

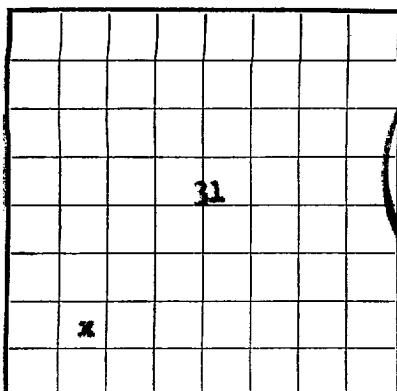
3 - USGS
2 - NMOCC
1 - State Land Office
1 - L. G. Truby
1 - File

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

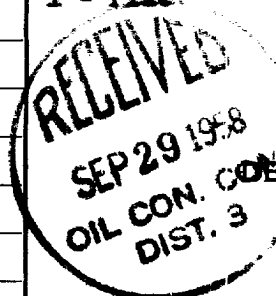
U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER **SF-079732**

LEASE OR PERMIT TO PROSPECT
14-08-001-933



LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **PACIFIC NORTHWEST PIPELINE CORP.** Address **418 1/2 W. 3dwy., Farmington, N.M.**
Lessor or Tract **San Juan 28-4 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **18-31** Sec. **31** T. **28 N.** R. **4 W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **N.** of **3** Line and **990** ft. **E.** of **W** Line of **Section 31** Elevation **7331'**
(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 **Original signed by George H. Pappin**

Date **September 24th, 1958**

Title **Dist. Proration Engineer**

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

Commenced drilling **August 15th,** 19 **58** Finished drilling **August 26th,** 19 **58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **0-5870'** to **0-6530'** 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 **3000'** 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 teeth	Perforated	Purpose
10-3/4	32.75	8rd	Rep.	290.48	Tex. Pat.			
7-5/8	28.10	8rd	Rep.	147.24	Tex. Pat.			
5-1/2	25.50	8rd	Rep.	147.24	Tex. Pat.			
1-1/4	2.4	10rd	Yngster	648.64	TUBING			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	302.48	300	Pump Plug		
7-5/8	4420.24	200	Pump Plug		
5-1/2	6560.00	200	Pump Plug		

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 **6560'** feet, and from _____ feet to _____ feet

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

DATES

August 28th, 19 **58** 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, cu. ft. per 24 hours **5,159,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **400-516 Csg. 1131** **CAOZ 7,584 MCF/D**
EMPLOYEES **Shut in 7 days**

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	3685'	3685'	Surface
3685'	3768'	83'	Ojo Alamo
3768'	3991'	223'	Kirtland
3991'	4190'	199'	Fruitland
4190'	4353'	163'	Pictured Cliffs
4353'	5970'	1617'	Lewis
5970'	6020'	50'	Cliff House
6020'	6330'	310'	Manatee
6330'	6560'	230'	Point Lookout
6560'			Total Depth
6555'			Plug Back Total Depth

FORMATION RECORD—Continued

DATE: 12/15/2001
TIME: 10:00 AM

U. S. LAND OFFICE
SERIAL NUMBER
PLEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL: CORRECTLY

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 _____
Witness _____

Location of _____ ft. _____ of _____ and _____ E. _____ W. _____ of _____ line of _____ Elevation _____ ft. _____

Well No. _____ Sec. _____ T. _____ R. _____ S. _____ Meridian _____

Lessor or Trust _____

Company _____

Address _____

Field Office _____ State _____

County _____

Commenced drilling _____, 19____. Finished drilling _____, 19____. The summary on this page is for the condition of the well at above date.

