

In Lieu of
For: 3160-5
(Jun: 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

5. Lease Designation and Serial No.

~~8920009460~~ NM-03189

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

COX CANYON #5

9. API Well No.

30-045-11326

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

11. County or Parish, State

SAN JUAN COUNTY, NM.

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
NORTHWEST PIPELINE CORP.

3. Address and Telephone No.
P. O. BOX 58900 MS 10317 SALT LAKE CITY, UTAH 84158-0900 (801)584-6981

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1800 FSL & 1720' FWL SEC. 21, T-32N, R11W

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

08/25/94 TO 09/08/94

MOL and RU. Blew well down and killed tbg. NDWH. NU BOP. Unseat donut. TOH with tbg (193 jts). RIH with GR and GSL from 5900' to 4800'. RIH with tbg, bit and csg scraper. Came out laying down.

Tally tbg, pick up and RIH with tbg and RBP. Set plug @ 5843'. TIH with 5" pkr. PT csg to 2000#, held OK. PT well head to 900#, broke back. TOH with pkr and tbg. ND BOP and csg spool. Sent spool in for repairs. RIH with CBL and log from 5843' to 4800'. Cement top @ 5190'.

CONTINUED ON PAGE 2

RECEIVED
SEP 26 1994

OIL CON. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Kathy Barney^{SGK}

Title SR. OFFICE ASSISTANT

Date 09/12/94

(This space for Federal or State office use)

Approved by _____

Title _____ Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 21 1994

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side.

NMOOD

Installed csg spool. NU BOP. RIH with tbg open ended to 5821'. Loaded hole and PT csg to 2500#, held OK.

Kill hole with 1% KCL. Spot 500 gals of 7-1/2% HCL at 5821'. TOH with tbg. Perforated @ 5519', 5523', 5529', 5538', 5556', 5559', 5563', 5566', 5570', 5573', 5593', 5603', 5609', 5617', 5648', 5651', 5680', 5719', 5726', 5732', 5769', 5775', 5792', 5815', 5818', 5821' a total of 26 .32 holes. Acidized with 30 BBLs 15% HCL and 38 (1.3 SG) ball sealers, good ball action. RIH with junk basket. Recovered 38 balls with 26 hits. Stimulated well with 2616 BBLs slick water with 1% KCL and 104,300# 20/40 Brady sand. AIR = 52 BPM, ATP = 1850, MIR = 56 BPM, MTP = 2100#. RIH with 2-3/8" tbg and RBP. Set plug @ 5504'. RIH with dump bailer. Dumped 6' sand on plug. PT to 2500#, held OK. TOH with tbg and retrieving head. Perforated 3 squeeze hole at 5070'. RIH with 2-3/8" tbg and 5" pkr. Set pkr @ 4868'. Loaded back side with 50 BBLs and PT to 550#, held OK. Ran 5 BBLs clean water ahead. Pump 100 sx class "B" with 2% CaCl₂. Max squeeze = 1000#. Displaced to 5010'.

Released pkr and TOH. RIH with tbg, 4-1/2" bit and 5" csg scraper. Tagged cmt @ 5086'. Rig up swivel. Broke circulation and drilled squeeze. Circulate clean. RIH to 5495'. TOH with tbg, bit and scraper. RIH with CBL. Ran log from 5300' to 4800'. Top of cement @ 5114'. TIH with tbg open ended to 5478'.

Roll hole with 1% KCL and spot 400 gals of 7-1/2% HCL. TOH with tbg. Perforated with .32" holes as follows: 5135', 5154', 5170', 5241', 5245', 5253', 5311', 5320', 5331', 5338', 5342', 5352', 5371', 5385', 5393', 5406', 5410', 5414', 5418', 5422', 5429', 5437', 5441', 5445', 5452', 5456', 5460', 5464', 5468', 5472', 5478'. Broke down @ 1800 PSI and balled off with 1870 gal of 15% HCL and 51 1.3 KCN ball sealers. Acid away at 25 BPM. Good ball action. RIH with junk basket. Recovered 51 ball with 29 hits. Frac well with 117,138 gals slick water with FR-30 and 139,700# of 20/40 Brady sand. Well treated at avg rate of 40-60 BPM @ 1800 PSI. Max rate = 64.6 BPM and Max PSI = 2850 PSI. ISIP = 0.

RIH and tagged sand @ 5110'. Cleaned out sand to 5500' with N₂. Flowing well with compressor from 5120'.

RIH to 5500' (RBP). Clean off sand (17'). Blew well from RBP. Pull up to 5100'. RIH and tagged RBP, no sand. TOH with tbg. Pitot reading 9# on 1" - dry gas. TIH with tbg and retrieving head to 5100'. Pitot reading 17# on 1" 466 - 649 MCF/D.

Csg and tbg = 850#. Open well to blow pit. Ran a sweep and tagged up on sand (17") on RBP. CO same, latched on to RBP. TOH.

RIH with tbg and RBP. Set plug @ 1783'. Loaded hole and PT to 2000#. TOH with tbg and retrieving head. ND BOP and tbg spool. Replace spool with new one. NU BOP. RIH with tbg and retrieving head, released RBP and TOH.

RIH and tagged 60' of sand. Cleaned out with compressor. Let flow, well making sand and water. Flowed till clean. TOH with tbg. TIH with tbg and retrieving head to 5100'.

Had 16' of fill. Unload hole and clean off sand. Latched onto RBP, release same. TOH. RIH with tbg with notched collar on bottom and 1.78 ID SN 1 jt up. Landed tbg @ 5978' 194 jts, 2-3/8", J-55, EUE, 8rd yellow band. ND BOP. NUWH. Blow with compressor 2.5 hours. Rig down and clean location. Release rig @ 1600 hours 9-8-94.