

A 10x10 grid with the number 10 in the center and the letter x in the bottom-left corner.

USGS - 5
C.E. Aikman - 1
Acctg - 1
File - 1

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT
NM-024158

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Northwest Production Corp. Address 520 Simms Bldg., Albuquerque, N. M.
Lessor or Tract Blanco 30-12 Field Wildcat (Fruitland) State New Mexico
Well No. 3-10 Sec. 10 T. 30N R. 12W Meridian NMPM County San Juan
Location 1510 ft. {~~Sx~~^{N.}} of S Line and 990 ft. {~~W.~~^{XE}} of E Line of Section 10 Elevation 5713 ungr.
(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. RAY PHILLIPS
Signed Ray Phillips
Date January 11, 1957 Title Asst. Mgr., Prod. Opr.

Date January 11, 1957 Title Asst. Mgr., Prod. Opr.
The summary on this page is for the condition of the well at above date.

Commenced drilling October 18, 1956 Finished drilling December 28, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1754 to 1774 G. No. 4, from to
No. 2, from to No. 5, from
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None 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 -	
10-3/4	32.75	8-RD	J & L	213.8	Larkin Guide				
5-1/2	15.50	8-RD	CF6-I	4773.05	Baker Fluid				
5-1/2	14.00	8-RD	CF6-I	378.29					
2-3/8	4.70	8-RD	-	1714.06					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	228,0	200 w/2% GaCl	Howco		
5-1/2	4568,0	300 of 4% & 50 neat	Howco		

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 0 feet to 4568 feet, and from _____ feet to _____ feet

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

DATES

January 7, 1957 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, ^{MCF}~~cuxx~~ ft. per 24 hours 10,651 CAOF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. SI TP 642#. SI CP 643#. SI 9 days.

EMPLOYEES

L. A. Bedford, ~~Driller~~ Drlg. Engr. -----, Driller

R. E. Mize, ~~Driller~~ Drlg. Engr. -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	285	285	Surface
285	360	75	Ojo Alamo - Sand
360	1659	1299	Kirtland - Interbedded sand & shale
1659	1987	328	Fruitland - Interbedded sand, shale & coal
1987	2075	88	Pictured Cliffs - Sand
2075	3660	1585	Lewis - Shale
3660	3720	60	Cliff House - Sand
3720	4340	620	Menefee - Interbedded sand, shale & coal.
4340	4550	210	Point Lookout - Sand
4550	4568 TD	18	Mancos - Shale

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
Drill Stem Test Record			
DST # 1 fr 1970-2130. TO 4 hrs and SI 30 mins. Fair air blow timed - died in 25 mins. Rec 650' mud. IF 100#. RF 925#. SIP 925#. IH & FH 990#. Tool plugged.			
DST # 2 fr 1770-2130. TO 4 hrs and SI 30 mins. Slight air blow thru out. Rec 300' wtr cut mud. IF 70#. RF 100#. SIP 230#. IH & FH 770#.			
Coring Record			
Core #1 fr 4275-4334'. Cut 59' and rec 59' - 37' sil shly SS and 22' SS fine to med.			
Core #2 fr 4334-4394. Cut 60' and rec 60' - 42' sil shly SS fine and 18' SS fine.			
Core #3 fr 4394-4449. Cut 54' and rec 53' - 37' SS fine and 16' shly SS fine.			
Core #4 fr 4449-4508. Cut 59' and rec 53' - 49' SS fine and 4' sil shly SS fine.			
Core #5 fr 4508-4568. Cut 60' and rec 60' - 58' SS fine and 2' sil shly SS fine.			
FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
REMARKS			
DAYS			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND ADAPTERS			
HOODING AND CEMENTING RECORD			

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

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, 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.

TD 4566. BPD 4565'. Perf 52" csg fr 4234-40, 4304-08, 4347-4409, 4454-58, 4470-74, 4480-84, 4516-28, 4535-37, 4554-60 w/4 SPB. Drac lower MV w/451,200 gals wtr only using 535 rubber ball sealers. BD 1800#. Max and final 2000#. Stdg 1000#. IR 77 BPM. Well flowed back when press released after 6 hrs. Hung 2" tbg @ 4546' to test well. Gas 153M.

Pulled tbg and set retr BP @ 4438'. Retrac thru perfs 4234-4409 w/57,900 gals wtr mixed w/42 gals Dowell surt w/100000 lbs, using 235 rubber ball sealers. BP 1800#. IP 1600#. Avg 1700#. Max and final 1850#. Stdg 1000#. IR 63 BPM. Retrieved BP and cleaned out to 4565'.

Perf 3776-3812, 3982-94, 4050-62, 4132-46, 4178-98, w/4 SPB. Set BP @ 4230' and trac upper MV w/52,500 gals wtr mixed w/10 gals surt tension agent w/40,000# set using 315 rubber ball sealers. BD 2150#. IP 2000#. Avg 1700#. Max 2150#. Final 2000#. Stdg 1000# in 10 mins. IR 65.3 BPM. Retrieved BP and cleaned out 18' sd. Hung 2" tbg @ 4555' to test well. Rec wtr w/gas 153M.

Set mod "K" retr @ 3700' and squeezed MV perfs 3776-4560 w/125 sx reg. BD 800#. Final 800#. Perf 2 holes @ 1825', set mod "K" retr @ 1786' and squeezed w/75 sx reg. BD 1000#. Final 1000#. Stdg 0. Dropped bridging ball and press 1800# on retr. OK.

Perf 1754-1774 w/6 SPB. Set Baker full bore pkt @ 1716' and trac fruitland w/20,550 gals wtr and 20,000# 20-40 sd w/15 gals Hyflow. BD 1000#. Max 2200#. Min 1000#. Final 2200#. Stdg 750#. IR 62.3 BPM. Well kicked off after trac.

Set 1709.41' of 2-3/8" OD 4.7# 8-RD EUE tubing w/perf nipple and Otis closing tool @ 1723.56'. Released rig 12:01 am 12-28-56. ISI well for gage.

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