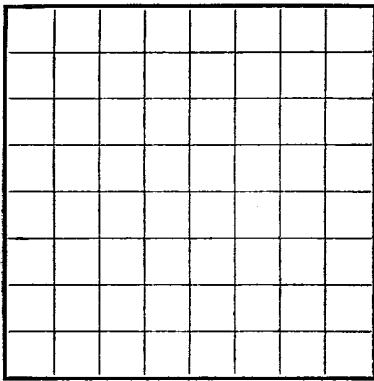


U. S. LAND OFFICE

SERIAL NUMBER **Cog 2 Tract 68**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Smith Drilling Corporation** Address **Farmington, New Mexico**
Lessor or Tract _____ Field **Wildcat** State **New Mexico**
Well No. **3-1** Sec. **19** T. **29N** R. **2W** Meridian **NMPM** County **Rio Arriba**
Location **990** ft. **N.** of _____ Line and **1650** **E.** of _____ Line of _____ Elevation **7102.9**
(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 **April 27, 1956**Title **President**

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

Commenced drilling **December 4,** 19**55** Finished drilling **February 10,** 19**56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3489** to **3538** 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		Purpose
							From—	To—	
8 5/8	24	8	CP&I	97'	Texas				
5 1/2	14	8	CP&I	3489	Reamer				
1	10	8	CP&I	3489	Reamer				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	97'	75 sacks			
5 1/2	3538	100 "			

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 **3538** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

FEB 13, 19**56** 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 **800 MCF**

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

Rock pressure, lbs. per sq. in. **960 # SICP**

EMPLOYEES

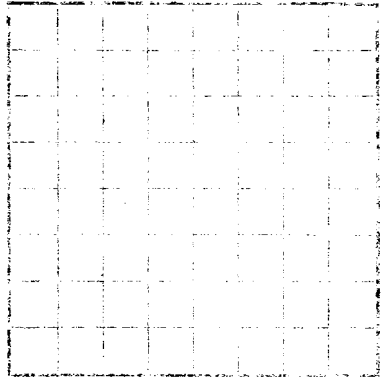
_____, Driller _____, Driller
A. Y. Old _____, Driller **J. C. Jones** _____, Driller
F. F. Roof _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	106	106	Surface sand and shale
106	1000	894	Sand and shale
1000	1150	150	Shale
1150	2025	875	Sand and shale
2025	2325	300	Sand shale
2325	3390	1065	Shale and sand
3390	3410	20	Sand
3410	3489	79	Shale and Sand and Coal
3489	3538	49	Sand (PICTURED CLIFF)

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY



Geography: _____
Locality: _____
Section: _____
Twp. _____
Range: _____
County: _____
State: _____
The information given here is a complete and correct record of the well and all operations thereon
to be as far as possible from all available records.

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

Complete at 800 lbs. In 2 minute pressure drop.

Breakdown at 1600 lbs. Treatment at 1000 lbs. Flush

4000 gal.

1 1/2 lbs per gal. use 10,000 gal. for treatment, flush with

Water also with 3 Dowell trucks used 15,000 lbs. sand

std s. of 3 shotw per foot. Perforating from 3508' to 3523'.

Set 5 1/2" casing throw pay zone perforating with sandblaster.

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.

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

HISTORY OF OIL OR GAS WELL

FROM-		TO-		TOTAL FEET		FORMATION	

COPY TO O. G. C.

P. O. Box 965
Farmington, New Mexico

November 29, 1955

Smith Drilling Corporation
P. O. Box 1617
315 1/2 W. Main Street
Farmington, New Mexico

Re: Jicarilla Tribal
Contract #29 Tract #68

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated November 29, 1955 covering your well No. S-1 Jicarilla in SW 1/4 sec. 19, T. 29 N., R. 2 W., N. M. P. M., Rio Arriba County, New Mexico, Wildcat Area.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent to you on request, and subject to the following conditions:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.
3. Approved subject to Forest Stipulation.

Very truly yours,

P. T. McGrath
District Engineer



PTMcGrath:al