

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 20071a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvt.

Other \_\_\_\_\_

2. Name of Operator

CONOCOPHILLIPS COMPANY

3. Address

5525 HIGHWAY 64 FARMINGTON NM 87401

3.a Phone No. (Include area code)

(505)599-3419

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At Surface 1125 SOUTH 1746 WEST SESW SEC 7 T32N R7W

At top prod. interval reported below

At total depth

14. Date Spudded

10/07/2005

15. Date T.D. Reached

10/11/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.  
12/12/200518. Total Depth: MD 3400  
TVD 340019. Plug Back T.D.: MD 3356  
TVD 335620. Depth Bridge Plug Set: MD  
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
CNL; GR/CCL22. Was well cored? ☐ No ☒ Yes (Submit analysis)  
Was DST run? ☐ No ☒ Yes (Submit analysis)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.25     | 9.625 H-40 | 32.3        | 0        | 235         |                      | 150                         |                   | 0           | 8 bbl         |
| 7.875     | 5.5 J-55   | 17.0        | 0        | 3396        |                      | 810                         |                   | 0           | 20 bbl        |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 3330           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation               | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------------------|------|--------|---------------------|------|-----------|--------------|
| A) Basin Fruitland Coal | 3274 | 3287   | 3274-3287           | .42" | 36        | Open         |
| B) Basin Fruitland Coal | 2948 | 3104   | 2948-3104           | .42" | 86        | Open         |
| C)                      |      |        |                     |      |           |              |
| D)                      |      |        |                     |      |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 3274-3287      | 25# Delta frac 140/in Pad w/1000# of 40/70 AZ sand. Frac Lower FC w/20# Delta frac 140 w/ WCNT. 50,050# 16/30 Brady. Total sand: 51, 050 Fluid: 962 bbl. |
| 2948-3104      | 25# Delta frac 140 in Pad w/4500# 40/70 AZ sand. Frac the upper FC w/20# Delta frac 140 w/WCNT236,000# 16/30 Brady. Total sand: 240,500 Fluid: 3651 bbl. |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested    | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|-----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 12/12/05            | 12/09/05             | 4               | →               | 0       | 891 mcf | 40 bwpd   |                       |             | Flowing           |
| Choice Size         | Tbg. Press. Flwg. SI | Csg. Press. n/a | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
| 1/2"                |                      | 135 psi         | →               |         |         |           |                       | Shut-in     |                   |


Production - Interval B

| Date First Produced | Test Date           | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                     |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                     |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD

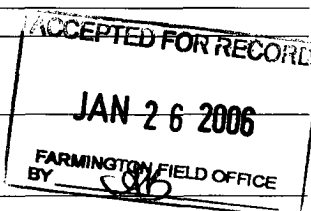
JAN 26 2006

FARMINGTON FIELD OFFICE

BY 

(See Instructions and spaces for additional data on page 2)

NMOC



## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name             | Top Meas. Depth |
|-----------|-----|--------|------------------------------|------------------|-----------------|
|           |     |        |                              | Nacimiento       | 523             |
|           |     |        |                              | Ojo Alamo        | 1873            |
|           |     |        |                              | Kirtland         | 2053            |
|           |     |        |                              | Fruitland        | 2863            |
|           |     |        |                              | Top Coal MD      | 2904            |
|           |     |        |                              | B Main Coal MD   | 3106            |
|           |     |        |                              | PC Tongue MD     | 3215            |
|           |     |        |                              | B Lowest Coal MD | 3288            |
|           |     |        |                              | Top PCCF MD      | 3300            |

## 32. Additional remarks (include plugging procedure):

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

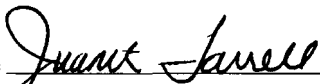
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) JUANITA FARRELLTitle REGULATORY ANALYST

Signature

Date 12/28/2005

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## Regulatory Summary

### SAN JUAN 32 7 UNIT #247

#### INITIAL COMPLETION, 10/19/2005 00:00

|                                   |                                    |                                      |   |                           |              |                           |              |
|-----------------------------------|------------------------------------|--------------------------------------|---|---------------------------|--------------|---------------------------|--------------|
| API/Bottom UWI<br>300453283200    | County<br>San Juan                 | State/Province<br>NEW MEXICO         | Surface Legal Location<br>NMPM-32N-07W-07-N | N/S Dist (ft)<br>1,125.00 | N/S Ref<br>S | E/W Dist (ft)<br>1,746.00 | E/W Ref<br>W |
| Ground Elevation (ft)<br>6,410.00 | Latitude (DMS)<br>36° 59' 29.33" N | Longitude (DMS)<br>107° 36' 41.94" W | Spud Date<br>10/7/2005                      | Rig Release Date          |              |                           |              |

