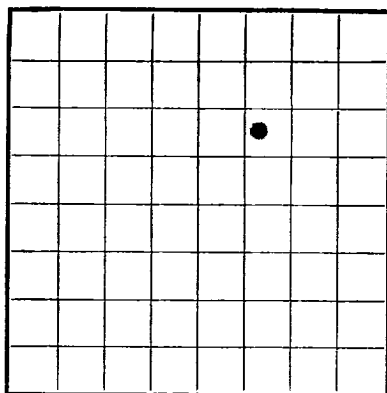


U. S. LAND OFFICE _____
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____

COM. UNITED STATES
3 DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

**729 East Main Street
Farmington, New Mexico**

Company **PETRO-ATLAS, INC.** Address **Farmington, New Mexico**
 Lessor or Tract **SOUTHERN CANYON "F"** Field **HORSESHOE CANYON** State **NEW MEXICO**
 Well No. **4** Sec. **3** T. **30N** R. **15W** County **SAN JUAN**
 Location **1430** ft. **SW** of **N** Line and **1250** ft. **SW** of **E** Line of **Sec. 3** Elevation **5321**
(Feet from surface)

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. ORIGINAL SIGNED BY

Date **October 20, 1958** Signed **N. B. Cove** Title **Engineer**

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

Commenced drilling **10-9-58**, 19____ Finished drilling **10-12**, 19 **58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1070** to **1114** No. 4, from _____ to _____
 No. 2, from **1133** to **1164** No. 5, from _____ to _____
 No. 3, from **1106** to **1106** 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

[illegible]

ROCKING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	91'	100 sz w/25 Co. Cl.	Pump	-	Cement Circulated
3-1/2"	1236'	100 sz w/25 Gral & 1/42 Flys Gral	Pump	94/gal	

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material _____ Size _____

FRANCIS J. MCGEE RECORD

Size	Shell used	Material used	Quantity	Date	Depth used	Depth cleaned out
		Loose sand	1000 lbs.	10/15/50	Perf.	
		20-40 fine sand	75,000	10/15/50	"	
		Bottom balls	200	10/15/50	"	

TOOLS USED

Rotary tools were used from _____ feet to 1206 feet, and from _____ feet to _____ feet.

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

DATES

Put to producing October 16, 1950

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

Rock pressure, lbs. per sq. in. _____

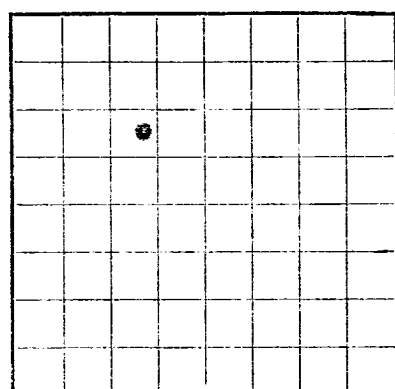
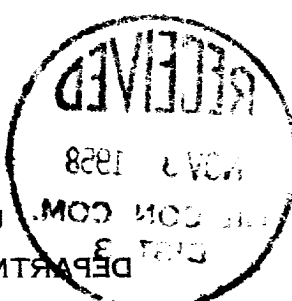
EMPLOYEES

_____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1244	1244	Shale and Sand
			<u>FORMATION DATA</u>
			Gallup Formation 1039'
			Gallup (Upper Sand) 1070'
			Gallup (lower sand) 1257'
			Sanpete 1218'

U. S. LAND OFFICE
SERIAL NUMBERLEASE OR PERMIT TO PRODUCE
SERIAL NUMBERDEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

123 East Main Street
Farmington, New Mexico

NEW MEXICO

State

Field

County

Elevation

(Feet above 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. ORIGINAL SIGNED BY

N. B. Cove

Engineer

Title

October 10, 1958

Date

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

Commenced drilling 10-9-58 Finished drilling 10-11-58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1070 to 1100	No. 4, from 1100 to 1110
No. 2, from 1110 to 1120	No. 5, from 1120 to 1130
No. 3, from 1130 to 1140	No. 6, from 1140 to 1150

