

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMSF 078146

|  |  |   |  |
|--|--|---|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other  |  | 6. If Indian, Allottee or Tribe Name  |  |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.<br>Other _____  |  | 7. Unit or CA Agreement Name and No.  |  |
| 2. Name of Operator<br>CONOCO INC.   |  | Contact: DEBORAH MARBERRY<br>E-Mail: deborah.a.marberry@conoco.com            |  |
| 3. Address P.O. BOX 2197 DU 3066<br>HOUSTON, TX 77252  |  | 3a. Phone No. (include area code)<br>Ph: 281.293.1005                         |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface Sec 34 T32N R12W Mer NMP<br>NESW 1500FSL 1955FWL<br>At top prod interval reported below<br>Sec 34 T32N R12W Mer NMP<br>At total depth NESW 1500FSL 1955FWL  |  | 8. Lease Name and Well No.<br>NEWBERRY LS 2C                                  |  |
| 14. Date Spudded<br>02/20/2002   |  | 15. Date T.D. Reached<br>04/04/2002   |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>08/26/2002  |  | 9. API Well No.<br>30-045-30581   |  |
| 18. Total Depth: MD 7502<br>TVD  |  | 19. Plug Back T.D.: MD 5445<br>TVD  |  |
| 20. Depth Bridge Plug Set: MD<br>TVD   |  | 10. Field and Pool, or Exploratory<br>BLANCO MESAVERDE                        |  |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>GR/CBL  |  | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 34 T32N R12W Mer NMP |  |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) |  | 12. County or Parish<br>SAN JUAN  |  |
| 23. Casing and Liner Record (Report all strings set in well)   |  | 13. State<br>NM   |  |
| 17. Elevations (DF, KB, RT, GL)*<br>6155 GL  |  |   |  |

| Hole Size | Size/Grade  | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 J-55 | 55.0        | 0        | 244         |                      | 330                          |                   |             |               |
| 12.250    | 8.625 J-55  | 24.0        | 0        | 4637        |                      | 1370                         |                   |             |               |
| 7.875     | 5.500 J-55  | 16.0        | 0        | 5538        |                      | 930                          |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 4813           |                   |      |                |                   |      |                |                   |

| Formation           | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---------------------|------|--------|---------------------|------|-----------|--------------|
| A) BLANCO MESAVERDE | 4776 | 5006   | 4776 TO 5006        |      | 51        | OPEN         |
| B)                  |      |        |                     |      |           |              |
| C)                  |      |        |                     |      |           |              |
| D)                  |      |        |                     |      |           |              |

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 4776 TO 5006   | FRAC W/1044 BBLs 25# LINEAR GEL FOAMED TO 65Q W/949,700 SCF N2 & 101,000 # 20/40 & 16/30 SAND |
|                |   |
|                |   |
|                |   |

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 08/26/2002          | 08/21/2002           | 24           | →               | 0.0     | 1716.0  | 2.0       |                       |             | FLows FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 1/2                 | SI                   | 260.0        | →               |         |         |           |                       | PGW         |                   |

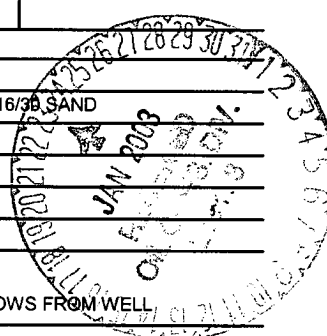
| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|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

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #14224 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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NMCCD



ACCEPTED FOR RECORD

JAN 21 2003

FARMINGTON FIELD OFFICE

## 28b. Production - Interval C

|                     |                            |              |                      |         |         |           |                          |             |                   |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press.<br>Flwg.<br>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<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press.<br>Flwg.<br>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 of 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 |
|           |     |        |                              | OJO ALAMO       | 1005        |
|           |     |        |                              | KIRTLAND        | 1185        |
|           |     |        |                              | FRUITLAND       | 2100        |
|           |     |        |                              | PICTURED CLIFFS | 2614        |
|           |     |        |                              | LEWIS           | 2808        |
|           |     |        |                              | CHACRA          | 3736        |
|           |     |        |                              | CLIFF HOUSE     | 4216        |
|           |     |        |                              | MENEFEE         | 4463        |
|           |     |        |                              | POINT LOOKOUT   | 4900        |
|           |     |        |                              | MANCOS          | 5300        |
|           |     |        |                              | GALLUP          | 6356        |
|           |     |        |                              | GREENHORN       | 7020        |
|           |     |        |                              | GRANEROS        | 7076        |
|           |     |        |                              | TWO WELLS       | 7131        |
|           |     |        |                              | PAGUATE         | 7209        |