#### 10/19/2005 00:00 - 10/19/2005 00:00

##### Last 24hr Summary

Held safety meeting. RU Computalog. Ran CNL log from 3336 to 2750'. Ran GR/CCL log from 3336' to surface. SWI. RD Computalog.

#### 11/19/2005 09:00 - 11/19/2005 14:00

##### Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the lower Fruitland Coal. RIH w/ 3 1/8" slickgun w/ Titan 322g. Perforated from 3274' - 3278' w/ 4 spf, 3282' - 3287' w/ 4 spf. A total of 36 holes w/ .42 dia. RD Computalog.

#### 11/20/2005 06:00 - 11/20/2005 18:00

##### Last 24hr Summary

Held safety meeting. RU Expert Downhole slickline. SICP 20 #. Run pressure gauge on the Lower fruitland coal. RIH w/ pressure gauge to 3283'. Perfs @ 3274' - 3287'. POOH w/ pressure gauges. BHP 1420 #. RD wireline. RU Halliburton. Frac the Lower Fruitland Coal. Tested lines to 5500 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 2496 #. Pumped 1000 gals of 28% formic acid @ 5 BPM @ 2496 #. Pumped 25 # Delta frac 140 in Pad w/ 1000 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Lower Fruitland Coal w/ 20 # Delta frac 140 w/ WC NT. 50,050 16/30 Brady sand. Total sand pumped 51,050 #. 962 bbls fluid. Avg rate 37 BPM. Avg pressure 2715 #. Max pressure 3867 #. Max sand cons 5 # per gal. ISIP 1306 #. Frac gradient .84. RU Computa log. RIH w/ 5 1/2" RBP. Set RBP @ 3150'. Tested plug to 4500 #. Held ok. Perforated the Upper Fruitland Coal. RIH w/ 3 1/8" slickgun w/ Titan 322g. Perforated from 2948' - 2952' w/ 2 spf, 2968' - 2978' w/ 2 spf, 3014' - 3017' w/ 2 spf, 3026' - 3034' w/ 2 spf, 3086' - 3104' w/ 2 spf. A total of 86 holes w/ .42 dia. RD Computalog. RU Halliburton. Frac the Upper Fruitland Coal. Tested lines to 5500 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 1145 #. Pumped 2500 gals of 28% formic acid @ 5 BPM @ 1766 #. Pumped 25 # Delta frac 140 in Pad w/ 4500 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Upper Fruitland Coal w/ 20 # Delta frac 140 w/ WC NT. 236,000 # 16/30 Brady sand. Total sand pumped 240,500 #. 3651 bbls fluid. Avg rate 52 BPM. Avg pressure 3471 #. Max pressure 3658 #. Max sand cons 5 # per gal. ISIP 2610 #. Frac gradient 1.30. SWI. RD Halliburton.

#### 11/21/2005 11:00 - 11/21/2005 18:00

##### Last 24hr Summary

Held safety meeting. RU Coil tbg. SICP 350 #. RIH w/ 1 1/4" coil tbg. Tagged sand @ 2800'. 350' of fill. cleaned out from 2800" to 3150 RBP. Perfs @ 2948' to 3104'. circulated sand off of 5 1/2" RBP w/air. Pooh w/ coil tbg. SWION.

#### 11/22/2005 07:00 - 11/22/2005 19:00

##### Last 24hr Summary

Held safety meeting. RU Coil tbg. SICP 650 #. RIH w/ 1 1/4" coil tbg. Tagged sand @ 3100'. 50' of fill. Cleaned out from 3100" to 3150 down to RBP. Perfs @ 2948' to 3104'. Circulated sand off of 5 1/2" RBP w/air. Pooh w/ coil tbg. RIH w/ on & off tool. Latched on to 5 1/2" RBP. Attempted to pull RBP. Could not pull it. Dropped ball down thru 1 1/4" tbg to disconnect from RBP. Pooh w/ 1 1/4" tbg. SWI. RD coil tbg.

