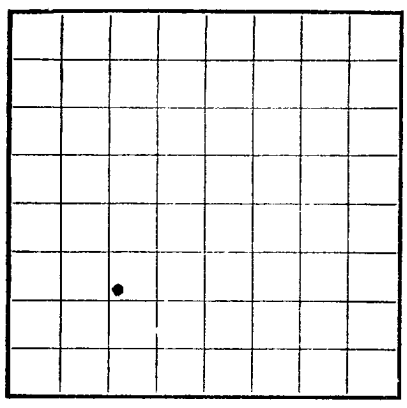
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 080962
LEASE OR PERMIT TO PROSPECT



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 487, Farmington, New Mexico

Lessor or Tract Gallegos Canyon Unit Field West Kutz-Pictured Cliffs State New Mexico

Well No. 74 Sec. 29 T. 29N R. 12W Meridian NMPM County San Juan

Location 1450 ft. {N./Sx} of S Line and 1850 ft. {E./W} of W Line of Section 29 Elevation 5358
(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 [signature]

Date May 15, 1956 Title Field Superintendent

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

Commenced drilling April 26, 19 56 Finished drilling April 28, 19 56

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 985 to 1015 (G) No. 4, from ____ to ____

No. 2, from 1242 to 1280 No. 5, from ____ to ____

No. 3, from ____ to ____ 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 From—	Perforated To—	Purpose
8-5/8"	23.7	SW	Armco	100	Guide				Surface
5-1/2"	14	SW	National	1306	Guide				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	107'	75	Circulated		
5-1/2"	1306'	75	Circulated		

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 1306 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

May 4, 19 56 Put to producing Shut in for pipeline. 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 2,571,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 490 psig.

EMPLOYEES

C. R. Plum, Driller Jack W. Dean, Driller

J. Murrell, Driller Fred Sizemore, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	100	100	Surface sand and shale.
100	985	885	Kirtland
985	1242	257	Fruitland and "silver" sand.
1242	1306	64	Pictured Cliffs sand and shale.

[OVER]

16—43094-8

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.

On April 26, 1956, this well was spudded and 8-5/8" casing was landed at 107 feet and cemented with 75 sacks of cement. After waiting on cement for 24 hours, casing and water shut off were tested with 500 pounds for 30 minutes with no drop in pressure. Drilling operations were resumed.

On April 28, 1956, 5-1/2" Casing was landed at 1306 feet and cemented with 75 sacks. After waiting on cement for 48 hours, water shut off was tested with a two hour bailing test. Test was successful. Completion operations were resumed.

On May 2, 1956, the well was perforated with two jet shots per foot from 1250 to 1270 feet.

On May 3, 1956, the well was sand-water fracked through the above perforations with 20,000 gallons water and 30,000 pounds sand. Formation broke at 2600 pounds. Treating pressure was 1100 pounds and average injection rate was 44 barrels per minute minute. Preliminary test, 2664 MCF per day.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES