050 pounds, hydrostatic pressure 4600 pounds. Recovered 400 feet gas cut mud and 350 feet gas cut mud very slightly water cut.
- DST No. 19 - 8964-9048', tool open 55 minutes, weak blow air immediately, died in 50 minutes. No gas to surface. 30 minute SIBHP 90 pounds, BHFP 80 pounds, hydrostatic pressure 4510 pounds. Recovered 40 feet slightly gas cut mud.
- DST No. 20 - 9052-9153', tool open one hour, fair blow immediately, stronger blow at end one hour. Recovered 1620 feet slightly mud cut fresh water. No indication of gas.