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

This well is currently producing from the Mesaverde only. Encountering problems with the drilling of this well Conoco performed a step out from the original wellbore to get below the problem then drilled back to the original vertical. Daily summaries are attached.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
- 7 Other:

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

Electronic Submission #14224 Verified by the BLM Well Information System.  
For CONOCO INC., sent to the Farmington  
Committed to AFMSS for processing by Adrienne Garcia on 01/21/2003 ()

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 01/20/2003

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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## Daily Summary

|                                  |                        |                              |   |                          |               |                          |               |
|----------------------------------|------------------------|------------------------------|---|--------------------------|---------------|--------------------------|---------------|
| API/UWI<br>300453058100          | County<br>SAN JUAN     | State/Province<br>NEW MEXICO | Surface Legal Location<br>NMPM-32N-12W-34-K | N/S Dist. (ft)<br>1500.0 | N/S Ref.<br>S | E/W Dist. (ft)<br>1955.0 | E/W Ref.<br>W |
| Ground Elevation (ft)<br>6155.00 | Spud Date<br>2/20/2002 | Rig Release Date<br>4/9/2002 | Latitude (DMS)                              | Longitude (DMS)          |               |                          |               |

| Start Date                                | Ops This Rpt   |
|---|--|
| 5/10/2002 00:00                           | Checked pressure on well, 0 psi. MIRU AWS # 376. Recieved DC's, DP, and handling tools. Set in all equipment and prep to go 24 hr operation.   |
| 5/11/2002 00:00                           | RU Wood Group test unit. Changed out pipe rams to 2-7/8". Tested blind rams and pipe rams to 260 psi and 5000 psi, test OK. Dropped opening, closing bomb for mechanical DV tool. SWI-SDON.  |
| 5/13/2002 00:00                           | PU 4-3/4" MT bit, bit sub, (12) 3-1/2" DC's, XO, & 2-7/8" AOH DP. TIH and tagged @ 2124'. Attempt to run rental pump and swivel. Had to swap out pump and swivel with rental company. SWI-SDON. Swapped out all bad equipment.   |
| 5/14/2002 00:00                           | Checked out new pump and swivel. Pressure tested casing to 2300 psi. Test OK. RU swivel & broke circulation. Drilled top DV tool from 2158'-2160'. Circ'd clean. Pressure test DV tool to 2300 psi, test OK. TIH and tagged DV tool @ 3192'. Attempt to break circ and bit was plugged. Jarred DP and unplugged bit. Broke circ and cleaned out from 3192'-3426' circ'g out cedar fiber, paper, and magma-fiber. Drilled DV tool from 3426'-3428'. TIH to 3444'. Attempt to pressure test casing and DV tools. Casing would pressure up to 2100 psi and bled down to 920 psi in 90 seconds. Would hold 920 psi. PUH to 3413'. SWI-SDON.  |
| 5/15/2002 00:00                           | TIH & tagged cement @ 5378'. Broke circulation. Drilled contaminated cement from 5378'-5445'(FC). Drilled FC from 5445'-5447'. Drilled cement from 5447'-5530'. Circ'd hole clean. SWI-SDON.   |