#### 12/2/2005 07:30 - 12/2/2005 12:00

##### Last 24hr Summary

Crew held PJSA meeting. Talked about conducting safe rig move. Talked about hazards of planned operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Warm up unit. Road unit to wellsite. Park unit on location. Secured rig. Will not be able to rig up until the rest of the rig equipment is delivered to location. Dawn Trucking unable to move rig equipment and air package equipment to location until 12-3-05. (no rig up trucks available). Secured lease. Shutdown operations for the weekend.

#### 12/3/2005 07:30 - 12/3/2005 12:30

##### Last 24hr Summary

Crew held PJSA meeting. Talked about conducting safe rig equipment move. Talked about using ground guides when backing, using tag lines, watching for each other. Talked about hazards of planned operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Load up associated rig equipment onto equipment skids and Dawn Trucking lowboy trailers. Move to wellsite with rig equipment. Start spotting rig equipment onto well. Move in and rig up Basic Energy air package equipment to wellsite. All equipment delivered and spotted onto location. Well and lease secured. Shutdown operations.

#### 12/5/2005 07:30 - 12/5/2005 16:45

##### Last 24hr Summary

SICP- 840 Psi

Bradenhead- 0 Psi

Hold PJSA meeting with crew. Talked about conducting safe job operations. Talked about hazards of planned operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Rig up flowback line to casing valve on well. Bleed down casing pressure thru 1/2" choke installed into flowback line. Kill casing with 10 bbls of 2% kcl water. Installed testing hanger assembly. Secured lockdown pins. Nipple down Frac valve, spool assembly. Nipple down Wood Group 2" spool below BOP. Change out with High Tech Tool 3" spool below the BOP. Install BOP assembly. Nipple up 3" connections for dual flowlines. Pressure test BOP blind and pipe rams with a low (250 Psi- 10 min.) and a high (2,500 Psi- 30 min.) test. Tests were successful. Lay dual lines to flowback tank. Rig up floor assembly. Rig up tubing lifting device and tools. Drained rig pump and lines. Secured well and lease. Shutdown operations for the day.

12/6/2005 06:00 - 12/6/2005 16:45

## Last 24hr Summary

SICP- 250 Psi

Bradenhead- 0 Psi

Held PJSA meeting on location. Talked about conducting safe job operations. Outlined safety topics related to planned operations. Blowdown casing pressure. Attempt to kill well with 10 bbls of 2% kcl water. Well started to pressure up after pumping 5 bbls. Could not kill well. Let well pressure bleed down and unload fluid. Flint crew start setting concrete anchors of flowback and air lines. Continue to bleed down well. Nipple up Baker fishing tools. Install new stripping rubber. Start into well with 1- 3.75" x 12.52' Overshot/ bumper sub assembly with 2.625" grapple installed, 1- 1.08" x 1.78" I.D. x 2 3/8" Seat-Nipple, 2 3/8" tubing tallied and picked up from tubing trailer. Tripped tubing into well and tagged fish (bridge plug) at 3,149'. Rig up air unit to tubing. Pressure test air lines to 1,400 Psi. Tested good. Start air unit at 1,200 CFM with 3 BPH foam/mist. Well unloaded about 50 bbls of fluid, then made mist and light frac sand. Continued with air/mist and tagged fish and attempted to latch on with overshot. Made several attempts to latch fish. Fish came loose. Shutdown air unit. Tripped into well to 3,287' and tagged the fish or fill. Attempt to latch fish. Trip out of well with tubing, tools. Kill well with 30 bbls of 2% kcl water to trip out last 5 stands. No fish (bridge plug) was recovered. Bridge plug now at 3,287'. Installed 1.75" grapple into fishing assembly. Start back into well with tubing, fishing tools. Tripped tubing to 2,930' (just above upper perfs). Install TIW valve onto tubing. Close and lock pipe rams. Well secured. Secured lease. Shutdown operations for the day.

