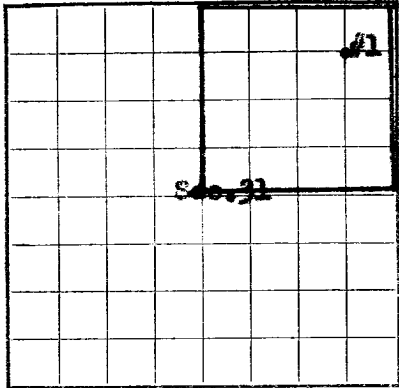




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 07958
LEASE OR PERMIT TO PROSPECT Lockhart "A"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SKELLY OIL COMPANY Address Box 426, Farmington, New Mexico
Lessor or Tract Lockhart "A" Field Undesignated (Gallup) State New Mexico
Well No. 1 Sec. 31 T. 25N R. 10W Meridian N.M.P.M. County San Juan
Location 660 ft. N. of N. Line and 660 ft. W. of E. Line of Section 31 Elevation 6721' 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 _____

Date September 11, 1957 Title District Superintendent

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

Commenced drilling June 27, 1957 Finished drilling July 18, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5144' G to 5195' G 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		Purpose
							From—	To—	
<u>10-3/4"</u>	<u>32.75#</u>	<u>8</u>	<u>H-40</u>	<u>260'</u>	<u>Halliburton guide</u>				
<u>5-1/2"</u>	<u>14#</u>	<u>8</u>	<u>J-55</u>	<u>5318'</u>	<u>Halliburton comb.</u>		<u>(5181'</u>	<u>5195'</u>	<u>Production</u>
							<u>(5144'</u>	<u>5164'</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>10-3/4"</u>	<u>271'</u>	<u>150</u>	<u>Halliburton</u>		
<u>5-1/2"</u>	<u>5298'</u>	<u>250</u>	<u>Halliburton</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

<u>See reverse side.</u>	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 5300 feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 4500 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C.P. 860#, T.F. 165#.

_____, Driller _____, Driller
Forre Drilling Company, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>1517'</u>	<u>1517'</u>	<u>Sand & Shale</u>
<u>1517'</u>	<u>1637'</u>	<u>120'</u>	<u>Pictured Cliffs</u>
<u>1637'</u>	<u>2992'</u>	<u>1355'</u>	<u>Lewis</u>
<u>2992'</u>	<u>3035'</u>	<u>43'</u>	<u>Cliff House</u>
<u>3035'</u>	<u>3978'</u>	<u>943'</u>	<u>Manefee</u>
<u>3978'</u>	<u>4158'</u>	<u>180'</u>	<u>Point Lookout</u>
<u>4158'</u>	<u>5065'</u>	<u>907'</u>	<u>Nancoos</u>
<u>5065'</u>	<u>5144'</u>	<u>79'</u>	<u>Gallup "H"</u>
<u>5144'</u>	<u>5300'</u>	<u>156'</u>	<u>Gallup "J"</u>
<u>TOTAL DEPTH</u>		<u>5300'</u>	
<u>PLUGGED BACK TOTAL DEPTH</u>		<u>5215'</u>	

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HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
			Perforated 5 1/2" casing 5181' to 5195' with two 9/16" bullets & two jet shots per foot by Schlumberger. Total of 28 bullets & 28 jet shots. Placed lower Gallup formation down 5 1/2" casing with 20,000 gal. 1st oil with 1# sand per gal. Broke down formation at 2250#. Max. pressure 2200#, Min. pressure 2100#, Max. injection rate 49.8 bbls. per min. Flashed & over-flashed with 9670 gal. Time of treatment 16 min. Performed 5 1/2" casing 5164' to 5164' with 2 same wells jet shots & 2 15/32" Type "R" bullets per foot. Total of 80 shots. Set Baker retrievable bridge plug at 5170'. Placed 5 1/2" casing perforations 5144-5164' w/20,000# 20/40 sand mixed w/27,600 gals. 1st. oil. Max. Pressure 2100#, Min. Pressure 1900#. Max. inj. rate 39 bbls. per min. Time of treatment 22 min. Ran Baker Model "C" catcher & pulled bridge plug.