

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Contract #68
LEASE OR PERMIT TO PROSPECT Jicarilla "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Sec. 31

x #19

Company Skelly Oil Company Address Box 426 - Farmington, New Mexico
Lessor or Tract Jicarilla "H" Field Otero (Gallup) State New Mexico
Well No. 19 Sec. 31 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 660 ft. [N.] of S Line and 1980 ft. [E.] of W Line of Section 31 Elevation 6753'
(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 (Signed) R. E. Cooper

Date January 29, 1959 Title District Superintendent

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

Commenced drilling ----- **December 30**, 19**58** ----- Finished drilling ----- **January 16**, 19**59** -----

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

No. 1, from 5982' to 5992' No. 4, from 6074' to 6080'
No. 2, from 6022' to 6032' No. 5, from _____ to _____
No. 3, from 6038' to 6062' 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

OD	Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
								From—	To—	
	10-3/4"	32.75#	8R	H-40	302	Cement guide				
	5-1/2"	15.5#	8R	J-55	6181	Cement guide & float collar.				
							5962	5992	Production	
							6022	6092	Production	
							6038	6062	Production	
							6074	6080	Production	

MUDDING AND CEMENTING RECORD

OD	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"		314	300	Halliburton		
5-1/2"		6149 (2-stage)	750	Halliburton		

Temperature survey on 1st stage indicated top of cement behind 5 1/2" OD casing at 4733'

Temperature survey on 2nd stage indicated top of cement behind 5 1/2" OD casing at 2094'

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
Frased Gallup formation w/25,000# 20/40 sand & 33,332 gals. lse. oil by Halliburton						
BDP 1750#, Max. TP 3200#, Min. TP 2550#, Inj. rate 30 BPM. Standing pressure 14.00#						

TOOLS USED

Rotary tools were used from 0 feet to 6150 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

January 29, 19 59 Put to producing January 26, 19 59

The production for the first 24 hours was 163 barrels of fluid of which 99.8% was oil; .2% emulsion; -----% water; and -----% sediment. Gravity, °Bé. 41.7

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. TP 75#, CP 325#

EMPLOYEES

Nichols Drilling Company, Inc., Driller _____, Driller _____

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2601	2601	Sand & Shale.
2601	2681	80	Sand & Shale - Top Pictured Cliffs 2601'
2681	4160	1479	Sand & Shale - Top Lewis 2681'
4160	4260	100	Sand & Shale - Top Cliff House 4160'
4260	4815	555	Sand & Shale - Top Menefee 4260'
4815	5025	210	Sand & Shale - Top Point Lookout 4815'
5025	5936	911	Sand & Shale - Top Mancos 5025'
5936	6150	214	Sand & Shale - Top Gallup 5936'
			Tops by Schlumberger Induction-Electrical Log.
<u>TOTAL DEPTH</u>		<u>6150'</u>	
<u>PLUGGED BACK TOTAL DEPTH</u>		<u>6100'</u>	

