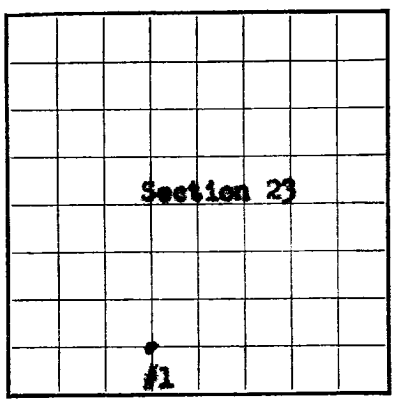
Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-2013
LEASE OR PERMIT TO PROSPECT Navajo "N"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Skelly Oil Company Address Box 38 - Hobbs, New Mexico
Lessor or Tract Navajo "N" Field Gallup (Wildcat) State New Mexico
Well No. 1 Sec. 23 T. 28N R. 15W Meridian N.M.P.M. County San Juan
Location 660 ft. {N. / S} of S Line and 1980 ft. {E. / W} of W Line of section 23 Elevation 5585'
(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 J. E. Lab

Date July 27, 1962 Title Dist. Supt.

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

Commenced drilling April 20, 1962 Finished drilling April 29, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4550 to 4564 (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 ____ 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
8-5/8"	32#	8rd	H-40	261'	Guide	—	—	—	Surface
4-1/2"	10.5 & 9.5	8rd	J-55	4715'	Float	—	4550	4564	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	261'	250	Pump & Plug	—	—
4-1/2"	4715'	150	Pump & Plug	—	—

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
Treated through 4-1/2" OD casing perfs. 4550-4564' with 23,352 gals. oil & 25,000# 20/40 sand.						

TOOLS USED

Rotary tools were used from 0 feet to 4716 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 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 534 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

____, Driller Adams ____, Driller
Babcock ____, Driller Speaker ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	517	517	Sand & shale - Top Ojo Alamo
517	2067	1550	Sand & shale - Top Pictured Cliffs - 517'
2067	3377	1310	Sand & shale - Top Mesaverde - 2067'
3377	4293	916	Sand & shale - Top Mancos - 3377'
4293	4390	97	Sand & shale - Top Gallup - 4293'
4390	4580	190	Sand & shale - Top Middle Gallup - 4390'
4580	4716	136	Sand & shale - Top Lower Gallup - 4580'
	4716 Total Depth		
	4677 Plugged Back Total Depth		
			Geological tops by Schlumberger Electric Logs.

FOLD

MARK

(OVER)

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.

CORE NO. 1 - 4556-4616' - Recovered 60'
Top 2' - White fine grained sand with interbedded black shale.
Next 20'- Black silty shale with very occasional interbeds of white very fine grained silty sand. Some of sand occurs throughout as unrelated minute lentils.
Next 12'- Black silty shale with interbeds of sand as above.
Next 26'- Black silty shale with very occasional interbeds of white very fine grained silty sand.

DRILL STEM TEST NO. 1 - 4522-4577':
Packer failed

DRILL STEM TEST NO. 2 - 4487-4577':
3/4" BHC, 1" TNC. Tool open for 13 mins. with strong flow of air immediately which declined to fair blow in 13 mins. Closed tool for 1 hour. Tool open 1-1/2 hrs. with strong blow of air immediately and declined to very weak blow at end of test. Shut in for 1 hour. Pulled tool & recovered 2270' of heavily gas cut mud. IBHSIP 1775#, FBHSIP 1525# after 1 hour, IBHFP 1115#, FBHFP 1195#. H.P. in & out 2220#.

RECEIVED