| 5/16/2002 00:00                           | Built mud, circulated hole with mud. Drilled cement from 5530'-5538'. Drilled FS @ 5538' and continued TIH to 5919'. Circ hole and took gas kick. Circulated gas kick out of hole for 2 hrs to 500 psi. Built more mud volume. Cleaned out from 5919'- 6235' circ'g and rotating 10 jts down. Circ hole clean @ 6235'. Continued circ'g and rotating in hole with 10 more joints to 6551'. Circ hole clean. Cont circ'g and rotating in hole to 6710'. Circ hole clean. Circ and rotate to 6868'. Continued cleaning out circulating and rotating from 6868'-7052'.  |
| 5/17/2002 00:00                           | Continued cleaning out circ'g and rotating 7052' - 7502'. Reached TD @ 4:00 PM, 5-17-02. Continued circ'g and conditioning hole.   |
| 5/18/2002 00:00                           | Continued circulating and conditioning hole overnight working DP rotating while circ'g. LD swivel. TOH w/DP, DC's, & bit. RU San Juan Casing crew. PU4" FL4S float shoe, (1) jt 4" 11 #/ft J55 FL4S, 4" FL4S landing collar, ( 46 jts 4" 11 3/ft J55 FL4S liner, TIW liner hanger assembly & 84 stands + single 2-7/8" AOH DP. TIH and set liner hanger assembly @ 5335'. Did not fill liner while TIH. Held safety meeting with Halliburton. Pumped 10 FW spacer, 10 bbls mud flush, 10 bbls FW and started circulating out annulus. Should not have circ'd out annulus until 49 bbls pumped. Cementer pumped 5 bbls light cement before shutting down. Shut down. Discussed situation. Decide to keep pumping water to clear pipe and annulus. |
| Liner Detail (top to bottom)              |  |
| TIW "L" packer assembly 6.00'             |  |
| "J" Hanger assembly 4.80'                 |  |
| 46 jts 4" 11lb/ft J55 FL4S liner 2120.00' |  |
| 4" landing collar 1.00'                   |  |
| 1 jt 4" Ditto casing 46.75'               |  |
| 4" Float shoe 1.20'                       |  |
| Total Liner 2179.75'                      |  |
| TOL @ 5335'                               |  |
| 4" liner shoe @ 7494' with no KB          |  |
| 5/19/2002 00:00                           | Ordered more water to cement with. Continued circ'g and circ'd FW spacers and light cement out aannulus with 260 bbls water. Cemented liner with 411 sx 50:50 POZ H + 3% gel + .4% Halad 344 + .2% CFR # + HR 5 20# Blendsilicalite mixed @ 12.8 ppg, 1.70 yield, 1.5 - 3.5 BPM @ 600-0 psi. Displaced cement with 48.7 bbls fresh water @ 3 -2 BPM @ 300-740-900 psi. Did not bump plug. Shut down & checked float, held OK. Packed off liner & reversed circulated 2X DP capacity. Did not circ cement off liner top. TOH with DP LD 80 jts DP and finished TOH with remainder of DP and setting tool. SWI-SDON.   |
| 5/20/2002 00:00                           | Held safety meeting. Cleaned mud pit and shaker. RD Weatherford pump. TIH with BHA & DP. Tagged TOL @ 5335'. No cement on TOL. TOH LD all DP,DC's, & bit. SWI-SDON.  |
| 5/21/2002 00:00                           | Moved out all DP,DC's, & rental equipment. Unloaded 169 jts 2-3/8" tubing & 70 jts 2-1/16" tubing. Shut down operation due to high winds.  |
| 5/22/2002 00:00                           | PU 3-1/4" blade bit, bit sub, 70 jts 2-1/16" 10 RD IJ tubing, XO, & 161 jts 2-3/8" 8RD EUE tubing. TIH and tagged @ 7390'. Displaced hole with clean @% KCL water. Pressure tested 5-1/2" casing, 4" liner and liner top to 2500 psi. Test OK. TOH with all tubing, prep to run CBL.   |
| 5/23/2002 00:00                           | Shut in pressure 0 psi. RU Blue Jet and held safety meeting. Ran GR-CBL from PBTDof 7390 to surface. CBL showed 90% bond from 7390'-5760', 40% bond 5760'-5440', 25% bond 5440'-5340', avg 70% bond 5340'-4750', 20% 4750'-4070', 80 % bond 4070'-500'. RD Blue Jet. SWI-SDON.   |
| 5/24/2002 00:00                           | Rig on standby pending perf'g information.   |

