

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

WELL API NO.
30-045-27750

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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)

7. Lease Name or Unit Agreement Name
NME3094, E3387, E3091, E3093

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

2. Name of Operator NORTHWEST PIPELINE CORP.

8. Well No. COX CANYON UNIT #201

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

9. Pool Name or Wildcat BASIN FRUITLAND COAL

4. Well Location

Unit Letter B : 1110 Feet From The NORTH Line and 1292 Feet From The EAST Line

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

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6578' GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

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

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐
OTHER ☐

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.

Estimated start date: 08/15/94.

SEE ATTACHED PROCEDURE FOR DETAILS

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

SIGNATURE Kathy Barney TITLE SR. OFFICE ASSISTANT DATE June 20, 1994

TYPE OR PRINT NAME KATHY BARNEY TELEPHONE NO. (801)584-6981

(This space for State Use)

APPROVED BY Charles Sholom TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE JUN 23 1994

CONDITIONS OF APPROVAL, IF ANY:

6-15-94

RECOMPLETION PROCEDURE
Cox Canyon Unit #201

1. Notify COGCC and BLM 24 hours prior to work.
2. Set blow tank and dig pit if needed. Check and install rig anchors as needed.
3. MIRUSU.
4. Kill tubing with water if necessary. ND wellhead and NU BOP.
Check and repair wellhead seals if needed.
5. RIH and tag TD. TOH with 2-3/8" tubing and visually inspect. Replace any bad joints.
6. TIH with bit and tubing and cleanout to TD. Circulate with gas and surge with water until clean. TOH.
7. On wireline run logs across open hole section; GR-Caliper-Induction.
8. TIH with packer on tubing to 7" shoe and pressure test casing to 3700 psi. TOH.
9. STIMULATION
Rig up pump trucks and fracture stimulate the open hole Fruitland Coal with 150,000# 12/20 Brady sand in 70Q N2 foam at 80-100 BPM total rate down casing in one stage as follows;

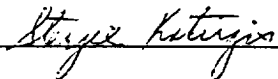
<u>STAGE</u>	<u>FLUID</u>	<u>SAND</u>
Pad	14,500 gals foam	
1.0 ppg	15,000 gals foam	15,000#
2.0 ppg	15,000 gals foam	30,000#
3.0 ppg	12,000 gals foam	36,000#
4.0 ppg	8,500 gals foam	34,000#
5.0 ppg	7,000 gals foam	35,000#
FLUSH	4,940 gals foam	
	<u>76,940 gals foam</u>	<u>150,000# 12/20 Brady sd</u>

Estimated max. water rate=30 BPM. Estimated max. N2 rate=73,392 SCFM.
Estimated STP=2900 psi.
Maximum treating pressure = 3700 psi.
2 tanks required for frac job.

All frac fluid to contain 2% KCl, 30#/1000 gals gel, Borate cross linker, and required amounts of gel breaker (2 hour break), foaming agent and bacteriacide.

DO NOT OVERFLUSH.

10. SI enough time for gel to break. Flow well back initially through 1/4" choke. as long as producing sand. If logged TIH w/ tubing, and notched collar and cleanout w/ gas to TD. Obtain pitot tube gauge when clean. TOH.
11. TOH when well has cleaned up.
12. Pick up 4-1/2", 10.5, J-55, sm's casing and liner hanger. TIH and set liner hanger $\pm 100'$ above 7" shoe at 2894'. Land liner at PBTD of 3257'.
13. Run GR CCL log to correlate. Perforate the following intervals, based on mud logs, with 2 JSPF and .50" diameter holes:
 - 3020'-3040'
 - 3058'-3071'
 - 3105'-3172'
 - 3215'-3255'
12. TIH w/ 2-3/8", J-55, 4.7#, 8rd, EUE tubing w/ notched collar on bottom and SN 1 joint up. Clean out to TD'. Land tubing at $\pm 3150'$. Pump out plug if used and reverse circulate clean. Obtain pitot tube gauge.
13. ND BOP and NU wellhead. Shut well in for buildup.
14. Cleanup location and release rig. Fill in pit .
15. Return well to production.



