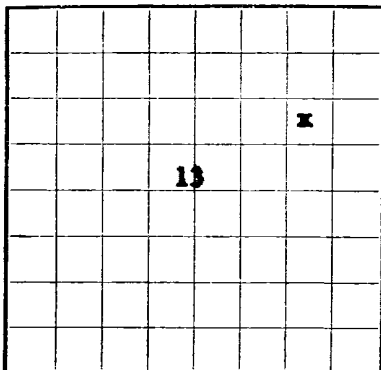


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-019402
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Northwest Production Corporation Address 520 Simms Bldg, Albuquerque, N. M.
Lessor or Tract San Juan 27-8 Field So Blanco State New Mexico
Well No. 3-13 Sec. 13 T. 27N R. 8W Meridian NMPM County San Juan
Location 1850 ft. SE of N Line and 990 ft. SE of E Line of Section 13 Elevation 6626 ungr
(Derrick floor relative to sea level) grnd

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
Ray PhillipsDate December 10, 1957 Title Asst. Mgr. Prod. Cpr.

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

Commenced drilling 11-8, 1957 Finished drilling 12-2, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2960 to 2980 G 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 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—	
7-5/8	24.0	3-ED	CP-1	131.0	Baker Guide				
5-1/2	15.5	8-ED	CP-1	3025.08	Baker Valve		2960	2980	Casing
1-1/4	2.3	10-ED	----	2955.76					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8	144.0	100	Howco		
5-1/2	3038.08	100	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 3045 feet, and from _____ feet to _____ feet

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

DATES

_____ December 9, 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, 1850 ft. per 24 hours CAGE 1,276 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. SI TP 822#. SI CP 823#. SI 7 days

EMPLOYEES

_____L.F. Stone _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2100	2100	Surface
2100	2185	85	Ojo Alamo - Sand
2185	2710	525	Kirtland - Shale w/thin sand stringers
2710	2915	205	Fruitland - Sand, Shale and coal
2915	3012	97	Pictured Cliffs - Sand
3012	3045	33	Lewis - Shale

(OVER)

10-4500-4

