

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 42-R355.5.

(See other in-
structions on
reverse side)

LEASE DESIGNATION AND SERIAL NO.

079333

6. INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR

P.O. Box 90, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1450 FSL & 1520 FWL NW/SW

At top prod. interval reported below 1450 FSL & 1520 FWL NW/SW

At total depth 1450 FSL & 1520 FWL NW/SW

14. PERMIT NO.

DATE ISSUED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rucker Lake

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

Gavilan Gallup Extension

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 24, T25N, R2W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

15. DATE SPUDDED

7-12-83

16. DATE T.D. REACHED

8-12-83

17. DATE COMPL. (Ready to prod.)

8-25-83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

7396' KB

19. ELEV. CASINGHEAD

7382' GR

20. TOTAL DEPTH, MD & TVD

8750' 8975'

21. PLUG, BACK T.D., MD & TVD

7650'

22. IF MULTIPLE COMPL., HOW MANY*

Single

23. INTERVALS DRILLED BY

0'-8750'

ROTARY TOOLS

CABLE TOOLS

NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Gallup - 6825-7484'

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES/SP/GR CDL/CNL/GR Sonic/GR GR/CBL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
SEE ATTACHMENT FOR CEMENT AND CASING RECORD					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7196'	

31. PERFORATION RECORD (Interval, size and number)

6825', 6830', 6836', 6862', 6872', 6893', 6898',
6938', 6970', 6976', 6982', 6988', 7004', 7016',
7022', 7026', 7030', 7078', 7111', 7129', 7164',
7193', 7238', 7387', 7465', 7476', 7484',

Total 27 .37" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) 6825'-7484'
AMOUNT AND KIND OF MATERIAL USED
SWF w/ 2485 bbls fluid followed by 100,000# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION 8-25-83 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
8-26-83	24 hrs			193	230 est	220	1200 est
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
425#	425#		193	230 est	220	39°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented waiting on pipeline connection to be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Cementing and Casing record

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Paul C. Thompson

TITLE

Sr. Drilling Engineer

SEP 29 1983

*(See Instructions and Spaces for Additional Data on Reverse Side) FARMINGTON RESOURCE AREA

djb/

BY SM

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Ojo Alamo	3132' est	3294'		Ojo Alamo	3132'		Same
Kirtland-	3294' est	3418'		Kirtland-	3294'		Same
Fruitland				Fruitland			
Pictured Cliffs	3418' est	3492'		Pictured Cliffs	3418'		Same
Lewis	3492' est	5130'		Lewis	3492'		Same
Cliff House	5130' est	5253'		Cliff House	5130'		Same
Menefee	5253' est	5560'		Menefee	5253'		Same
Point Lookout	5560' est	5878'		Point Lookout	5560'		Same
Mancos	5878' est	6694'		Mancos	5878'		Same
Gallup	6694' EL	7685'		Gallup	6694'		Same
Greenhorn	7685' EL	7762'		Greenhorn	7685'		Same
Graneros	7762' EL	7873'		Graneros	7762'		Same
Dakota	7873' EL	8100'		Dakota	7873'		Same
Morrison	8100' EL	8750'		Morrison	8100'		Same
Total Depth	8750'			Total Depth	8750'		Same
	8995						

38. GEOLOGIC MARKERS

Cementing and Casing Record for
Rucker Lake #2

Hole Size 13-3/4"

9-5/8", 36#, csg & set at 522' KB.
Cmt'd w/ 450 sx (536 cu.ft) C1 "B" w/ 1/4# gel flake/sk & 3% CaCl₂. Circ
out 15 bbls cmt.

Spotted 120 sx (142 cu.ft) to plug from 8950' to 8750'.

Hole Size 8-3/4"

4-1/2", 11.6# & 10.5#. csg & set at 8155'
1st Stage - Cmt'd w/ 600 sx (864 cu.ft) 50/50 poz w/ 2% gel & 7# salt/sk
& 6-1/4# fine gils/sk.
2nd Stage - Cmt'd w/ 625 sx (1538 cu.ft) 65/35 poz w/ 12% gel & 12-1/2#
fine gils/sk.

Paul C. Thompson Sr. Drlg Engineer
Paul C. Thompson Title

September 9, 1983
Date

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