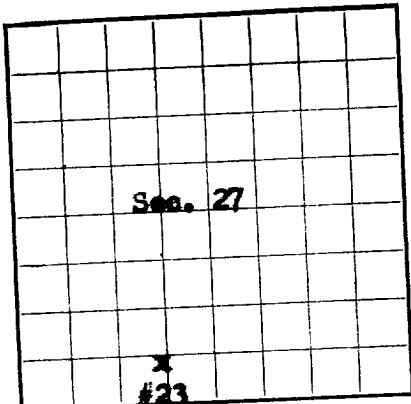


U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Contract #34**
LEASE OR PERMIT TO PROSPECT
Jicarilla "C"

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 **Jicarilla "C"** Field **Otero (Gallup)** State **New Mexico**
Well No. **23** Sec. **27** T. **25N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **660** ft. [N.] of **S** Line and **1900** ft. [E.] of **W** Line of **Section 27** Elevation **6693'**
(Derriek floor relative to M.S.L.)
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) **P. E. Cooper**

Date **April 28, 1959** Title **District Superintendent**
The summary on this page is for the condition of the well at above date.
Commenced drilling **January 23,** 19**59** Finished drilling **February 6,** 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6100** to **6106** No. 4, from **6198** to **6204**
No. 2, from **6130** to **6146** No. 5, from to
No. 3, from **6156** to **6180** 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	
10-3/4" 304	750	2	Halliburton	300			6100	6106	Production
5-1/2" 6279	750 (2-stage)		Halliburton				6130	6146	Production
							6156	6180	Production
							6198	6204	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4" 304		300	B.J. Service, Inc.		
5-1/2" 6279		750 (2-stage)	Halliburton		
Temperature survey on 1st. stage indicated top of cement behind 5 1/2" OD casing at 5164'.					
Temperature survey on 2nd. stage indicated top of cement behind 5 1/2" OD casing at 2114'.					

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Well was Sand/Oil fraced	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Fraced 5 1/2" OD casing and 2" tubing, through 5 1/2" OD casing perfs. w/25,000# 20/40 sand and 28,500 gals. lease oil by Dowell, using 105 rubber frac balls. BOP 1500#, maximum TP 2725#, Minimum TP 2400#, Injection rate 25 BPM. Standing pressure 1475#.						

TOOLS USED

Rotary tools were used from **0** feet to **6280** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

April 28, 19**59** Put to producing **April 13,** 19**59**
The production for the first 24 hours was **60** barrels of fluid of which **99.8** % was oil; **.2** %
emulsion; **0** % water; and % sediment. Gravity, °Bé. **41.6**
If gas well, cu. ft. per 24 hours **GOR 2355:1** Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

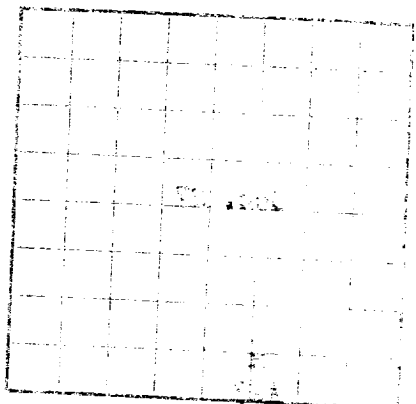
Nichols Drilling Co., Inc. Driller
Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	2746	2746	Sand and Shale
2746	2829	83	Sand and Shale - Top Pictured Cliffs 2746'
2829	3582	753	Sand and Shale - Top Lewis 2829'
3582	4892	1310	Sand and Shale - Top Chacra Sand 3582'
4892	5132	240	Sand and Shale - Top Point Lookout 4892'
5132	6073	941	Sand and Shale - Top Mancoes 5132'
6073	6129	56	Sand and Shale - Top Gallup 6073'
6129	6280	151	Sand and Shale - Top Middle Gallup 6129'
TOTAL DEPTH			Tops by Schlumberger Induction-Electric Log
PLUGGED BACK TOTAL DEPTH			
6251			

U.S. GEOLOGICAL SURVEY
BUREAU OF MINERAL INVESTIGATION
OFFICE OF PERMIT TO PROSPECT

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOG OF OIL OR GAS WELL

Company _____
Location of well _____
Well No. _____
Date of completion _____
The information given hereafter is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Signed _____
Title _____

This summary on this page is for the condition of the well as above date _____

OIL OR GAS SANDS OR ZONES

_____ to _____
_____ to _____
_____ to _____
_____ to _____
_____ to _____

IMPORTANT WATER SANDS

_____ to _____
_____ to _____
_____ to _____

CASING RECORD

_____ to _____
_____ to _____
_____ to _____

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well, and the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was replaced, be full in the well, give date, size, position, and number of shoes. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

MUDDING AND CEMENTING RECORD

_____ to _____
_____ to _____
_____ to _____

SHOOTING RECORD

_____ to _____
_____ to _____
_____ to _____

TOOLS USED

_____ to _____
_____ to _____
_____ to _____

DATES

_____ to _____
_____ to _____
_____ to _____

EMPLOYEES

_____ to _____
_____ to _____
_____ to _____

FORMATION RECORD

_____ to _____
_____ to _____
_____ to _____