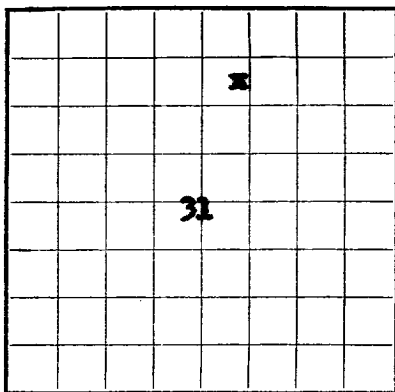




LOCATE WELL CORRECTLY

USGS
1- L.C. Truby
2- B. DeWees
1- Southern Union Gas
1- File

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **57078426**
LEASE OR PERMIT TO PROSPECT
#14-08-001-439

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Pacific Northwest Pipeline Corp.** Address **405 1/2 W. Broadway, Farmington**
Lessor or Tract **San Juan 29-6** Field **Elm neo M V** State **New Mexico**
Well No. **53-31** Sec. **31** T. **29N** R. **6W** Meridian **NMPM** County **Rio Arriba**
Location **790** ft. **S.** of **see** Line and **1730** ft. **W.** of **see** Line of **see 31** Elevation **6428**
(Derrick floor relative to sea level)
Regraded ground

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.

Original signed by T. A. Dugan

Date **September 26, 1956**Title **District Engineer**

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

Commenced drilling **7-20-56**, 19 **56** Finished drilling **9-4-56**, 19 **56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5034** to **5600** No. 4, from **5600** to **5649**
No. 2, from **5600** to **5649** No. 5, from **5649** to **5649**
No. 3, from **5649** to **5649** No. 6, from **5649** to **5649**

IMPORTANT WATER SANDS

No. 1, from **5649** to **5649** No. 3, from **5649** to **5649**
No. 2, from **5649** to **5649** No. 4, from **5649** to **5649**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Casing pulled from	Perforated		Purpose
							From	To	
10 3/4	32.75	8.625	301	24.12	Tex. Pat.				
7 5/8	24	8.625	301	0.69	Guide				
5 1/2	18	8.625	301	5.35	Flare				
2 3/8	4.7	8.625	301	5.87	Perf. Ripples				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	217	175 BX	Halliburton		
7 5/8	3425	200 BX	Halliburton		
5 1/2	5645	200 BX	Halliburton		

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 **220** feet to **5649** feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **220** feet, and from _____ feet to _____ feet

DATES

9-4-56, 19 **56** Put to producing _____, 19 **56**

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

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

Rock pressure, lbs. per sq. in. **17,925 GAGE**

SICP 1115, SUTP 1103**Shut in 7 days tested thru 3/4" choke on 9-11-56**

_____, Driller _____, Driller
_____, Driller _____, Driller

Robert Meise Drilling Engineer

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2387	2387	Surface
2387	2560	173	Ojo Alamo— Sand
2560	3010	450	Kirtland— Shale w/ some sand
3010	3264	254	Fruitland— Interbedded shale, sand & coal
3264	3383	119	Pictured Cliffs— Sand
3383	5034	1651	Lewis— Shale
5034	5113	79	Cliff House— Sand
5113	5457	344	Manefee— Interbedded sand, shale & coal
5457	5649	192	Point Lookout— Sand
5649			Total Depth

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

M. J. J. VAN DER MEULEN ET AL.

...to total depth run tubing and completed well.

STANDARD FORM NO. 64

OIL OR GAS SANDS OF ZONES

~~CONFIDENTIAL~~

of month 6.07 of month 6.07

57-2-78; 5206-17; 5222-32; 5222-68; 5222-76; 5222-78

number. BD 1000, AGE 1350, INHERENT RING A 3000, 6000. IN 63, 100, 1000.

LA MO. IN 57.1 BPM. Port 5464-5571, v 2 0000/11, Time UPL v/0.1003

0097 [UNCL] PUB INT '0061 448-1 0007E 00-1020A HTG 000'06/A TAT 001 001/

~~SECRET~~

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 "matted" or left in the well, give its size and location. If the well has been dynamited, give date, size, 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1969-2

[illegible]