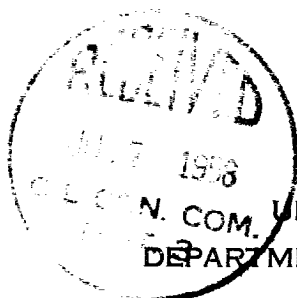


A 10x10 grid with a point plotted at (1, 5) and the number 31 written at (5, 5).

LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **080238A**
LEASE OR PERMIT TO PROSPECT _____

IT TO PROSPECT -----
RECEIVED

RIPR. JUL 2 1958
U.S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **The Frontier Refining Co.** Address **4040 East Louisiana Avenue**
Lessor or Tract **Gov't. Morgan** Field **Undesignated** State **New Mexico**
Well No. **4** Sec. **31** T. **27N** R. **12W** Meridian **NMPM** County **San Juan**
Location **2310** ft. ^N_S of **N** Line and **330** ft. ^E_W of **W** Line of **Section 31** Elevation **5902'** KB
5894' GL

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.

Date **June 10, 1958** Title **G. W. Hoffman**
Field Superintendent

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

Commenced drilling ----- **May 2** -----, 19 **58** Finished drilling ----- **May 16** -----, 19 **58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5002** to **5034** 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/4	228	200	plug & pump		
8-3/4	5078	125	plug & pump		Cent top 4400' KB

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
1/2"	Kone shot	Land Wells	4	5-28	5024	
1/2"	Carrot free	" "	128	5-28	5002-34	5039' KB

TOOLS USED

Rotary tools were used from surface feet to 5081 feet, and from _____ feet to _____ feet.

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

DATES

-----, 19----- Put to producing ~~June 6~~, 19-58

The production for the first 24 hours was 223 barrels of fluid of which 99.4 % was oil; 1 % emulsion; % water; and % sediment. Gravity, °Bé. 28.0

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

Rock pressure, lbs. per sq. in.:

EMPLOYEES

Nye & Snell Drig Co......, Driller , Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1182	1330	148	Pictured Cliffs
2025	3685	1660	Mesaverde
3710	3920	210	Point Lookout
3920	4780	860	Mancos
4780	5055	275	Callup

