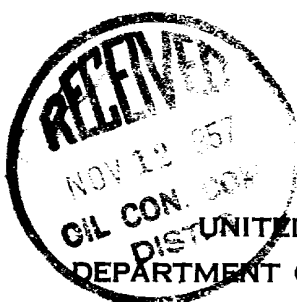


A coordinate grid with x and y axes ranging from 0 to 10. Points are plotted at integer coordinates where both x and y are equal or differ by 1, forming a staircase shape. The points are: (0, 0), (1, 0), (1, 1), (2, 1), (2, 2), (3, 2), (3, 3), (4, 3), (4, 4), (5, 4), (5, 5), (6, 5), (6, 6), (7, 6), (7, 7), (8, 7), (8, 8), (9, 8), (9, 9).

LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 88-619402
LEASE OR PERMIT TO PROSPECT

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

LOG OF OIL OR GAS WELL

Company Northwest Production Corp. Address 520 Sims Bldg., Albuquerque, N.M.
Lessor or Tract San Juan 27-8 Field South Blanco State New Mexico
Well No. 4-13 Sec. 13 T. 27N R. 8W Meridian NMPN County San Juan
Location 790 ft. {N.} of S. Line and 1830. {E.} of E. Line of Section 13 Elevation 6255 ungr
xx grad
(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 Ray Phillips
Date November 5, 1957 Title Asst. Mgr. Prod. Operations

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

Commenced drilling ----- ~~October 8~~, 19-~~57~~ Finished drilling ----- ~~October 28~~, 19-~~57~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2542 to 2590 **C** 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—	
7-3/8	24.0	8-ED	--	159.5	Leher guide				
5	11.5	8-ED	20000	159.15	Leher guide	2502	2590	Comp	
1-1/4	2.3	10-ED	CPLT	1596.49					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8	172	75	Boaco		
5	2643.33	100	Boaco		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

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

-----, 19--
 The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Put to producing -----, 19--
 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. _____

SI TP 8524. SI CR 8534. SI 7 days.

-----, Driller
L. F. Stone // **Drig Engr**
 -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1709	1709	Surface
1709	1820	111	Ojo Alamo-Sand w/shale streaks
1820	2327	507	Kirtland-Shale and sandy shale
2327	2529	202	Fruitland-Sand, shale and coal
2529	2626	97	Pictured Cliffs-Sand
2626	2660	34	Lewis-Shale