## Daily Summary

|                                  |                        |                              |   |                          |               |                          |               |
|----------------------------------|------------------------|------------------------------|---|--------------------------|---------------|--------------------------|---------------|
| API/UWI<br>300453058100          | County<br>SAN JUAN     | State/Province<br>NEW MEXICO | Surface Legal Location<br>NMPM-32N-12W-34-K | N/S Dist. (ft)<br>1500.0 | N/S Ref.<br>S | E/W Dist. (ft)<br>1955.0 | E/W Ref.<br>W |
| Ground Elevation (ft)<br>6155.00 | Spud Date<br>2/20/2002 | Rig Release Date<br>4/9/2002 | Latitude (DMS)                              | Longitude (DMS)          |               |                          |               |

| Start Date      | Ops This Rpt   |
|-----------------|--|
| 5/28/2002 00:00 | Held safety meeting. Pressured 5-1/2" casing & 4" liner to 2500 psi with rig pump. RU Wood Group. Continued pressuring casing to 3800 psi and pressure broke back to 840 psi. RD Wodd Group. TIH with 5-1/2" RBP & PKR. Set RBP @ 5230'. Set pkr @ 5200'. Pressure test RBP to 2300 psi. Released pkr. PUH & isolated casing leak from 3417'-3441'. DV tool @ 3421' is leaking. SWI-SDON.  |
| 5/29/2002 00:00 | SIP: 0 psi. TOH with 2-3/8" tbg & pkr. Dumped 1 sack sand on RBP. TIH with 54 stands + 1 single jts 2-3/8" tbg. EOT @ 3449'. Held safety meeting. RU Halliburton cementing crew. Pressure test lines to 3000 psi. Displaced hole with clean fresh water. Mixed and spotted 25 sx CIH + .5% Halad 322 @ 15.8 ppg, 1.1 yield from 3449'-3239'. PUH to 3006'. Reversed out tubing with 17 bbls fresh water. Closed pipe rams. Pressured up on well with total of 2 bbls displacement to 2500 psi. Pressure bled off 12 psi in 12 mins. Estimated 1-1 1/2 bbls cement in leak. Shut well in. RD Halliburton. Left well shut with pressure on casing overnight.   |
| 5/30/2002 00:00 | SIP: 2160 psi. Bled well down. PU 4-3/4" bit, bit sub, (6) 3-1/2" DC's, XO on 2-3/8" tubing. TIH & tagged cement @ 3297'. RU swivel. Broke circ and drilled out cement from 3297'- 3458'. Circ'd hole clean. Pressure tested casing to 2500 psi, held ok. TOH with 2-3/8" tbg. SWI-SDON.   |
| 5/31/2002 00:00 | Finished TOH with tbg & DC's. RU BJ Services pump truck. Pressure test casing, DV tools, liner top & liner to 4300 psi, test OK. RD BJ. TIH with relieving head for RBP. Latched and released RBP. TOH with tbg & RBP. Held safety meeting. RU Blue Jet. Perf'd Dakota formation through 4" liner with 1-11/16" strip gun as follows: 7134'-7139', 7216'-7233', 7245'-7249', 7255'-7262', 7270'-7272', 7277'-7279', 7304'-7312', 7318'-7328'. 63 holes total. FLVL @ 800' after perf'g. RD Blue Jet. SWI-SDON..  |
