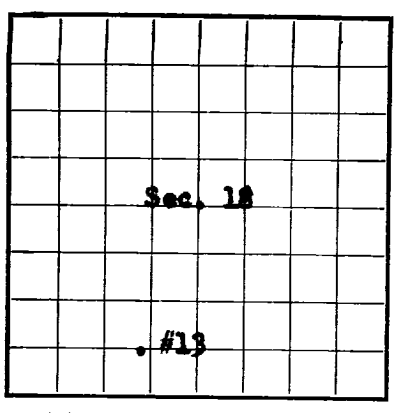
Recpied ent OCC August 19, 1958

Form 9-330

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

U. S. Land Office Santa Fe
Serial Number NM 013492
Lease or Permit to Prospect A. L. Duff



LOCATE WELL CORRECTLY

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 A. L. Duff Field Bisti (Gallup) Ext State New Mexico
Well No. 13 Sec. 18 T. 26N R. 13W Meridian N.M.P.M. County San Juan
Location 660 ft. {N./S.} of S Line and 2494 ft. {E./W.} of W Line of Sec. 18-26N-13W Elevation 6529'
(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 G. E. Cooper

Date August 19, 1958 Title District Superintendent

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

Commenced drilling July 17, 1958 Finished drilling July 31, 1958

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5346 to 5364 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
OD 10-3/4"	32.75#	8R	H-40	202'	Guide				
5½"	14#	8R	J-55	5434'	Guide		5346	5364	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
OD 10-3/4"	215'	250	Halliburton		
5½"	5437'	200	Halliburton		

Temperature survey indicated top of cement behind 5½" casing at 4620'

FOLD | MARK

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
Fraced down 5½" casing through 5½" casing perforations 5346-64' with 40,000# of sand and 53,340 gals. of lease oil. BDP 2000#, broke to 1500#, Max. TP 2400#, Min. TP 2000# Inj. rate 47.1 bbls. per min.						

TOOLS USED

Rotary tools were used from 0 feet to 5438 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing August 16, 19 58

The production for the first 24 hours was 135 barrels of fluid of which 99.8% was oil; .2 % emulsion; ____% water; and ____% sediment.

Gravity, °Bé. 37.9

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

Schafer Drilling Company, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1670	1670	Sand and Shale
1670	1758	88	Sand and Shale - Top Pictured Cliffs 1670'
1758	3148	1390	Sand and Shale - Top Lewis 1758'
3148	3205	57	Sand and Shale - Top Cliff House 3148'
3205	4120	915	Sand and Shale - Top Menefee 3205'
4120	4322	202	Sand and Shale - Top Point Lookout 4120'
4322	5233	911	Sand and Shale - Top Mancos 4322'
5233	5338	105	Sand and Shale - Top Gallup "H" 5233'
5338	5438	100	Sand and Shale - Top Gallup "H" 5338'
			Tops by Schlumberger Induction-Electrical Log

TOTAL DEPTH 5438'
PLUGGED BACK TOTAL DEPTH 5399'

(OVER)

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORM 9-330

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company Address

Lessor or Tract Field Area State

Well No. Sec. T. R. Meridian County

Location ft. {N. / S.} of Line and ft. {E. / W.} of Line of Elevation (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

Date Title

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

Commenced drilling Finished drilling

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from to 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

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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 feet to feet, and from feet to feet

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

DATES

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. Gallons gasoline per 1,000 cu. ft. of gas

If gas well, cu. ft. per 24 hours Rock pressure, lbs. per sq. in.

EMPLOYEES

Driller Driller

Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION