

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

P O BOX 2088
SANTA FE, NEW MEXICO 87508-2088

Submit 3 copies to
Appropriate District Office

DISTRICT 1
POBox 1980, Hobbs, NM 88240
DISTRICT 2
PODrawer DD, Artesia, NM 88210
DISTRICT 3
1000 Rio Brazos Rd., Aztec, NM 87410

RECEIVED
DEC 30 1994

OIL CON. DIV.
DIST. 3

WELL API NO.
30-045-11397

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. E-3091

7. Lease Name or Unit Agreement Name

Cox Canyon Unit
892009460

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO
DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE
"APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS)

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator NORTHWEST PIPELINE CORP.

3. Address of Operator PO BOX 58900 SLC, UTAH 84158-0900

8. Well No. #1

9. Pool Name or Wildcat BLANCO MESAVERDE

4. Well Location

Unit Letter N : 835 Feet From The SOUTH Line and 1980 Feet From The WEST Line

Section 16 Township 32N Range 11W NMPM SAN JUAN COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6972' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING ☐
OPINIONS ☐
CASING TEST AND CEMENT
JOB ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐
OTHER COMPLETION ☒
OPERATIONS

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-22-94

Move on location and rig up. Nipple up tubing head and pressure test seal to 3000#. Nipple up BOPs and rig up floor.

Continued on Page 2

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Susan Griguin TITLE PRODUCTION CLERK DATE December 21, 1994

TYPE OR PRINT NAME SUSAN GRIGUHN TELEPHONE NO. (801)584-6879

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3

DEC 30 1994
DATE

CONDITIONS OF APPROVAL, IF ANY:

Cox Canyon Unit #1

11-23-94

Pick up 3-7/8" bit and TIH. Tagged cement at 4408'. Picked up swivel and drilled cement stringers to DV tool at 4464'. Drilled DV tool. TIH to 6160'. Cleaned out from 6160' to PBTD at 6264'. Circulated hole clean.

11-28-94

TOH. Ran Gas Spectrum log from PBTD at 6264' to 4600'. Ran gauge ring and junk basket to 6264'. Ran CBL from 4800' to 1600'. Cement top at 1850'. Good bond from 4800' to 1850'. Ran small CBL tool from 6264' to 4700'. Good bond from 6264' to 5700'. Poor bond (about 50%) from 5700' to 4800'. Pressure test casing and BOPs to 2000# - held OK.

11-29-94

Hook up manifold and nipple up stripping head. Pressure test casing and BOPs to 3800# - held OK. TIH to 6263' and spot 500 gal of 7-1/2% HCl. TOH. Perforated Point Lookout at 5894', 5898', 5902', 5906', 5911', 5914', 5919', 5935', 5939', 5946', 5950', 5954', 5958', 5962', 5966', 5970', 5983', 5985', 5991', 5999', 6005', 6020', 6025', 6030', 6035', 6040', 6045', 6061', 6085', 6103', 6110', 6121', 6139', 6145', 6157', 6163', 6180', 6197', 6204', 6228', 6233', 6238', 6243', 6251', and 6263'. Total of 45 (0.36") holes. Well on a vacuum. Western established a rate of 30 BPM at 1380#. ISIP = 0#. Dropped 90 balls in 1000 gal of 7-1/2% HCl. Good ball action and balled off to 4400#. Recovered 90 balls with 45 hits. Fraced well with a 21,000 gal pad of slick water, followed by 73,800# of 20/40 sand at 1 - 1.5 ppg. Job completed at 1845 hrs 11/28/94. ISIP = 0#. ATP = 3600#, AIR = 73 BPM, MTP = 3790#, MIR = 75.5 BPM. Total fluid = 2110 bbls.

11-30-94

Blue Jet set CIBP at 5880'. Pressure tested casing and plug to 3800# - held OK. Perforated two squeeze holes at 5601' and two more holes at 4830'. TIH with tension packer and set between perms at 4891'. Attempted to establish circulation through perms. Pumped 100 bbls with no returns. Well on vacuum at 2 BPM, 800# at 3 BPM, and 1700# at 4 BPM. Attempted to reverse circulate. Pumped 60 bbls at 800# and 3 BPM with no returns. TOH with packer.

12-01-94

Finish TIH and set retainer at 5526'. Established injection rate of 3 BPM at 800#. Pumped 85 sx (100 cu.ft.) of Cl "B" with 2% CaCl₂. Displaced with 13.1 bbls of water at 2.3 BPM before catching pressure. Slowed rate to 1.4 BPM at 400# at end of displacement. Stung out of retainer and TOH. Pick up cement retainer and TIH to 4765'. Established an injection rate of 1.7 BPM at 400#. Pumped 75 sx (89 cu.ft.) of Cl "B" with 2% CaCl₂ on a vacuum. Displaced with 8.5 bbls water at 2 BPM. Pumping at 1.5 BPM at end of displacement. Stung out of retainer and reversed out 2 bbls of cement. TOH.

12-02-94

TIH with 3-7/8" bit. Drill cement retainer at 4765' and cement from 4765' to 4830'. Drill cement stringers from 5340' to 5526'. Drilled cement retainer at 5526' and cement from 5526' to 5560'.

12-03-94

Drilled cement from 5560' to 5601'. TIH and clean out from 5860' to CIBP at 5880'. TOH. Run CBL from 5878' to 4700'. CBL shows squeeze #1 went from 5646' to 5245' with good bond and squeeze #2 went from 4980' to 4804'. TIH to 5864'. Pressure test casing to 1500# - held OK.

12-04-94

Spotted 400 gal of 7-1/2% HCl at 5864'. TOH. Perforated Menefee at 5601', 5617', 5623', 5625', 5640', 5663', 5672', 5677', 5684', 5696', 5699', 5702', 5719', 5730', 5762', 5771', 5773', 5775', 5793', 5795', 5802', 5806', 5810', 5814', 5818', 5825', 5848', 5852', 5856', 5860', and 5864'. Total of 31 (0.36" dia.) holes. Western established a rate of 37.5 BPM at 2050#. ISIP = 0#. Dropped 60 balls in 1100 gal of 7-1/2% HCl. Good ball action and breaks but did not ball off. Recovered 60 balls with 29 hits. Stimulated Menefee with an 18,900 gal pad of slick water, followed by 85,000# of 20/40 sand at 1 - 2 ppg. Job completed at 1430 hrs 12/3/94. ISIP = 150#, 1 min. = 0#. ATP = 2800#, AIR = 62 BPM, MTP = 3160#, MIR = 65.5 BPM. Total fluid = 2036 bbls. Set RBP at 5590'. Pressure tested RBP and casing to 1500# - held OK. Perforated two squeeze holes at 5050'.

12-06-94

TIH and set packer at 5150'. Pressure test RBP to 3800# - held OK. POH to 4765' and set packer. Squeezed with 50 sx (59 cu.ft.) of Cl "B" cement with 2% CaCl₂. Shut well in and WOC. Release packer and TOH. Pick up 3-7/8" bit and TIH.

12-07-94

Tagged cement at 4825'. Circulated hole clean and pressure tested to 500# - held OK. TIH to 5585' to check for fill. TOH.

12-08-94

Ran CBL from 5555' to 4750'. Squeeze went from 5092' to 5000'. TIH to 5579'. Spotted 250 gal of 7-1/2% HCl at 5579'. TOH. Perforated at 5531', 5537', 5544', 5549', 5554', 5559', 5564', 5569', 5574', and 5579'. Total of 10 (0.36") holes. Western established injection rate of 25 BPM at 2500#. ISIP = 0#.

12-09-94

Perforate Cliffhouse at 4811', 5080', 5198', 5202', 5206', 5227', 5247', 5253', 5292', 5299', 5303', 5315', 5336', 5350', 5413', 5428', 5441', 5444', 5450', 5493', 5502', 5506', 5512', and 5523' (24 .36" holes). Cliff House perforated with a total of 34 holes from 4811' to 5579'. Dropped 75 balls in 1500 gal of 7-1/2% HCl. Good ball action and balled off to 3800#. Recovered 75 balls with 37 hits. Stimulated Cliff House with a 35,700 gal pad of slick water, followed by 110,000# of 20/40 sand at 1 - 2.1 ppg. ISIP = 150#, 30 sec.= 0#. ATP = 3300#, AIR = 70 BPM, MTP = 3660#, MIR = 75.8 BPM. Total fluid = 2735 bbls.

12-10-94

Unload well with compressor.

12-11-94

Unload well.

12-12-94

Continued blowing well with gas compressor.

12-13-94

Pitot gauge Cliffhouse. 15 and 30 min. = 1065 MCFD, 45 min. = 869 MCFD, 60 min. = 752 MCFD. Clean out to RBP at 5590'. Release RBP and TOH. Pick up 3-7/8 bit and TIH to 5780' unloading hole.

12-14-94

POH to 5536 and pitot test well. 15 min. = 1065 MCFD, 30 min. = 1150 MCFD, 45 and 60 min. = 869 MCFD. Cleaned out to 5880' and started drilling CIBP. Gas blow stronger. POH to 5260' and start compressor.

12-15-94

Pitot gauge well. 30 min. = 1626 MCFD with heavy mist, 60 min. = 1464 MCFD with heavy mist. Cleaned out sand to 6255'.

12-16-94

Pitot gauge well. 15 min. = 1520 MCFD with heavy mist, 30, 45, and 60 min. = 1374 MCFD with heavy mist. Clean out sand to CIBP at 6263'.

12-17-94

Pitot gauge well. 15 min. = 1756 MCFD (heavy mist), 30 min. = 1236 MCFD (light mist), 45min. = 1107 MCFD (heavy mist), and 60 min. = 1374 MCFD (heavy mist). Cleaned out sand to 6264'. TOH laying down 156 jts. of tubing. Finish TOH with 22 stands. TIH with production tubing. Ran 201 jts. (6231.94') of 2-3/8", 4.7#, J-55 EUE tubing with notched collar on bottom and 1.78" ID seating nipple one joint off bottom and landed at 6241'KB. Seating nipple at 6208'KB.

12-18-94

Nipple down BOPs and nipple up wellhead. Blow tubing to pit to unload and clean up.

12-20-94

Rig down and road rig to town. Rig released at 1200 hrs 12/19/94.