Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 03493
LEASE OR PERMIT TO PROSPECT
Huerfano Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 19 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Stanolind Oil and Gas Company Address Box 591, Tulsa, Oklahoma
Lessor or Tract Huerfano Unit Field Wildcat State New Mexico
Well No. 23 Sec. 19 T. 26N R. 9W Meridian NMPM County San Juan
Location 1650 ft. {N.} of S Line and 990 ft. {E.} of E Line of Section 19 Elevation 6471
(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 October 14, 1953 Title Field Superintendent

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

Commenced drilling April 21, 19 53 Finished drilling April 28, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1955 to 2015 (G) No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from

IMPORTANT WATER SANDS

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

RECEIVED
OCT 16 1953
OIL CON. COM.

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"	28	8	Made in Germany	102	Guide				
5-1/2"	14	8	Spang	1970	Guide				
1-1/4"	2.3	8	Bethlehem	2004			1994	2004	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	114	75	Displacement		
5-1/2"	1969	75	Displacement		

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 2015 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Sept. 4, 19 53 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 139,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 596

EMPLOYEES

G. F. Lumbatis, Driller E. B. Barnard, Driller
T. A. Wilson, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1785	1785	Shale and sand
1785	1955	170	Shale, sand and coal
1955	2015	60	Sand (Top Pictured Cliffs - 1955')

[OVER]

16—43094-3

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.

Well was spudded at 5:00 P.M., April 21, 1953, and drilled to a depth of 1970 feet with rotary rig. 5½" casing was landed at 1969 feet with 75 sacks of cement. Then the well was drilled to a total depth of 2015 feet with rotary rig by using gas for drilling from 1970 to 2015 feet.

The well was treated with 4000 pounds of sand and 5000 gallons of diesel fuel from 1970 to 2015 feet. Casing breakdown pressure with diesel 1000 pounds. Treating casing pressure 1000 to 1100 pounds. Average injection rate, 170 gallons per minute. Well failed to unload. Moved in cable tool rig and injected 10,515 MCF of gas from Huerfano Unit Well No. 4. Well shut in 3 days. Shut in casing pressure 602 psi. Blew well, ejected 11,000 MCF in 6 days. Well shut in 7 days. Shut in casing pressure 596 psi. Three hour potential test measured 139 MCF per day, September 11, 1953.

Well shut in for pipe line connection.