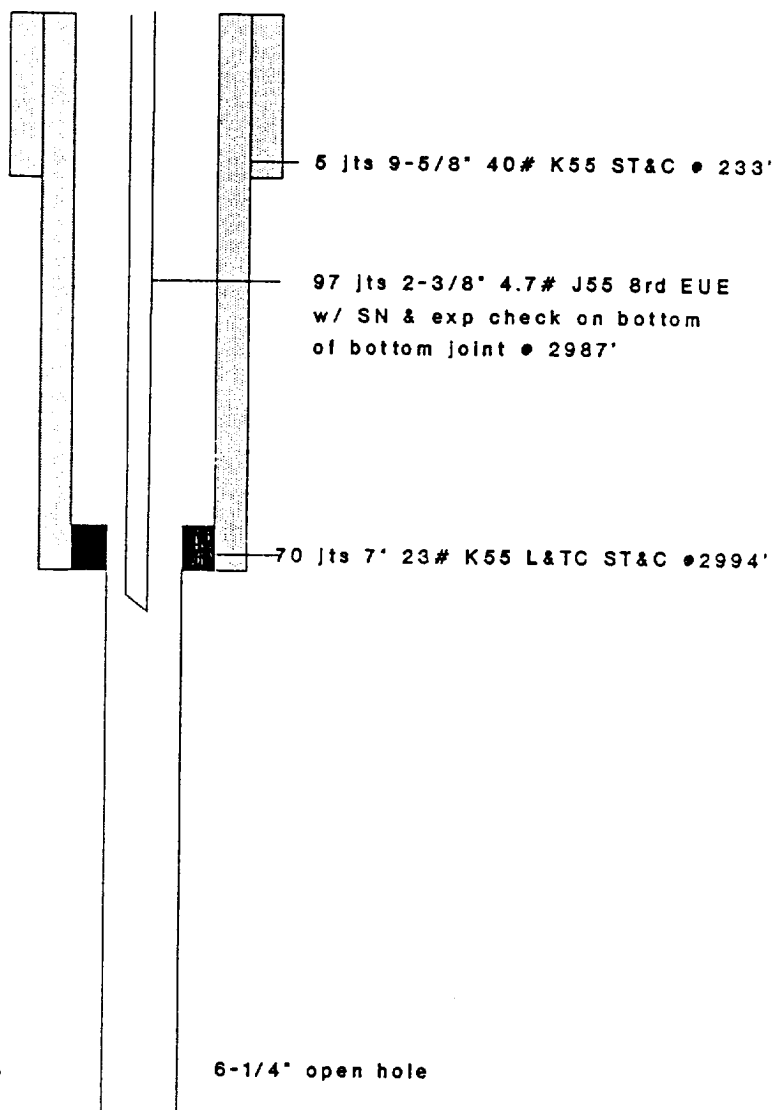
Stergie Katirgis
Sr. Engineer

LOCATION: NE/4 Sec.16-32N-11W

Date Drilled: 8/12/90

Existing Wellbore Diagram Cox Canyon #201 FRT

TOPS:
OJO ALAMO 2047'
KIRTLAND 2207'
FRUITLAND
 upper 3018'
 lower 3252'
PICTURED CLIFFS 3261'



FRAC DATA:
FRT w/ 40,000 gals pad &
110,000# 40/20 sand & 12/20 sand
in slick water

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8"	122 sx	143 cu. ft.	surface
8-3/4"	7"	415 sx	797 cu. ft.	surface
6-1/4"				

PERTINENT DATA SHEET

WELLNAME: Cox Canyon Unit #201

FIELD: Basin Fruitland Coal

LOCATION: 1110'FNL,1292'FEL,Section 16, T32N,R11W

ELEVATION: 6578' GL ID: 3257'
6590 'KB PBTD: 3257'

COUNTY: San Juan

STATE: Mew Mexico

DATE ID'd: 9-5-90

CASING TYPE	CASING SIZE	HOLE SIZE	WEIGHT & GRADE	DEPTH	CEMENT	TOP
Surface	9-5/8"	12-1/4"	40#,K-55 ST&C	233'	122 sx(143 ft3)	Surface
Intermediate	7"	8-3/4"	23#,K-55 ST&C	2994'	340 sx(708 ft3) & 75 sx (89 ft3)	surface

TUBING:

2975', 97 jts 2-3/8", 4.7#, J-55, 8rd, EUE @ 2987'. 7' shoe on botton @ 2994'.

WELLHEAD:

Casing Head - OCT 11" 3000

Tubing Head - 11" 3000 X 7-1/16 3000

Bonnet -

FORMATION TOPS:

Ojo Alamo	2047
Kirtland	2207
Fruitland	
Pictured Cliff	3261

LOGGING RECORD:

PERFORATIONS & COMPLETION:

Surged and blew for 3 days.

Fraced with 110,000# in slick water.

PRODUCTION HISTORY:

Produces fairly dry. Cumulative = 17 MMCF. Average current
production = 16 MCFD. Initial production = 40 MCFD.