12/7/2005 07:30 - 12/7/2005 16:45

## Last 24hr Summary

SICP- 800 Psi

Bradenhead- 0 Psi

Held PJSA meeting on location. Talked about safe job operations. Talked about upcoming fishing, cleanout operations. Talked about hazards of operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip into well with tubing, overshot assembly. Tag fill on bridge plug at 3,284' (3' of fill on plug). Rig up air unit. Start air at 1,200 CFM with 3 BPH foam/mist. Well unloaded 40 bbls of fluid, then mist and light sand. Cleaned out to the top of plug at 3,287'. Continued with air/mist and tagged fish and attempt to latch on with overshot. Made several attempts. Shutdown air unit. Trip out of well with tubing, tools. Kill well with 10 bbls of 2% kcl water to trip out last 5 stands. Fish (bridge plug) was recovered. Nipple down Baker fishing tools and released. Nipple up BHA. Install stripping rubber. Start into well with 1- .40" x 2 3/8" Mule shoe, 1- .85" x 1.81" I.D. x 2 3/8" F-Nipple, 2 3/8" tubing from derrick, will install string float at 2,930'. Well unloading fluid while tripping in. Estimated 10 BPH. Tagged fill at 3,292'. Rig up air unit. Start air at 1,200 CFM with 3 BPH foam/mist. Well unloaded about 5 bbls of fluid, then made mist and light sand. Cleaned out fill to 3,349'. Continued with air/mist until returns were cleaned. Shutdown air unit. Pull tubing up 60'. Let well flow natural to see if any fill or fluid will be made. Trip back into well and tagged no fill. Start air at 1,200 CFM with 3 BPH foam/mist. Well unloaded about 15 bbls of fluid, then made mist, no sand. Shutdown air unit. Trip tubing above perfs to 2,930'. Install TIW valve. Close pipe rams. Well secured. Drain pump and lines. Secured lease. Shutdown operations for the day.

12/8/2005 07:30 - 12/8/2005 16:45

## Last 24hr Summary

SICP- 850 Psi

Bradenhead- 0 Psi

Held PJSA meeting. Talked about conducting safe job operations. Check well pressure. Blowdown casing pressure into flowback tank. Trip into well with tubing to tag fill. No fill was made at 3,349'. Rig up air unit. Start air at 1,200 CFM with 3 BPH foam/mist. Well unloaded 35 bbls of fluid, then made heavy mist and minimal sand. Continued with air/mist until returns were reduced. Shutdown air unit. Trip tubing to string float. Kill tubing with 6 bbls of 2% kcl water. Remove string float. Trip tubing to 3,275' to flow test Fruitland Coal. Install TIW valve. Rig up air unit to unload kill fluid. Start air at 1,200 CFM with no mist. Well unloaded 30 bbls of fluid, then made heavy mist with no sand. Continued with air/mist until returns were reduced. Shutdown air unit. Rig up flowback assembly with 1/2" choke installed. Attempt to flow test the Fruitland Coal zone (2,948'- 3,287') up the tubing to atmosphere thru the choke. Well died 10 minutes into testing period. Shut in TIW valve. Rig down flowback assembly. Rig up air unit. Start air at 1,200 CFM with 3 BPH foam/mist. Well unloaded 30 bbls of fluid, then made heavy mist and no sand. Continued with air/mist until returns were reduced. Shutdown air unit. Let well flow natural to see if any fluid will be made. Well was unloading fluid, estimated at 10 BPH. Restart air at 1,200 CFM with 3 BPH foam/mist. Well unloaded about 25 bbls of fluid, then made heavy mist with no sand. Shutdown air unit. Repeated this procedure again with the same results. Trip tubing above perfs to 2,930'. Install TIW valve. Close pipe rams. Well secured. Drain pump and lines. Secured lease. Shutdown operations for the day.

