Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER I-149 Ind. 8466
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 Drawer 510, Farmington, New Mexico
Lessor or Tract John Charles Field Blanco-MV Undes.-Dakota State New Mexico
Well No. 7 Sec. 13 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 790 ft. [N.] of S Line and 1650 ft. [E.] of W Line of Section 13 Elevation 6007 D.F.
(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 [redacted]

Date August 26, 1960 Title District Superintendent

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

Commenced drilling May 6, 1960 Finished drilling June 2, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6450 to 6480 - G No. 4, from ____ to ____
No. 2, from 6374 to 6390 - G No. 5, from ____ to ____
No. 3, from 4290 to 4385 - G 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
10-3/4	32.75	8R	FW H40	314	Cement guide				
7	23	8R	SS N-80	1718			6450	6480	
7	23	8R	SS J-55	4941	Cement guide & Float collar.		6374 4290	6390 4385	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	329	375	HOWCO		
7	6676	650	HOWCO		

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
Sand Fractured see reverse						

TOOLS USED

Rotary tools were used from surface feet to 6680 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing Shut in for pipeline connection July 1, 19 60

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

Warren Bradshaw Drilling Co., Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	3583'	3583'	Sand & Shale
3583'	4238'	655'	Top Mesa Verde 3583.
4238'	5578'	1340'	Top Point Lookout 4238.
5578'	5740'	38'	Top Middle Gallup 5578.
5740'	5923'	183'	Top Lower Gallup 5740.
5923'	6273'	350'	Top Sanastee 5923.
6273'	6332'	59'	Top Greenhorn 6273.
6332'	6373'	41'	Top Graneros 6332.
6373'	6411'	38'	Top I Dakota 6373.
6411'	6500'	89'	Top II Dakota 6411.
6500'	6627'	127'	Top III Dakota 6500.
6627'	6680'	53'	Top IV Dakota 6627.
TOTAL DEPTH	6680'.		

[OVER]

PLUGGED BACK TOTAL DEPTH: 6631'

Tops by Schlumberger Electric-Induction and Gamma Ray Neutron Log.

FOLD | MARK

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.

Sand Frac Treatment No. 1 Perforations 6450-6456 & 6464-648. Pumped down tubing, 20,000# of sand and 27,105 gallons of crude oil. Breakdown pressure 4000#-2800#. Injection rate 8.2 barrels per minute.

Sand Frac Treatment No. 2 - Perforations 6374 to 6390. Pumped down tubing, 20,000# sand and 26,100 gallonsof crude oil. Breakdown pressure 3700#. Injection rate 8 barrels per minute.

Sand Frac Treatment No. 3 - Perforations 4290-4385. Pumped down 7" casing, 60,000# of sand and 51,293 gallons of water. Breakdown pressure 1700#. Injection rate 71.4 barrels per minute.

Production packer set at 6344'.

Tested Mesa Verde formation on 6/24/60. 7 day shut in 1114#.
After 3 hour test period gas gauged 3314 MCF through 3/4" positive tubing choke for a calculated AOF of 4000 MCF per day. FFP 263#.

Tested Dakota formation 7-1-60 9 day shut in 2055#.
After 3 hour test period gas gauged 950 MCF per day through 3/4" positive tubing choke for calculated AOF of 985 MCF per day. FFP 73#.