| 6/1/2002 00:00  | RU Stinger wellhead isolation tool and BJ Services frac crew. Held safety meeting. Broke Dakota perms 7134'-7328' with KCL water @ 3 BPM @ 1677 psi. Increased rate to 24 BPM @ 2380 psi. Shut down. ISIP: 810 psi. Acidized Dakota perms 7134'-7328' with 1500 gals 15% HCL acid + 41 bbls 2% KCL water diverted with 63 1.3 SG bioball sealers, 8-23 bpm @ 1075-3150 psi. Did not ball off. Wait 1 hour for bioballs. Retest lines to 5338 psi. Pumped step rate test with 160 bbls 2% KCL as follows: 45 BPM @ 3780, 27 BPM @ 2090, 10 BPM @ 800 psi. Shut down. ISIP: 550 psi. FG+.551. Frac'd same perms with 1206 bbls slickwater and 23000 LBS 20/40 sand. Screened out on 1#/gal. Attempt to flush and could only get 17 bbls flush pumped. Pressure went to 4300 psi. Shut down. ISIP: 3399 psi. 5 min: 469. 10 min: 254. 13 min: 196 psi. Left appx 4000 # sand in casing. Appx 19,000 # sand in formation. Shut well in. RD all frac equipment. |
| 6/3/2002 00:00  | SICP : Vac. RU blooey line, flow tee, and all air equipment. TIH with 4-3/4" bit, bit sub, (6) 3-1/2" DC's, XO and 40 stands 2-3/8" tubing. SWI-SDON.  |
| 6/4/2002 00:00  | SIP: 0 psi. Unloaded hole @ 2868'. TIH to 5313'. Unloaded hole and well flowed large amount of sand nearly plugging off blooey line. Circ'd clean. TOH with 2-3/8" tbg, DC's, bit. PU 3-1/4" bit, bit sub, 70 jts 2-1/16" tbg, XO, & 2-3/8" tbg. TIH and tagged sand @ 7258'. Unloaded hole and cleaned out frac sand from 7258'-7390'. Circ'd hole clean and blew hole for 1 hour. PUH to 6770'. SWI-SDON.  |
| 6/5/2002 00:00  | SIP: 940 psi. Installed 1/4" choke. Flowed well to pit for 2-1/2hrs on a 1/4" choke. FCP: 940-300 psi. Installed 1/2" choke. Flowed well to pit for 1-1/2hrs on a 1/2" choke, FCP: 300-70 psi. Est'd flow rate: 462 mcf/d. THIS INFO IS FOR ENGINEERING PURPOSES ONLY!. TIH to 7390', no fill. Broke circ and blew hole for 1 hour. TOH with all tubing. SWI-SDON.   |
| 6/6/2002 00:00  | Decision was made to re-frac DK formation. Rig is on standby. Prep to frac.  |
| 6/7/2002 00:00  | MIRU Stinger isolation tool and BJ Services. Held safety meeting. Tested lines to 5130 psi. Set pop-off @ 4200 psi. Shut in pressure: 1100 psi. Performed pump in @ 36.5 BPM - 38 BPM @ 2300-3800 psi. Pumped 165 bbls 2% KCL water. Shut down. FG=.68. Re-frac DK perms 7134-7328 with 1429 bbls Spectra Frac G 2500 XL gel + 75,000 lbs 20/40 sand, 1/2#/gal - 3#/gal . AVG: 41.5 BPM @ 2950 psi. Min: 2190 psi. Max: 3200 psi ISIP: 1450 5min: 830 10 min: 646 15 min: 541 psi. SWI-SDON. RD BJ and Stinger.  |
| 6/10/2002 00:00 | 14 hr SICP: 50 psi. Bled well down. TIH to 3018'. Unloaded hole with air/mist. Cont'd TIH & tagged sand @ 7259'. Broke circ and cleaned out form 7259'-7390'. Blew hole for 1 hr on bottom. PUH to 6667', SWI-SDON.  |
| 6/11/2002 00:00 | 14 hr SICP: 240 psi. Bled well down. TIH to 7390', no fill. Broke circ and blew hole for 1 hour on bottom. PUH to 6667'. Flow test well to pit for 6 hrs on a 1/2" choke, FCP : 30 psi, no water, no oil, no sand. Est'd rate: 50 mcf/d. DO NOT USE THIS TEST FOR C-104. SWI-SDON.   |
| 6/12/2002 00:00 | SHUT DOWN FOR SAFETY STAND DOWN.   |

