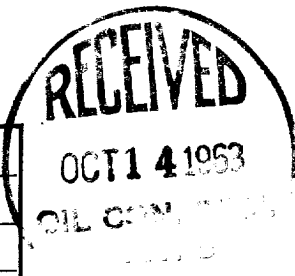


U. S. LAND OFFICE Window Rock
SERIAL NUMBER 14-20-600-3540
LEASE OR PERMIT TO PROSPECT _____

11									



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Box 730 - Hobbs, New Mexico
Lessor or Tract Navajo "P" Field Many Rocks Gallup State New Mexico
Well No. 11 Sec. 35 T. 32N R. 17W Meridian N.M.P.M. County San Juan
Location 810 ft. $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$ of N. Line and 510 ft. $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$ of N. Line of Sec. 35 Elevation 5919'
(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 (ORIGINAL SIGNED) H. E. Aab

Date October 5, 1963 Title Dist. Supt.

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

Commenced drilling September 1, 1963 Finished drilling September 5, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1785 to 1787' 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 _____ 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		Purpose
							From-	To-	
<u>7-5/8"</u>	<u>9.5</u>	<u>8</u>	<u>3-55</u>	<u>1835</u>	<u>Plug</u>	<u>1781</u>	<u>1782</u>	<u>Production</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8"</u>	<u>30'</u>	<u>0</u>	<u>By Hand</u>	<u>1.25</u>	<u>1000</u>
<u>4-1/2"</u>	<u>1830'</u>	<u>160</u>	<u>Pump & Plug</u>	<u>1.25</u>	<u>1000</u>

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
<u>Treated through 4-1/2" OD casing perf. 1783'-1788' with 250 gallons HCA Acid & 200# 20/40 sand. Treated through 4-1/2" OD casing perf. 1781'-1788' with 49,780 gallons of lease oil and 90,000# 20/40 sand.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 1835 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing September 28, 1963
The production for the first 24 hours was 63 barrels of fluid of which 99.9% was oil; .1% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 41.4°
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Johnston, Driller _____, Driller
Odom, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
<u>0</u>	<u>330</u>	<u>330</u>	<u>Sand & Shale</u>
<u>330</u>	<u>1450</u>	<u>1120</u>	<u>Sand & Shale - Top Mancos - 330'</u>
<u>1450</u>	<u>1644</u>	<u>194</u>	<u>Sand & Shale - Top Middle Gallup - 1450'</u>
<u>1644</u>	<u>1782</u>	<u>138</u>	<u>Sand & Shale - Top Lower Gallup - 1644'</u>
<u>1782</u>	<u>1792</u>	<u>10</u>	<u>Sand & Shale - Top Tesito - 1782'</u>
<u>1792</u>	<u>1835</u>	<u>43</u>	<u>Sand & Shale - Top Sanastee - 1792'</u>
	<u>1835</u>		
	<u>1811</u>		
		<u>Total Depth</u>	
		<u>Plug Back Total Depth</u>	

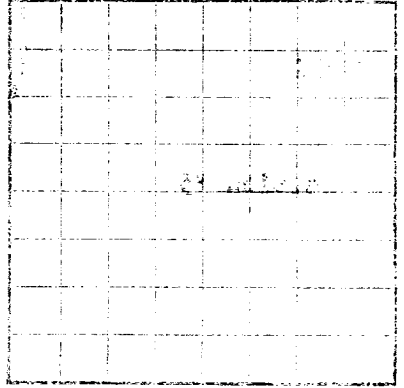
Geological Tops picked by Schlumberger Induction Gamma Ray Log

CORE NO. 1 - 1770' - 1790' - (20') - RECOVERED - 20'

Top - 8' - Black shale
Next - 4' - Shale with thin sand streaks
Next - 5' - Sandstone, tight gray with shale streaks & horizontal fractures
Next - 3' - Shale with lime streaks

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company name, address, and location of well. The information given here is a complete and correct record of the well and all work done thereon to date as far as can be determined from all available records. The information given here is for the condition of the well as above data.

LOG OF SANDS OR ZONES

Log of sands or zones, including depth and description of each zone.

IMPORTANT WATER SAMPLES

Log of important water samples, including depth and description of each sample.

CASING RECORD

Log of casing record, including depth, diameter, and material used.

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 added 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 drilling.

HISTORY OF OIL OR GAS WELL

DATE	DEPTH	DESCRIPTION	REMARKS
		SHOOTING RECORD	
		TOOLS USED	
		DATES	
		EMPLOYEES	
		FORMATION RECORD	
		MIDDING AND CEMENTING RECORD	
		PLUGS AND BRIDGES	
		LOGS AND PAPERS	
		AMOUNT OF MATERIAL USED	
		PRODUCTION	
		TESTS	
		REMARKS	