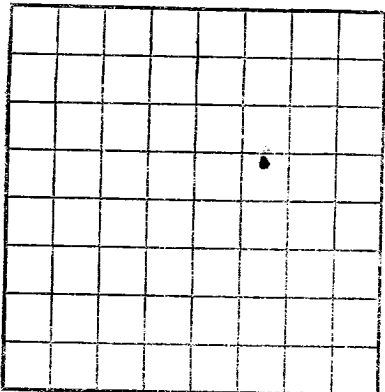


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **1-89-IND-58**
LEASE OR PERMIT TO PROSPECT _____
USG Section 19-29-16



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Stanolind Oil and Gas Company** Address **Box 591, Tulsa, Oklahoma**
Lessor or Tract **USG Section 19-29-16** Field **Wildcat** State **New Mexico**
Well No. **13** Sec. **19** T. **-29N** R. **16-W** Meridian **NMPM** County **San Juan**
Location **2050** ft. {^N/_S} of **N** Line and **1810** ft. {^E/_W} of **E** Line of **Section 19** Elevation **5044**
(Derriok 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.

Date **November 17, 1952** Signed **E. P. Helt** Title **Field Superintendent**

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

Commenced drilling **May 16**, 19**52** Finished drilling **September 15**, 19**52**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **6930** to **7030** No. 4, from _____ to _____
No. 2, from **5550** to **6540** No. 5, from _____ to _____
No. 3, from **675** to **871** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **871** to **1250** 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—	
13-3/8"	48	8	Youngs-	1248	Guide				
9-5/8"	36	8	Nat'l	5359	Guide				
5-1/2"	17	8	Chester	7191	Guide		6930	7030	
2"	4.7	8	J & L	7059			7043	7059	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	1250	1300	Displacement		
9-5/8"	5326	400	"		
5-1/2"	7138	660	"		

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 **7453** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 5, 19**52** Put to producing **October 13**, 19**52**
The production for the first 24 hours was **152.93** barrels of fluid of which **96** % was oil; **0** % emulsion; **4** % water; and **0** % sediment. Gravity, °Bé. **69.5**
If gas well, cu. ft. per 24 hours **14,900 m** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **3926** psig w/BHP bomb.

EMPLOYEES

A. R. D. Wilkinson, Driller **Newton Burke**, Driller
Cagle Jordan, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	675'	675'	- Sand & Shale
675'	871'	196'	Dakota - Sand & Shale
871'	1950'	1089'	Morrison - Sand & Shale
1950'	1977'	27'	Toddlito- Sand
1977'	2092'	115'	Entrada - Sand & Shale
2092'	2720'	632'	- Sand & Shale
2720'	3562'	842'	Chinle - Sand & Shale
3562'	3677'	115'	Shinarump - Sand & Conglomerate
3677'	3927'	250'	Dechelly - Shale
3927'	5160'	1233'	Cutler - Sand & Shale
5160'	5303'	143'	Rico - Shaly sand & Lime
5303'	6784'	1481'	Pennsylvania - Shale & Lime
6784'	6875'	91'	Colas - Shale
6875'	7070'	195'	Mississippian - Lime
7070'	7415'	345'	Devonian - Sand, Shale & Lime
7415'	7456'	41'	Basement - Granite

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Well was spudded at 3:00 A.M., May 16, 1952, and drilled to a total depth of 7453 feet with rotary rig. The 9-5/8" casing was landed at 5326 feet and cemented with 400 sacks of cement.

Logs and drill stem tests failed to indicate commercial production from total depth to the base of the Mississippian formation at 7080 feet. The 5-1/2" casing was landed 7138 feet and cemented with 650 sacks of cement. The well was plugged back from 7453 to 7080 feet with solid cement.

Well was cleaned out to 7080 feet and 5-1/2" casing was perforated with 2 jet shots per foot from 6930 to 7030 feet. Well was cleaned out to 7080 feet and 2" tubing was landed at 7031 feet.

Well was acidized with 4850 gallons of regular 15 per cent acid from 6930 to 7030 feet. Well was shut in 22-1/2 hours. Shut in casing pressure 3000 psi. Shut in tubing pressure 3100 psi. On October 13, 1952, a 24 hour potential test measured 176.93 barrels of oil (69.5 degree API gravity at 60 degrees F.), 6 barrels of water and 17,900 MCF per 24 hours of non-inflammable gas. Flowing casing pressure 2000 pounds. Flowing tubing pressure 800 pounds. High pressure separation 175 pounds. Low pressure separator 85 pounds.

Drill Stem Test and Cores are listed on attached sheet.