

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Frontier Refining Company** Address **4040 E. Louisiana-Denver, Colorado**
 Lessor or Tract **Walker, Et, Sec. 5** Field **Undesignated** State **New Mexico**
 Well No. **1** Sec. **5** T. **26N** R. **12W** Meridian **NMPM** County **San Juan**
 Location **660** ft. { **N** } of **N** Line and **1980** ft. { **E** } of **E** Line of **Sec. 5** Elevation **5910.6 KB**

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 _____
 Title **Drilling & Production Supt.**

Date July 15, 1957 Title Drilling & Production Supt.

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

Commenced drilling May 14, 1957, 19____ Finished drilling May 27, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>4962</u> to <u>5000</u>	No. 4, from _____
No. 2, from <u>5010</u> to <u>5047</u>	No. 5, from _____
No. 3, from _____ to _____	No. 6, from _____



IMPORTANT WATER SANDS

No. 1, from 1190 to 1330 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	32-3	8	H-12	217	guide		5006	5006	production
							4967	4997	production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	231 KB	200	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from surface feet to 5100 feet, and from _____ feet to _____ feet.

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

DATES

Put to producing July 5, 1957

The production for the first 24 hours was 65.3 barrels of fluid of which 100 % was oil; NIL % emulsion; NIL % water; and NIL % 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. not determined

EMPLOYEES

EMPLOYEES	
Claude Carroll Drilling Company, Driller	Driller
Farmington, New Mexico, Driller	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
704	732	28	Fruitland
1190	1330	140	Pictured Cliffs
1330	2040	710	Lewis
2040	3928	1888	Mesaverde
3928	4785	857	Mancos
4785	5050	265	Gallup
5050	5100	50	Lower Mancos

CORE DESCRIPTIONS

CORE #1:	Interval	Description
	4969-5014'	Full recovery.
	4969-82'	Shale dark gray, very fossiliferous bentonite streak at 4976'. Vertical fractured from 4969-71'.
	4982-90'	Shale as above w/occasional sand streak. Sand very fine grain, light gray, no apparent permeability and porosity. No shows.
	4990-94'	Shale, dark gray, fossiliferous, vertical fractured.
	4994-5007'	Sand and shale. 90% shale as above. Sand light gray, very fine grain, no permeability or porosity, vertical fractured from 99-01. 03-05. Bleeding oil & gas.
	5007-13'	Sand and shale. Sand light gray, fine grain, poor permeability & porosity, Glauconitic, bleeding oil & gas. Vertical fractured from 07-08.
	5013-14'	Sand as above with large carbonaceous conglomeratic inclusions.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A 10x10 grid with a small dot at (4, 8) and a small 'z' at (5, 5).

LOCATE WELL CORRECTLY

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.

Location { 2 } of { N } Line and 1380 ft { W } of { E } Line of Sec. 5

Well No. 1 Sec. 5 T. 25N R. 12W Meridian

State of Kansas

County of Shawnee

Field (Indicate) State New Mexico

Address 4040 E. Louisiana-Avever, Colorado

Company The Procter Kettling Company

Date _____ July 12, 1957 _____
 Title _____ Signed _____

Commenced drilling _____ 19____
Finished drilling _____ 19____
The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

(D) 200 stores

No.	from	to	Amount	Remarks
No. 1	from	to	2000	
No. 2	from	to	2000	
No. 3	from	to	2000	
No. 4	from	to	2000	
No. 5	from	to	2000	
No. 6	from	to	2000	
No. 7	from	to	2000	
No. 8	from	to	2000	
No. 9	from	to	2000	
No. 10	from	to	2000	

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ON COM. COM.
JUL 12 1957

See Form 4-371a questions A submitted for complete with history.

Winding No. of feet	Winding No. of feet	Threads per inch	Wires	Amount	Kind of shoe	Estimated value from Frame	Notes
150	150	12	2	100	Kind of shoe	Estimated value from Frame	Notes

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-50001-1

MURKIN AND CEMENTING RECORD

Size Weight	Where put	Number sacks of cement	Method used	Wind velocity	Amount of material
3 5/8	231 lb	200	Hand & wind		

PLUGS AND ADAPTERS

		Initial		Leaving place - Initial		Depth set		Time	
		Size							

SHOOTING RECORD

[illegible][illegible]

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

DETAILS

If gas well, cu. ft. per 24 hours		Gallons gasoline per 1,000 cu. ft. of gas
Emulsion; oil % water; and % sediment.		Gravity, °Be.
The production for the first 24 hours was _____ ss.	_____ barrels of fluid of which _____ % was oil;	Put to producing _____ days _____ 19____

EMPLOYEES

Farmington, New Mexico	Driller
Leads Corbett Drilling Company, Driller	Driller

FORMATION RECORD

FORMATION	TOTAL FEET	TO -	FROM -
Lower Devonian	50	2100	2150
Galena	100	2100	2200
Wagon Wheel	150	2100	2250
Waverly	150	2100	2300
Waverly	150	2100	2350
Waverly	150	2100	2400
Waverly	150	2100	2450
Waverly	150	2100	2500
Waverly	150	2100	2550
Waverly	150	2100	2600
Waverly	150	2100	2650
Waverly	150	2100	2700
Waverly	150	2100	2750
Waverly	150	2100	2800
Waverly	150	2100	2850
Waverly	150	2100	2900
Waverly	150	2100	2950
Waverly	150	2100	3000
Waverly	150	2100	3050
Waverly	150	2100	3100
Waverly	150	2100	3150
Waverly	150	2100	3200
Waverly	150	2100	3250
Waverly	150	2100	3300
Waverly	150	2100	3350
Waverly	150	2100	3400
Waverly	150	2100	3450
Waverly	150	2100	3500
Waverly	150	2100	3550
Waverly	150	2100	3600
Waverly	150	2100	3650
Waverly	150	2100	3700
Waverly	150	2100	3750
Waverly	150	2100	3800
Waverly	150	2100	3850
Waverly	150	2100	3900
Waverly	150	2100	3950
Waverly	150	2100	4000
Waverly	150	2100	4050
Waverly	150	2100	4100
Waverly	150	2100	4150
Waverly	150	2100	4200
Waverly	150	2100	4250
Waverly	150	2100	4300
Waverly	150	2100	4350
Waverly	150	2100	4400
Waverly	150	2100	4450
Waverly	150	2100	4500
Waverly	150	2100	4550
Waverly	150	2100	4600
Waverly	150	2100	4650
Waverly	150	2100	4700
Waverly	150	2100	4750
Waverly	150	2100	4800
Waverly	150	2100	4850
Waverly	150	2100	4900
Waverly	150	2100	4950
Waverly	150	2100	5000
Waverly	150	2100	5050
Waverly	150	2100	5100
Waverly	150	2100	5150
Waverly	150	2100	5200
Waverly	150	2100	5250
Waverly	150	2100	5300
Waverly	150	2100	5350
Waverly	150	2100	5400
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Waverly	150	2100	5800
Waverly	150	2100	5850
Waverly	150	2100	5900
Waverly	150	2100	5950
Waverly	150	2100	6000
Waverly	150	2100	6050
Waverly	150	2100	6100
Waverly	150	2100	6150
Waverly	150	2100	6200
Waverly	150	2100	6250
Waverly	150	2100	6300
Waverly	150	2100	6350
Waverly	150	2100	6400
Waverly	150	2100	6450
Waverly	150	2100	6500
Waverly	150	2100	6550
Waverly	150	2100	6600</

ENCLOSURE

[illegible]