Date _____
 The State of _____

OIL OR GAS SANDS OR ZONES

6100-04, 6115-16, 6125-29, 6136-41, 6146-50, 6156-61, 6166-68, 6176-
 6180, 6182-30, 6196-98, 6206-99, 6216-20, 6226-29, 6236-30, 6246-58, 6256-59, 6266-60, 6276-61, 6286-62, 6296-63, 6306-64, 6316-65, 6326-30.
 6336-37, 6346-39, 6356-40, 6366-41, 6376-42, 6386-43, 6396-44, 6406-45, 6416-46, 6426-47, 6436-48, 6446-49, 6456-50, 6466-51, 6476-52, 6486-53, 6496-54, 6506-55, 6516-56, 6526-57, 6536-58, 6546-59, 6556-60, 6566-61, 6576-62, 6586-63, 6596-64, 6606-65, 6616-66, 6626-67, 6636-68, 6646-69, 6656-70, 6666-71, 6676-72, 6686-73, 6696-74, 6706-75, 6716-76, 6726-77, 6736-78, 6746-79, 6756-80, 6766-81, 6776-82, 6786-83, 6796-84, 6806-85, 6816-86, 6826-87, 6836-88, 6846-89, 6856-90, 6866-91, 6876-92, 6886-93, 6896-94, 6906-95, 6916-96, 6926-97, 6936-98, 6946-99, 6956-00, 6966-01, 6976-02, 6986-03, 6996-04, 7006-05, 7016-06, 7026-07, 7036-08, 7046-09, 7056-10, 7066-11, 7076-12, 7086-13, 7096-14, 7106-15, 7116-16, 7126-17, 7136-18, 7146-19, 7156-20, 7166-21, 7176-22, 7186-23, 7196-24, 7206-25, 7216-26, 7226-27, 7236-28, 7246-29, 7256-30, 7266-31, 7276-32, 7286-33, 7296-34, 7306-35, 7316-36, 7326-37, 7336-38, 7346-39, 7356-40, 7366-41, 7376-42, 7386-43, 7396-44, 7406-45, 7416-46, 7426-47, 7436-48, 7446-49, 7456-50, 7466-51, 7476-52, 7486-53, 7496-54, 7506-55, 7516-56, 7526-57, 7536-58, 7546-59, 7556-60, 7566-61, 7576-62, 7586-63, 7596-64, 7606-65, 7616-66, 7626-67, 7636-68, 7646-69, 7656-70, 7666-71, 7676-72, 7686-73, 7696-74, 7706-75, 7716-76, 7726-77, 7736-78, 7746-79, 7756-80, 7766-81, 7776-82, 7786-83, 7796-84, 7806-85, 7816-86, 7826-87, 7836-88, 7846-89, 7856-90, 7866-91, 7876-92, 7886-93, 7896-94, 7906-95, 7916-96, 7926-97, 7936-98, 7946-99, 7956-00, 7966-01, 7976-02, 7986-03, 7996-04, 8006-05, 8016-06, 8026-07, 8036-08, 8046-09, 8056-10, 8066-11, 8076-12, 8086-13, 8096-14, 8106-15, 8116-16, 8126-17, 8136-18, 8146-19, 8156-20, 8166-21, 8176-22, 8186-23, 8196-24, 8206-25, 8216-26, 8226-27, 8236-28, 8246-29, 8256-30, 8266-31, 8276-32, 8286-33, 8296-34, 8306-35, 8316-36, 8326-37, 8336-38, 8346-39, 8356-40, 8366-41, 8376-42, 8386-43, 8396-44, 8406-45, 8416-46, 8426-47, 8436-48, 8446-49, 8456-50, 8466-51, 8476-52, 8486-53, 8496-54, 8506-55, 8516-56, 8526-57, 8536-58, 8546-59, 8556-60, 8566-61, 8576-62, 8586-63, 8596-64, 8606-65, 8616-66, 8626-67, 8636-68, 8646-69, 8656-70, 8666-71, 8676-72, 8686-73, 8696-74, 8706-75, 8716-76, 8726-77, 8736-78, 8746-79, 8756-80, 8766-81, 8776-82, 8786-83, 8796-84, 8806-85, 8816-86, 8826-87, 8836-88, 8846-89, 8856-90, 8866-91, 8876-92, 8886-93, 8896-94, 8906-95, 8916-96, 8926-97, 8936-98, 8946-99, 8956-00, 8966-01, 8976-02, 8986-03, 8996-04, 9006-05, 9016-06, 9026-07, 9036-08, 9046-09, 9056-10, 9066-11, 9076-12, 9086-13, 9096-14, 9106-15, 9116-16, 9126-17, 9136-18, 9146-19, 9156-20, 9166-21, 9176-22, 9186-23, 9196-24, 9206-25, 9216-26, 9226-27, 9236-28, 9246-29, 9256-30, 9266-31, 9276-32, 9286-33, 9296-34, 9306-35, 9316-36, 9326-37, 9336-38, 9346-39, 9356-40, 9366-41, 9376-42, 9386-43, 9396-44, 9406-45, 9416-46, 9426-47, 9436-48, 9446-49, 9456-50, 9466-51, 9476-52, 9486-53, 9496-54, 9506-55, 9516-56, 9526-57, 9536-58, 9546-59, 9556-60, 9566-61, 9576-62, 9586-63, 9596-64, 9606-65, 9616-66, 9626-67, 9636-68, 9646-69, 9656-70, 9666-71, 9676-72, 9686-73, 9696-74, 9706-75, 9716-76, 9726-77, 9736-78, 9746-79, 9756-80, 9766-81, 9776-82, 9786-83, 9796-84, 9806-85, 9816-86, 9826-87, 9836-88, 9846-89, 9856-90, 9866-91, 9876-92, 9886-93, 9896-94, 9906-95, 9916-96, 9926-97, 9936-98, 9946-99, 9956-00, 9966-01, 9976-02, 9986-03, 9996-04, 10006-05, 10016-06, 10026-07, 10036-08, 10046-09, 10056-10, 10066-11, 10076-12, 10086-13, 10096-14, 10106-15, 10116-16, 10126-17, 10136-18, 10146-19, 10156-20, 10166-21, 10176-22, 10186-23, 10196-24, 10206-25, 10216-26, 10226-27, 10236-28, 10246-29, 10256-30, 10266-31, 10276-32, 10286-33, 10296-34, 10306-35, 10316-36, 10326-37, 10336-38, 10346-39, 10356-40, 10366-41, 10376-42, 10386-43, 10396-44, 10406-45, 10416-46, 10426-47, 10436-48, 10446-49, 10456-50, 10466-51, 10476-52, 10486-53, 10496-54, 10506-55, 10516-56, 10526-57, 10536-58, 10546-59, 10556-60, 10566-61,

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 in any casing was sidetracked, 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 pipes 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

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

KHAM | 0.00