## Daily Summary

|                                  |                        |                              |   |                          |               |                          |               |
|----------------------------------|------------------------|------------------------------|---|--------------------------|---------------|--------------------------|---------------|
| API/UWI<br>300453058100          | County<br>SAN JUAN     | State/Province<br>NEW MEXICO | Surface Legal Location<br>NMPM-32N-12W-34-K | N/S Dist. (ft)<br>1500.0 | N/S Ref.<br>S | E/W Dist. (ft)<br>1955.0 | E/W Ref.<br>W |
| Ground Elevation (ft)<br>6155.00 | Spud Date<br>2/20/2002 | Rig Release Date<br>4/9/2002 | Latitude (DMS)                              | Longitude (DMS)          |               |                          |               |

| Start Date      | Ops This Rpt   |
|-----------------|--|
| 6/13/2002 00:00 | <p>SICP: 340 psi. Flow test as follows:<br/> Flowed to pit for 4 hrs.<br/> Choke: 1/4"<br/> Perfs: 7134'-7328' (Dakota)<br/> FCP: 40 psi.<br/> 0bbls water.<br/> 0 bbls oil.<br/> Tubing will be landed @ 7259'<br/> Est'd flow rate: 75 mcf/d<br/> Witnesses: Cresencio Hernandez and Sergio Serna</p> <p>TOH and LD 2-1/16" tubing. RU Blue Jet. Set 5-1/2" WRB @ 5300'. Dumped 10' sand on WRB with dump bailer. Perf'd 5-1/2" casing with 3 sqz holes @ 4975' &amp; 4120'. Well started flowing when perfoating guns were pulled out of hole. Pressure increased to 275 psi and then blew down. TIH with 5-1/2" pkr on 2-3/8" tbg. Set pkr @ 4205'. Pumped into perfs @ 4975', 2 BPM @ 1000 psi. Circ'd out 2-3/8" x 5-1/2" annulus with water. Released pkr. TOH with pkr and tbg. Prep to sqz. SWI-SDON.</p> |
| 6/14/2002 00:00 | <p>TIH with 5-1/2" cement retainer. Set CR @ 4909'. Sqz'd sqz hole @ 4975' with 20 bbls fresh water + 175 sxs (41 bbls) 50:50 POZ w/ 6% gel mixed @ 13.6 ppg, 1.32 yield, 2 BPM @ 900 psi. Displaced cement with 19 bbls fresh water. PUH to 4150'. Circ'd hole with 75 bbls fresh water down tubing out casing, circ'd 1 bbl cement. TOH with tubing. LD stinger and setting tool. TIH to 4146'. Spotted 50 sx (12 bbls) 50:50 POZ w/ 6% gel mixed @ 13.6 ppg, 1.32 yld, from 4146'-3646'. PUH with tubing to 3709'. Reversed out tubing with fresh water, circ'd 4 bbls cement out of tubing. Closed pipe rams and sqz'd perfs 4120' with 4 bbls cement 1 BPM @ 340 psi. Shut down. SWI-SDON. Est'd TOC in casing is 3952'.</p>  |
| 6/17/2002 00:00 | <p>SIP: 0 psi. TOH with tubing. TIH with 4-3/4" bit, bit sub, DC's, XO &amp; 2-3/8" tbg. Tagged cement @ 4106'. Drilled cement from 4106'-4134'. Circ clean. Pressure test casing to 1000 psi, test ok. TIH and tagged soft cement @ 4898'. Circ and clean out green cement from 4898'-4909'. Tag cement retainer @ 4909'. Circ'd clean. TOH with tbg &amp; DC's.</p>  |
| 6/18/2002 00:00 | <p>PU 4-11/16" OD shoe, wash pipe extension, XO, hyd jars, DC's, XO on 2-3/8" tubing. TIH with BHA &amp; 2-3/8" tubing. Tagged cement retainer @ 4913'. Milled over cement retainer from 4913'-4916'. TOH. Recovered cement retainer in shoe. SWI-SDON.</p>  |
| 6/19/2002 00:00 | <p>TIH with BHA &amp; 2-3/8" tubing. Tagged cement @ 4916'. Drilled cement from 4916'-4963'. Brakes on draw works drum came apart. Shut down for rig repair.</p>   |
| 6/20/2002 00:00 | <p>Repaired rig. Started working @ 2:30 PM. Broke circulation. Drilled cement from 4963'-5006'. Continued TIH to 5100'. Circ'd well clean. Pressure test casing to 1100 psi for 30 mins, test OK. SWI-SDON.</p>  |
| 6/21/2002 00:00 | <p>TOH with tubing, DC's, &amp; bit. RU Blue Jet. Ran GR-CBL from 5150'-3550'. CBL showed good coverage throughout interval with exception of 4320'-4600'. RD Blue Jet. TIH with 2-3/8" tbg. Tagged @ 5265'. TOH LD 107 jts. 2-3/8" tbg. SWI-SDON.</p>   |
| 6/24/2002 00:00 | <p>SIP: 0 psi. Finished TOH LD 57 jts. 2-3/8" tubing. ND BOP. NU tree. RDMO to Moore LS 7B. Cleaned location. Well is temporarily off report. Prep to run Berkley Lab Logs.</p>  |
| 8/13/2002 00:00 | <p>NU (2) 7-1/16" 5M frac valves and frac "Y". RU Blue Jet. Perforate Mesa Verde formation through 5-1/2" casing as follows: 4776 - 78-80-84-88-90-92-94-4808-10-12-14-42-26-28-30-32-4904-06-08-10-12-14-30-32-34-36-38-40-42-44-46-48-50-52-54-56-58-68-70-71 holes total. RD Blue Jet. SWI. Prep to frac.</p>   |