IMPORTANT WATER SANDS

No. 1, from 1150 to 1160	No. 3, from 1160 to 1170
No. 2, from 1170 to 1180	No. 4, from 1180 to 1190

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Purposes
8-5/8"	22.7	4 1/2	Steel	100	None	From 1100 to 1110	For casing

HISTORY OF OIL OR GAS WELL

10-48094-2 U. S. GOVERNMENT PRINTING OFFICE

MATERIALS AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1100	100	Hand	1.25	100

PLUGS AND ADAPTERS

Material	Length	Depth used
Heavy plug	100	1100

TOOL JOBS RECORD

Size	Steel used	Quantity	Date	Depth used	Depth cleaned out
100	100	100	10-10-58	1100	1100

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
100	1100	1100	1100

DATES

Put to production	10-10-58
The production for the first 24 hours was	100
emulsion; water; and sediment	100
If gas well, cut ft. per 24 hours	100
Rock pressure, lbs. per sq. in.	100

EMPLOYEES

Driller	Driller
Driller	Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
100	1100	1000	Shale and sand
1100	1110	10	Shale
1110	1120	10	Shale
1120	1130	10	Shale
1130	1140	10	Shale
1140	1150	10	Shale
1150	1160	10	Shale
1160	1170	10	Shale
1170	1180	10	Shale
1180	1190	10	Shale
1190	1200	10	Shale
1200	1210	10	Shale
1210	1220	10	Shale
1220	1230	10	Shale
1230	1240	10	Shale
1240	1250	10	Shale
1250	1260	10	Shale
1260	1270	10	Shale
1270	1280	10	Shale
1280	1290	10	Shale
1290	1300	10	Shale
1300	1310	10	Shale
1310	1320	10	Shale
1320	1330	10	Shale
1330	1340	10	Shale
1340	1350	10	Shale
1350	1360	10	Shale
1360	1370	10	Shale
1370	1380	10	Shale
1380	1390	10	Shale
1390	1400	10	Shale
1400	1410	10	Shale
1410	1420	10	Shale
1420	1430	10	Shale
1430	1440	10	Shale
1440	1450	10	Shale
1450	1460	10	Shale
1460	1470	10	Shale
1470	1480	10	Shale
1480	1490	10	Shale
1490	1500	10	Shale
1500	1510	10	Shale
1510	1520	10	Shale
1520	1530	10	Shale
1530	1540	10	Shale
1540	1550	10	Shale
1550	1560	10	Shale
1560	1570	10	Shale
1570	1580	10	Shale
1580	1590	10	Shale
1590	1600	10	Shale
1600	1610	10	Shale
1610	1620	10	Shale
1620	1630	10	Shale
1630	1640	10	Shale
1640	1650	10	Shale
1650	1660	10	Shale
1660	1670	10	Shale
1670	1680	10	Shale
1680	1690	10	Shale
1690	1700	10	Shale
1700	1710	10	Shale
1710	1720	10	Shale
1720	1730	10	Shale
1730	1740	10	Shale
1740	1750	10	Shale
1750	1760	10	Shale
1760	1770	10	Shale
1770	1780	10	Shale
1780	1790	10	Shale
1790	1800	10	Shale
1800	1810	10	Shale
1810	1820	10	Shale
1820	1830	10	Shale
1830	1840	10	Shale
1840	1850	10	Shale
1850	1860	10	Shale
1860	1870	10	Shale
1870	1880	10	Shale
1880	1890	10	Shale
1890	1900	10	Shale
1900	1910	10	Shale
1910	1920	10	Shale
1920	1930	10	Shale
1930	1940	10	Shale
1940	1950	10	Shale
1950	1960	10	Shale
1960	1970	10	Shale
1970	1980	10	Shale
1980	1990	10	Shale
1990	2000	10	Shale