12/9/2005 07:30 - 12/9/2005 16:45

## Last 24hr Summary

SICP- 750 Psi

Bradenhead- 0 Psi

Crew held PJSA meeting on location. Talked about working safely. Talked about planned operations and associated hazards. Outlined safety topics related to planned operations. Blowdown well. Kill tubing with 8 bbls of 2% kcl water, pull string float assembly. Trip into well to tag fill, will install string float at 3,275'. Tagged no fill at 3,349'. Rig up air, start at 1,200 CFM and 3 BPH mist. Well unloaded 40 bbls of fluid, then made fluid/mist with no sand. Cut air back to 700 CFM with no mist. Well flowing fluid at +/- 10 BPH. Shutdown air unit. Trip tubing to 3,275' to flow test Fruitland Coal zone. Kill tubing with 6 bbls of 2% kcl water. Removed string float assembly, install TIW valve. Rig up air. Start air at 1,200 CFM with no mist to unload kill fluid. Well unloaded 35 bbls of fluid then made +/- 10 BPH fluid, with no sand. Shutdown air unit. Rig up flow testing assembly with a 1/2" choke installed. Flow test the Fruitland Coal zone (2,948'- 3,287') up the tubing to atmosphere thru the choke. (Choke coefficient: 6.6) FTP Avg.- 135 Psi. SICP - 500 Psi. Well started making heavy fluid, mist 10 minutes into testing period. No sand was noted. Testing indicated Fruitland Coal production at 891 MCFPD with 140.0- Bbls of water per day, 0- Bbls of Oil per day, with no sand production. Test was witnessed by Rig Operator (S. Serna). Testing complete. Blowdown well pressure. Rig up H & H Wireline to set Baker plug in F-Nipple. Made 2 runs. 1- with 1.906" gauge ring, 1- with plug setting tool. Set plug in F-Nipple. Blowdown tubing. Rig down, release slickline unit. Start tripping 2 3/8" tubing, BHA out of the well. Kill well with 10 bbls of 2% kcl water to trip out last 5 stands. Out of well with tubing, nipple down BHA. Close and lock blind rams. Well secured. Drained pump and all lines. Secured lease. Shutdown for the weekend.

**12/12/2005 07:30 - 12/12/2005 16:30**

**Last 24hr Summary**

**FINAL REPORT**

**SICP- 900 Psi**

**Bradenhead- 0 Psi**

Held PJSA meeting on location. Talked about working safely. Talked about planned operations and associated hazards. Blowdown casing pressure. Kill well with 10 bbls of 2% kcl water. Nipple up Production BHA. Install new stripping rubber. Start into well with 1- .32' x 2 1/16" Notched collar, 1- .78' x 1.5" I.D. x 2 1/16" Seat Nipple, 1- .82' x 2 1/16" x 2 3/8" Change-over, 1- 31.35' x 2 3/8" Mud Anchor, 1- .85' x 1.78" I.D. x 2 3/8" F-Nipple with Baker plug, 2 3/8" tubing from the derrick. Also ran 1- 8' and 10' pup joint. Install tubing hanger assembly. Land tubing, secured lockdown pins. Tubing landed at 3,331.84' K.B. Top of 1.78" I.D. F-Nipple at 3,297.72' K.B. Nipple down BOP assembly. Nipple up wellhead assembly, B-1 Flange, etc. Rig up H & H Wireline, tools. Pump 10 bbls of 2% kcl water down tubing. Run in with slickline to pull Baker plug from F-Nipple at 3,297'. Made 2 runs 1- with pressure disc puncturing tool, 1- with plug pulling tool. Pulled plug from F-Nipple. Rig down, release slickline unit. Rig up to run pump and rods. Test function of insert rod pump at surface, tested good. Start into well with 1- 1" x 8' Sand Screen (12-slot), 1- 2" x 1 1/2" x 12' RWAC-ZDV Insert Rod Pump (COPC # 294), 3 - 25' x 1 1/4" Sinker Bars, 128 - 25' x 3/4" sucker rods, 1- 6' x 3/4" pony rod, 1- 22' x 1 1/4" Polished Rod assembly. Used 3/4" circumferential cards while making up rod string. Seat pump in F-Nipple. Nipple up upper well assemblies. Set polished rod for soft tag. Test rod/tubing annulus to 500 Psi with 10 bbls 2%kcl fluid. Tested good. Released to 100 Psi, stroke pump up to 500 Psi. Tested good. Release pressure and drain and shut in well. Well secured. Rig down completion unit and equipment. Clean and secured lease. Operations completed. Will move equipment off wellsite on 12-13-05. Will notify Facilities Supervisor of completion of services.