## Daily Summary

|                                  |                        |                              |   |                          |               |                          |               |
|----------------------------------|------------------------|------------------------------|---|--------------------------|---------------|--------------------------|---------------|
| API/UWI<br>300453058100          | County<br>SAN JUAN     | State/Province<br>NEW MEXICO | Surface Legal Location<br>NMPM-32N-12W-34-K | N/S Dist. (ft)<br>1500.0 | N/S Ref.<br>S | E/W Dist. (ft)<br>1955.0 | E/W Ref.<br>W |
| Ground Elevation (ft)<br>6155.00 | Spud Date<br>2/20/2002 | Rig Release Date<br>4/9/2002 | Latitude (DMS)                              | Longitude (DMS)          |               |                          |               |

| Start Date      | Ops This Rpt  |
|-----------------|---|
| 8/14/2002 00:00 | <p>Halliburton: Treaters: Nick Johnson (fluid) Larry Culpepper (N2)<br/> MV perfs: 4776-5006 51 holes.<br/> Held safety meeting for breakdown and ball job. Test lines to 5052 -5006 psi in 5 mins. Set pop-off @ 3856 psi.<br/> Capacities:<br/> 5-1/2" 15.5#/ft casing.<br/> Top perf: 4776 = 113.7 bbls<br/> Mid perf: 4891 = 116.5 bbls<br/> Bott perf: 5006 = 119.1 bbls.</p> <p>Breakdown:<br/> Bbls to load: 19 bbls.<br/> Break @ 5 BPM @ 1308 psi, 20 BPM @ 160psi.<br/> Dropped 60 BIO-BALLS in 24 bbls 15% HCL + 36 bbls 2% KCL water, 4.6 BPM @ 58 psi.<br/> Incr'd rate to 17 BPM @ 58 psi. No ball action.<br/> RU N2 equipment. Remove ball gun. Held safety meeting for frac.<br/> Re-test lines to 5436 - 5428 psi. Test N2 lines to 4991 psi. Set pop-off @ 3862 psi.</p> <p>Step Rate Test:<br/> Initial rate / press: 110 bbls to load. 44 BPM @ 1158-1201 psi.<br/> 1 st step: 35 BPM @ 604 psi<br/> 2nd step: 22 BPM @ 25 psi<br/> Shut down: ISIP: vac</p> <p>Frac:<br/> Pad: 19.3 BPM fld rt @ 1889 psi, 57.3 BPM fm rt, 64 Q, 2172 psi - 2000 psi (167 bbls )<br/> ? ppg: 20 BPM fld rt @ 1972 psi, 57.1 BPM fm rt 66 Q, 1948. (sand on form) 55.8 BPM fm rt @ 1922 - 1918 psi<br/> 1 ppg: 21.4 BPM fld rt @ 1908 psi, 57.0 BPM fm rt, 65 Q, 1896 ( sand on form) 57.3 BPM fm rt @ 1892 - 1796 psi<br/> all 20/40 pumped and start 16/30 Arizona, 56.3 BPM fm rt @ 1780 psi. (16/30 on form) (245 bbls)<br/> 2 ppg: 23.6 BPM fld rt @ 1744, 55.5 BPM @ 1720 psi, 66 Q, (sand on form) 55.0 BPM fm rt @ 1708 - 1678 psi (318 bbls)<br/> Flush: 23.2 BPM fld rt @ 1668, 55.7 BPM fm rt @ 1671 55.8 Q (46.2 bbls)<br/> ISIP: 1073 psi 5 min: 900 10 min: 831 15 min: 795 psi. Max: (fm rt) 62 Min: 54 AIR: 56 BPM<br/> Frac: 1044 bbls 25# linear gel foamed to 65Q with 949,700 scf N2 + 101,000 lbs 20/40 &amp; 16/30 sand.</p> |
| 8/19/2002 00:00 | <p>Flowed well to pit for 55 hrs prior to MIRU rig. FCP: 690 psi-210 psi on a 1/4" -1/2" choke for 55 hrs. Flowed stream of water and intermittent mist of water with a trace of oil. MRIU AWS# 376. SICP: 450 psi. Recieved 171 jts 2-3/8" 4.7#/ft yellow band tubing. SWI-SDON.</p>   |
| 8/20/2002 00:00 | <p>SICP: 450 psi. Held safety meeting. Bled well down to 250 psi through full 2" line. Killed well with 2% KCL water. ND frac valve. Installed bull plugged donut in wellhead. NU BOP. Test blind rams and pipe rams to 250 psi and 5000 psi respectively. Well pressured back up to 450 psi. Killed well with 2%KCL water. Pulled donut. PU 4-3/4" MT bit, bit sub w/float, (6) 3-1/8" OD DC's, XO. TIH with BHA &amp; 95 jts 2-3/8" tbg. SWI-SDON.</p>  |
| 8/21/2002 00:00 | <p>SICP: 450 psi. Held safety meeting. Bled well down out blooey line. TIH and tagged @ 5168'. Built mist and broke circ. Cleaned out form 5168'- 5230'. Circ'd well clean for 1-1/2hrs. PUH to 4706'. Flow test well as follows:<br/> Flowed well to pit for 4 hrs.<br/> Choke: 1/2"<br/> FCP: 260 psi<br/> SITP: 0 psi.<br/> Perfs: 4776-5006 Mesa Verde<br/> Water: 2 bbls<br/> Oil: trace<br/> Rate: 1716 mcf/d<br/> Witnesses: Kevin Crawford and Mark Mabe SWI-SDON.</p>  |
| 8/22/2002 00:00 | <p>SICP: 440 psi. Held safety meeting. Bled well down. TIH and tagged @ 5230'. Blew hole for one hour not making any sand. TOH. TIH with relieving head for WRB. Tagged @ 5230'. Built mist and worked retrieving head down f/5230'-5240'. Did not latch on to WRB. Getting cement chips and sand in circ returns. TOH with retrieving head and tubing. SWI-SDON.</p>   |
| 8/23/2002 00:00 | <p>Rig repair and rig broke down.</p>   |

