

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

WELL API NO.

30-039-20432

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E 290-3

7. Lease Name or Unit Agreement Name
SAN JUAN 28-7

8. Well No.
129

9. Pool name or Wildcat
BASIN DAKOTA

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
CONOCO, INC.

3. Address of Operator

P.O. BOX 2197 HOUSTON, TX 77252

4. Well Location

Unit Letter G : 1678' Feet From The NORTH Line and 1670' Feet From The EAST Line

Section 2 Township 27N Range 7W NMPM RIO ARRIBA County

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

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☒

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDON ☐

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

12. Describe Proposed or Completed Operations
(work) SEE RULE 1103.

(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed

CONOCO, Inc. has approval to DHC and recompleting this well in the Dakota and Mesaverde. While performing the recompletion work it was discovered that the casing had a leak @ 4400'. Attached is a new procedure for the work that is being performed.



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

SIGNATURE

Deborah Marberry

TITLE

REGULATORY ANALYST

DATE 05/26/2000

TYPE OR PRINT NAME DEBORAH MARBERRY

TELEPHONE NO. (281)293-1005

(This space for State Use)

ORIGINAL SIGNED BY CHARLIE T. PERPIN

DEPUTY OIL & GAS INSPECTOR, DIST. #1

MAY 30 2000

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

✓

San Juan 28-7 Unit, Well #129
Recomplete to Mesaverde (3 stage)
& DHC with Dakota
Post Casing Leak, May 24, 2000

AFE # 2580 DHC# _____

API# 300392043200

Location: T-27N, R-7W, Sec-2, 1678'N, 1670'E.

