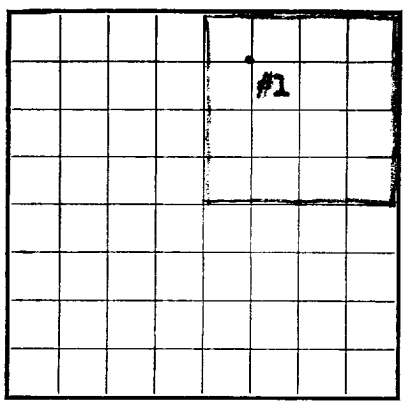
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Navajo Tribe
SERIAL NUMBER Navajo "K"
LEASE OR PERMIT TO PROSPECT
14-20-603-1442



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SKELLY OIL COMPANY Address P.O. Box 426, Farmington, New Mexico
Lessor or Tract Navajo "K" Field Bisti (Gallup) State New Mexico
Well No. 1 Sec. 21 T. 25N R. 11W Meridian N.M.P.M. County San Juan
Location 660 ft. {N. / S.} of N. Line and 1980 ft. {E. / W.} of E. Line of Section 21 Elevation 6437'
(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 P. E. Cosper
Date March 31, 1958 Title District Superintendent

The summary on this page is for the condition of the well at above date.
Commenced drilling November 29, 19 57 Finished drilling December 13, 19 57

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

No. 1, from G 4894 to 4911 No. 4, from to
No. 2, from G 4922 to 4939 No. 5, from to
No. 3, from to No. 6, from to

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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 From—	Perforated To—	Purpose
10-3/4"	32.75#	8r	H-40	231	Cement guide				
5-1/2"	14#	8r	H-40	5024	Cement guide & float collar		4894	4939	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	242	250	Halliburton		
5-1/2"	5001	250	Halliburton		

Temperature survey indicated top of cement behind 5½" casing at 3900'.

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

TOOLS USED

Rotary tools were used from 0 feet to 5010' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

March 31, 19 58 Put to producing Shut in for connection January 1, 19 58

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 4,640,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. TP 1100#, CP 1180#

EMPLOYEES

~~Schafer Drilling Company~~, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1241	1241	Sand & Shale Top Pictured Cliffs 1241'
1241	3729	2488	Sand & Shale Top Point Lookout 3729'
3729	3881	152	Sand & Shale Top Mancos 3881'
3881	4782	901	Sand & Shale Top Gallup "H" 4782'
4782	4894	112	Sand & Shale Top Gallup "J" 4894'
4894	5010	116	Sand & Shale
TOTAL DEPTH		5010'	Tops by Schlumberger Electric Log.
PLUGGED BACK TOTAL DEPTH		4966'	

Perforated 5½" casing 4938-4939' with 4 Schlumberger jet shots. Well commenced flowing 3000 MCF gas per day thru perforations. Killed well & perforated 5½" casing with 4 Schlumberger jet shots per ft. as follows:

4894-4911'	(17')	68 shots
4922-4938'	(16')	64 shots
Total	(33')	132 shots

Set 2" tubing at 4906'.

Fraced Gallup formation down 5½" casing & 2" tubing, thru perforations 4894-4911 & 4922-4939 with 40,000# 20-40 sand & 37,078 gals. crude oil. Flushed with 8190 gals. crude oil. BDP 1200#, Max. TP 2300#, Min. TP 2200#. Injection rate 27 BPM.

[OVER]

16—43094-4

FOLD MARK

REPRODUCTION RECORD—DO NOT DETACH
AT THE END OF COMPLETE LOGS ONLY

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.

DIST. 3
OIL CON. COM.
MAY 1 1956
RECEIVED