## Daily Summary

|                                  |                        |                              |   |                          |               |                          |               |
|----------------------------------|------------------------|------------------------------|---|--------------------------|---------------|--------------------------|---------------|
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| Ground Elevation (ft)<br>6155.00 | Spud Date<br>2/20/2002 | Rig Release Date<br>4/9/2002 | Latitude (DMS)                              | Longitude (DMS)          |               |                          |               |

| Start Date      | Ops This Rpt  |
|-----------------|---|
| 8/26/2002 00:00 | SICP: 440 psi. Held safety meeting. Bled well down to 200 psi. Killed well with KCL water. TIH w/DC's. TOH LD DC's. TIH with 2-3/8" muleshoed collar, 2-3/8" expendable check, 1 jt 2-3/8" 4.7#/ft J55 8rd EUE tubing, SN, 154 jts 2-3/8" 4.7#/ft J55 8RD EUE "B" condition tubing (4803.16') landed @ 4813.16'. Drifted all tubing. ND BOP. NU tree. Pumped out expendable check with 1600 psi air pressure. Flowed well to pit for 1/2 hr to pit. RD. Prep to MO. FINAL REPORT. |

NOTE: PBD ON THIS WELL IS @ 5240' +/- . THERE IS A HALLIBURTON WRB (WIRELINE SET-TUBING RETRIEVE) PLUG IN THE HOLE SET IN THE 5-1/2" CASING @ 5300' BY WL. THE WRB PLUG HAS 2 SXS SAND ON TOP OF IT WITH FILL FROM DRILLING OUT CEMENT AND RUNNING A CASING SCRAPER IN THE HOLE. KRIS JONES WITH HALLIBURTON (505-320-0587) IS THE TOOL HAND THAT RAN THE PLUG AND BLUE JET IS THE COMANY THAT SET THE WRB.