**END OF WELL SCHEMATIC**

**Well Name:** San Juan 32-7 #247  
**API #:** 30-045-32832  
**Location:** 1125' FSL & 1746' FWL  
 Sec. 7 - T32N - R7W  
 San Juan County, NM  
**Elevation:** 6410' GL (above MSL)  
**Drl Rig RKB:** 13' above Ground Level  
**Datum:** Drl Rig RKB = 13' above GL

**Patterson Rig:** #749  
**Spud:** 7-Oct-05  
**Spud Time:** 19:00  
**Date TD Reached:** 11-Oct-05  
**Release Drl Rig:** 12-Oct-05  
**Release Time:** 12:00

**Surface Casing** Date set: 8-Oct-05  
 Size 9 5/8 in  
 Set at 235 ft # Jnts: 5  
 Wt. 32.3 ppf Grade H-40  
 Hole Size 12 1/4 in Conn STC  
 Excess Cmt 125 %  
 T.O.C. SURFACE Csg Shoe 235 ft  
 TD of 12-1/4" hole 240 ft

☒ New  
☐ Used

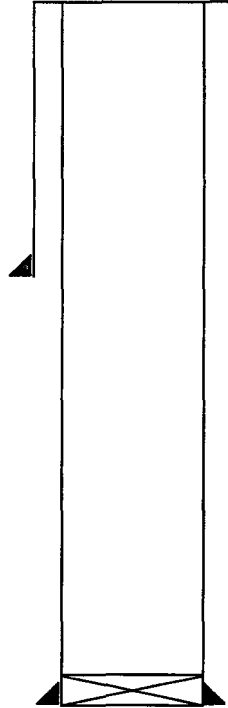
Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
 Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Production Casing:** Date set: 11-Oct-05  
 Size 5 1/2 in 77 jts  
 Set at 3396 ft 0 pups  
 Wt. 17 ppf Grade J-55  
 Hole Size 7 7/8 in Conn LTC  
 Excess Cmt 160 % Top of Float Collar 3349 ft  
 Pup Jt @ \_\_\_\_\_ ft Bottom of Casing Shoe 3396 ft  
 TD of 7-7/8" Hole 3400 ft

☒ New  
☐ Used

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
 Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

9-5/8" 8 RD x 11" 3M Casing Head



TD of 7 7/8" Hole: 3400 ft

**Surface Cement**

Date cmt'd: 8-Oct-05  
**Lead :** 150 sx Type III Cement  
 + 2% S001 Calcium Chloride  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 0.20% D046 Antifoam  
 1.33 cuft/sx, 199.5 cuft slurry at 15.0 ppg  
 Displacement: 15.0 bbls fresh wtr  
 Bumped Plug at: 03:00 hrs w/ 200 psi  
 Final Circ Press: \_\_\_\_\_  
 Returns during job: YES  
 CMT Returns to surface: 8 bbls  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 11.00 hrs (plug bump to test csg)

**Production Cement**

Date cmt'd: 11-Oct-05  
**Lead :** 565 sx 75% TXI / 25% Class G Cement  
 + 3.0% D079 Extender  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 0.20% D046 Antifoam  
 2.10 cuft/sx, 1186.5 cuft at 11.7 ppg.  
**Tail :** 245 sx 50/50 POZ : Standard cement  
 + 2% D020 Bentonite  
 + 5 lb/sx D024 Gilsonite  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 2% S001 Calcium Chloride  
 + 0.10% D046 Antifoam  
 1.27 cuft/sx, 311.2 cuft slurry at 13.5 ppg  
 Displacement: 79 bbls  
 Bumped Plug: 18:30 hrs w/1500 psi  
 Final Circ Press: \_\_\_\_\_  
 Returns during job: Yes  
 CMT Returns to surface: 20 BBLs  
 Floats Held: ☒ Yes ☐ No

Schematic prepared by:  
 Aaron Fuhr, Development Engineer  
 14-October-2005

**COMMENTS:**

|                   |   |
|-------------------|---|
| 9-5/8" Surf:      | No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 192'.<br>Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.<br>CENTRALIZERS @ 226' 148', 104' & 60'.<br>Total: 4 |
| 5 1/2" Production | DISPLACED W/ 79.0 BBLs. WATER.<br>CENTRALIZERS @ 3386', 3305', 3215', 3134', 3045', 2957', 220', 88' & 44'.<br>TURBOLIZERS @ 2032', 1988', 1944', 1899' & 1855'.<br>Total: 9<br>Total: 5  |