Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE ~~Navajo Allotted~~
SERIAL NUMBER ~~I-149 — Ind. 3466~~
LEASE OR PERMIT TO PROSPECT John Charles

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Skelly Oil Company Address P.O. Box 426 - Farmington, New Mexico
Lessor or Tract John Charles Field South Blanco (P.C.) State New Mexico
Well No. 4 Sec. 13 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 990 ft. [N.] of S. Line and 990 ft. [E.] of E. Line of Section 13 Elevation 5970'
(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 December 31, 1956 Title District Foreman

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

Commenced drilling November 25, 1956 Finished drilling December 6, 1956

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from G-1977' to 2056' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None 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"	28#	8r	J-55	151'	Cement Guide				
5-1/2"	14#	8r	J-55	2107'	Comb. Float & Guide		1987'	2043'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	160'	150	Circulated		
5-1/2"	2112'	150	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

~~Sand-water Fraced~~

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
~~Fraced through perforations w/54,414 gals. & 40,000#.~~						
~~B.D.P. 2000# - Max. TP 1600# - Min. TP 1400# - Inj. Rate 77.2 B.P.M.~~						

TOOLS USED

Rotary tools were used from 0 feet to 2145' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

December 6, 1956 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 1,020,000 CFGPD Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. SITP 780# - SICP 720#

EMPLOYEES

Banner Drilling Company, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	1210'	1210'	Sand & Shale
1210'	1740'	530'	Kirtland
1740'	1977'	237'	Fruitland
1977'	2072'	95'	Pictured Cliffs
2072'	2145'	73'	Lewis Sands
2145' - T.D.			
2044' - P.B.T.D.			

FOLD MARK

[OVER]

16—43094-4

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.