Procedure

- 1) Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY!
 - 2) Kill tubing and POOH standing back.
 - 3) Set composite BP @ approx. 5600', fill hole w/ fluid, test casing and plug to 3,000 psi . Run CBL / GR from 5600' up to 4400', determine TOC 2nd stage and bottom of 3rd stage or highest free pipe above 4500'.
 - 4) Perforate the Point Lookout formation for 1st stage @ 5563', 59, 55, 51, 28, 24, 20, 02, 5498, 94, 90, 86, 82, 78, 74, 70, 66, 62, 58, 54, 50, 46, 42 (85' of pay) 23 perf points with two holes per point, 46 total holes.
 - 5) Pump 500 gal. Acid, ball off to break down perfs. RIH w/ gauge ring and junk basket, knock off balls POOH, count hits.
 - 6) Rig up stimulation company and perform 1st stage frac as per stimulation company procedure.
 - 7) Rig up wireline, set composite BP @ 5400'. Dump two sacks of sand on top of plug. Pressure test plug to 3000#.
 - 8) Perforate 3 SPF at 5190 and 5015'.
 - 9) RIH with 2.375" string and cement retainer, set retainer at 5170', establish circulation with 1% KCl water, pump suicide cement squeeze as per BJ recommendation.
 - a. 20 bbls fresh water
 - b. 30 sx of Premium Lite High Strength Cement Containing 3% bwoc Potassium Chloride + 1% bwoc Calcium Chloride + 113.1% water bwoc (11.8 gals per sx). This system weighs 12.5 ppg and yields 2.19 cub ft/sx.
 - c. Displace cement to retainer with 20 bbls. (can use 1% KCL to displace)
 - 10) Unsting from retainer, circulate clean, POOH string standing back. WOC at least 3 hours. Note: It may be difficult to reverse the hole clean given the casing leak at 4400', so pull tubing to above the upper suicide holes and/or volume of 4 1/2" casing greater than the volume of cement left in the tubing prior to trying to reverse circulate the tubing clean.
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- 11) Pick up packer and run in hole to 4800'. After 4 hours of waiting on cement, set packer and pressure test top squeeze holes to 3000 psi. It is anticipated that we will be able to pump into the upper squeeze perfs. If able to establish injection, squeeze top perfs as per BJ recommendation (30 sx of slurry as described above). Displace at least 2 barrels below the packer. Release packer, reverse tubing clean and POOH. WOC over night. Note: It may be difficult to reverse circulate with the casing leak open above the packer at 4400', so pull tubing to above the volume of 4 ½" casing greater than the volume of cement left in the tubing prior to trying to reverse circulate the tubing clean.
 - 12) Perforate 3 SPF at 4860'.
 - 13) RIH with 2.375" string and cement retainer, set retainer at 4840', establish circulation with 1% KCl water, pump suicide cement squeeze as per BJ recommendation.
 - a. 20 bbls fresh water
 - b. 85 sx of Premium Lite High Strength Cement Containing 3% bwow Potassium Chloride + 1% bwoc Calcium Chloride + 113.1% water bwoc (11.8 gals per sx). This system weighs 12.5 ppg and yields 2.19 cub ft/sx. (est. volume pending BJ procedure)
 - c. Displace cement to retainer with 18 bbls. (can use 1% KCL to displace)
 - 14) Unsting from retainer, circulate clean, POOH string standing back. WOC at least 3 hours. Note: It may be difficult to reverse the hole clean given the casing leak at 4400', so pull tubing to above the casing leak at 4400' and/or volume of 4 ½" casing greater than the volume of cement left in the tubing prior to trying to reverse circulate the tubing clean.
 - 15) Pick up packer and run in hole to 4200'. After 4 hours of waiting on cement, set packer and pressure test top squeeze holes to 3000 psi. It is anticipated that we will be able to pump into the casing leak. If able to establish injection, squeeze top perfs as per BJ recommendation (30 sx of slurry as described above). Displace at least 2 barrels below the packer. Release packer, reverse tubing clean and POOH. WOC over night.
 - 16) RIH with 3.875" bit, 6 drill collars on 2.375" string and drill out to just above the composite plug that is over the Point Lookout, pressure test casing to 3,000 psi. If it does not hold, additional squeezing will be necessary. Contact Houston for a revised procedure. If the casing tests, continue to drill out plug over the Point Lookout and clean out through the Point Lookout perforations (do not drill out the plug over the Dakota). POOH
 - 17) RIH with tubing. Production test the Point Lookout zone to determine if it was adequately fracture stimulated. Catch a gas sample for analysis. Rig down if a lengthy test is necessary
 - 18) Rig up pulling unit.
 - 19) Kill if necessary. POOH with tubing.
 - 20) If Point Lookout re-frac is necessary, contact Houston for a revised procedure. If it is unnecessary continue with step 21.
 - 21) RIH with composite bridge plug and set at 5400'. Dump two sacks of sand on top of plug and pressure test plug to 3000 psi.
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- 22) RIH and perforate Menefee formation for 2nd Stage @, 5350, 46, 42, 5298, 94, 5284, 80, 76, 5228, 5197, 93, 89, 85, 67, 63, 59, 55, 51, 47, 43, 39, 12, 08, 5097, 93, 60, 56, 52, (109' of pay) 28 perf points with two holes per point, 56 total holes.
- 23) RIH with treating packer on 2.375" string, set packer @ 4950' and pump 500 gal. Acid, ball off to break down perms. Unseat packer, RIH w/ packer and junk basket, knock off balls POOH, count hits. Watch for backside pressure during breakdown.
- 24) Rig up stimulation company and perform 2nd stage frac as per stimulation company procedure.
- 25) Rig up wireline set composite BP @ 5000'. Pressure test plug to 3000#.
- 26) RIH and perforate Cliffhouse for 3rd Stage @ 4978, 74, 60, 56, 52, 38, 34, 30, 26, 05, 01, 4897, 93, 89, 85 (64' of pay) 15 perf points with two holes per point, 30 total holes.
- 27) RIH with treating packer on 2.375" string, set packer @ 4870' and pump 500 gal. Acid, ball off to break down perms. Unseat packer, RIH w/ packer and junk basket, knock off balls POOH, count hits. Watch for backside pressure during breakdown.
- 28) Rig up stimulation company and perform 3rd stage frac as per stimulation company procedure.
- 29) Flow back immediately, RIH tubing and clean out and unload if necessary, clean up over night. Obtain 2 hour stabilized flow test on Cliffhouse. Catch gas sample for analysis. POOH
- 30) RIH w/ 3.875" bit and drill collars, drill out BP @ 5000', clean out through Menefee perms (below 5350') and POOH.
- 31) RIH w/ tubing and packer and set at 5000', unload if necessary, clean up over night. Obtain 2 hour stabilized flow test on Menefee. Catch gas sample for analysis. POOH
- 32) RIH w/ 3.875" bit and drill collars, drill out BP @ 5400', clean out through Point Lookout perms (below 5563') and POOH if the Point Lookout was re-fraced. If it was not re-fraced, continue on to step 34.
- 33) RIH w/ tubing and packer and set at 5400', unload if necessary, clean up over night. Obtain 2 hour stabilized flow test on Point Lookout. POOH
- 34) RIH w/ 3.875" bit and drill collars, drill out BP @ 5600' and clean out to PBTD @ 7717'. POOH bit and collars.
- 35) RIH and land tubing @ 7600', notify operator to put on DHC plunger lifted production.

San Juan East Team (PWB)

Cc: **Central Records well file**, and 3 Copies to Farmington (Linda Hernandez, FPS, and Project Lead).