

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

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Box 426, Farrington, New MexicoLessor or Tract Jicarilla "C" Field Otero (Gallup) State New MexicoWell No. 21 Sec. 28 T. 25N R. 5W Meridian N.M.P.M. County Rio ArribaLocation 1980 ft. N. of S Line and 1980 ft. W. of E Line of Section 28 Elevation 6635'
(Derive 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) P. E. Gosper
Signed _____Date April 28, 1959 Title District Superintendent

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

Commenced drilling December 1, 1958 Finished drilling December 18, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6024' to 6032' No. 4, from 6122' to 6130'No. 2, from 6056' to 6072' No. 5, from _____ to _____No. 3, from 6084' to 6104' 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" OD	306	300	Halliburton				6024'	6032'	Production
5-1/2" OD	6249	739 (2-stage)	Halliburton				6056'	6072'	Production
							6084'	6104'	Production
							6122'	6130'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4" OD	306	300	Halliburton		
5-1/2" OD	6249	739 (2-stage)	Halliburton		
Temperature survey on 1st stage indicated top of cement behind 5 1/2" OD casing at 5239'					
Temperature survey on 2nd stage indicated top of cement behind 5 1/2" OD casing at 2106'					
Heaving plug—Material _____ Length _____ Depth set _____					
Adapters—Material _____ Size _____					

SHOOTING RECORD

Well was Sand/Oil Fr. or	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Fraced Gallup formation w/25,000# 20/40 Sand & 21,000 gals. lse. oil by Halliburton.					
BDP 3050#, Max. TP 3400#, Min. TP 2900#. Inj. rate 30.9 BPM.					Standing pressure in 5 min. 1200#.

TOOLS USED

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

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

DATES

_____ 19____ Put to producing _____ 19____

The production April 28 at 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. 24 Gravity, °Bé. 99.8If gas well _____ cu. ft. per 24 hours _____ GOR 2830:1 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

Nichols Drilling Company, Inc. Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2655	2655	Sand & Shale
2655	2753	98	Sand & Shale - Top Pictured Cliffs 2655'
2753	3503	750	Sand & Shale - Top Lewis 2753'
3503	4849	1346	Sand & Shale - Top Chacra Sand 3503'
4849	5085	236	Sand & Shale - Top Point Lookout 4849'
5085	6006	921	Sand & Shale - Top Mancos 5085'
6006	6054	48	Sand & Shale - Top Gallup 6006'
6054	6230	176	Sand & Shale - Top Middle Gallup 6054'
6230	6253	23	Sand & Shale - Top Lower Gallup 6230'
TOTAL DEPTH			Tops by Schlumberger Induction-Electric Log.
6253'			
PLUGGED BACK TOTAL DEPTH			
6207'			

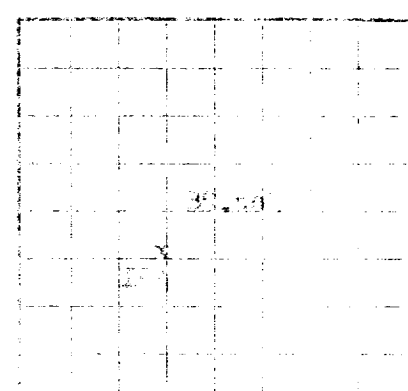
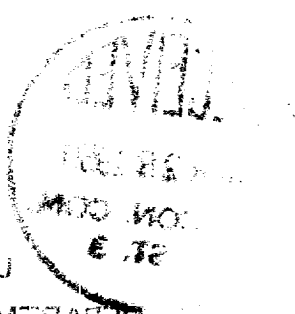


FIGURE 1. WELL CORRELATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Name _____
Location of Well _____
Well No. _____
The information given herewith is a complete and correct record of the well and all work done thereon.
No other data have been obtained from this well.

Date _____
The summary on this page is for the condition of the well at above date.
Comments on drilling _____

OIL OR GAS SANDS OR NONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

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.

HISTORY OF OIL OR GAS WELL

10-4000-2 U.S. GEOLOGICAL SURVEY

MUDGING AND CEMENTING RECORD

Case	Water used	Amount of mud used

TRIPS AND ABANDONS

Abandonment of material _____
Trips _____

SHOOTING RECORD

Quantity	Rate	Depth shot	Depth cleared out

TOOLS USED

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

DATES

Run to producing _____
The production for the first 24 hours was _____ barrels of fluid of which _____ was oil and _____ was water; and _____ sediment.
It gas wells out at _____ per 24 hours.
Block pressure, _____ per sq. in.

EMPLOYEES

Under _____

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	1000	1000	Reddish-brown sandstone
1000	1500	1500	Dark brown - gray shale
1500	2000	2000	Dark brown - gray shale
2000	2500	2500	Dark brown - gray shale
2500	3000	3000	Dark brown - gray shale
3000	3500	3500	Dark brown - gray shale
3500	4000	4000	Dark brown - gray shale
4000	4500	4500	Dark brown - gray shale
4500	5000	5000	Dark brown - gray shale
5000	5500	5500	Dark brown - gray shale
5500	6000	6000	Dark brown - gray shale
6000	6500	6500	Dark brown - gray shale
6500	7000	7000	Dark brown - gray shale
7000	7500	7500	Dark brown - gray shale
7500	8000	8000	Dark brown - gray shale
8000	8500	8500	Dark brown - gray shale
8500	9000	9000	Dark brown - gray shale
9000	9500	9500	Dark brown - gray shale
9500	10000	10000	Dark brown - gray shale