

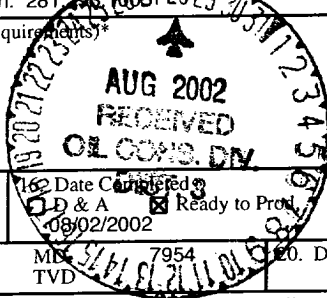
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
CONT 105

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. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CONOCO INC.		8. Lease Name and Well No. JICARILLA A 15B	
3. Address P.O. BOX 2197 DU 3066 HOUSTON, TX 77252		9. API Well No. 30-039-26912	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface NENE 660FNL 660FEL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BASIN DAKOTA	
14. Date Spudded 06/07/2002		15. Date T.D. Reached 06/23/2002	
18. Total Depth: MD 8042 TVD		19. Plug Back T.D.: MD 7954 TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TDT, GR/CCL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	



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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J-55	36.0	0	500		300		0	
7.875	4.500 J-55	11.6	13	7554		1080		0	
7.875	4.500 P-110	11.6	7554	8036		1080		0	

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	7870							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN DAKOTA	7866	7920	7866 TO 7920		35	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7866 TO 7920	FRAC W/65Q 3000 SPECTRA G, 50,000# 20/40 SAND, 857,000 SCF N2, 911 BBLs FLUID

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
08/05/2002	08/02/2002	24	→	1.0	462.0	40.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	SI 200	450.0	→					PGW	

28a. 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.	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 #13761 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

OCD FYI

NO BLM

## 28b. Production - Interval C

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	

## 28c. Production - Interval D

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	

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	2932
				FRUITLAND FMA	3244
				PICTURED CLIFFS	3534
				LEWIS	3706
				HUERFANITO BENT	4005
				CHACRA	4477
				CLIFFHOUSE	5200
				MENEFEE	5316
				POINT LOOKOUT	5684
				MANCOS	6176
				U GALLUP	6808
				TOCITO	7242
				SANOSTEE	7332
				GREENHORN	7633
				GRANEROS	7694

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

This well is a downhole commingled well producing from the Basin Dakota and Blanco Mesaverde. Daily summaries are attached.

4.5 inch casing was cemented in 3 stages. Two grades of casing were used in production casing. 1080sxs of cement were used for entire job on production casing.

## 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 #13761 Verified by the BLM Well Information System.  
For CONOCO INC., sent to the Rio Puerco

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 08/22/2002

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

# Daily Summary

API/UWI 300392691200	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMMP-26N-4W-14-A	N/S Dist. (ft) 660.0	N/S Ref. N	E/W Dist. (ft) 660.0	E/W Ref. E
Ground Elevation (ft) 6839.00	Spud Date 6/7/2002	Rig Release Date 6/23/2002	Latitude (DMS) 36° 29' 31.1604" N	Longitude (DMS) 107° 12' 49.8312" W			

Start Date	Ops This Rpt
6/28/2002 00:00	HELD SAFETY MEETING. MIRU CIOL TBG.
6/29/2002 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" MILL & BAKER MOTOR ON 1 3/4" COIL TBG. TAGGED DV TOOL @ 3423. DRILLED OUT DV TOOL FROM 3423' TO 3425'. RIH & TAGGED DV TOOL @ 5570'. DRILLED OUT DV TOOL FROM 5570' TO 5572'. TAGGED FC @ 7484'. DRILLED OUT FC @ 7484' DOWN TO 8016'. CIRCULATED HOLE CLEAN W/ 2% KCL WATER. TESTED CSG TO 4800 #. HELD OK. POOH W/ COIL TBG. SWION
7/1/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. PRESSURED UP CSG TO 3000 #. RAN CBL LOG FROM 6100' TO 3120'. TOP OF CEMENT @ 4920'. RAN TDT LOG FROM 8015' TO 2900'. RAN GR/CCL LOG FROM 8015' TO SURFACE. PRESSURED TESTED 4 1/2" CSG TO 4800 #. HELD OK. RD SCHLUMBERGER.
7/5/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA W/ 3 1/8" 90 DEGREE SLECT FIRE PERFORATING GUN. PERFORATED FROM 7866'-7880 W/ 1 SPF, 7901'- 7920' W/ 1 SPF. A TOTAL OF 35 HOLES. RD BLUE JET.
7/9/2002 00:00	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE LOWER DAKOTA. TESTED LINES TO 6000 #. SET POP OFF @ 4560 #. BROKE DOWN FORMATION @ 9 BPM @ 3160 #. DROPPED 21 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 21 BALL SEALERS @ 20 BPM @ 2150 #. A TOTAL OF 42 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 4550 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 42 BALL SEALERS. PUMPED PRE PAD @ 36 BPM @ 3350 #. STEPPED DOWN RATE TO 33 BPM @ 2250 #. STEPPED DOWN RATE TO 28 BPM @ 2100 #. STEPPED DOWN RATE TO 16 BPM @ 1750 #. ISIP 1500 #. 5 MIN 1104 #. 10 MIN 932 #. 15 MIN 779 #. 20 MIN 651 #. 25 MIN 557 #. 30 MIN 470 #. FRAC'D THE LOWER DAKOTA W/ 65 Q 3000 SPECTRA FRAC G, 50,000 # 20/40 SANTROL SUPER LC SAND. 857,000 SCF N2 & 911 BBLs FLUID. AVG RATE 32 BPM. AVG PRESSURE 4262 #. MAX PRESSURE 4526 #. MAX SAND CONS 2 # PER GAL. ISIP 2350 #. FRAC GRADIENT .63. RU BLUE JET. RIH W/ 4 1/2" FRAC PLUG. SET PLUG @ 7813'. TESTED PLUG TO 4800 #. HELD OK. SWION.
7/10/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE UPPER DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7720' - 7736' W/ 1 SPF, 7760'- 7772' W/ 1 SPF. A TOTAL OF 30 HOLES. RU B J SERVICES. FRAC'D THE UPPER DAKOTA. TESTED LINES TO 6019 #. SET POP OFF @ 4580 #. BROKE DOWN FORMATION @ 8 BPM @ 1820 #. BULLHEAD 1000 GALS OF 15% HCL ACID @ 29 BPM @ 2550 #. FRAC'D THE UPPER DAKOTA W/ 65 Q 3000 SPECTRA FRAC G, 50,000 # 20/40 SANTROL SUPER LC SAND, 760,000 SCF N2 & 674 BBLs FLUID. AVG RATE 35 BPM. AVG PRESSURE 3815 #. MAX PRESSURE 4134 #. MAX SAND CONS 2 # PER GAL. ISIP 1750 #. FRAC GRADIENT .63. RU BLUE JET. RIH W/ 4 1/2" FRAC PLUG. SET PLUG @ 5780'. TESTED PLUG TO 4800 #. HELD OK. PERFORATED THE POINT LOOKOUT W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5688' - 5695' W/ 1 SPF, 5702' - 5706' W/ 1 SPF, 5718' - 5720' W/ 1 SPF, 5726' - 5736' W/ 1 SPF, 5750' - 5757' W/ 1 SPF. A TOTAL OF 38 HOLES. RU B J SERVICES. FRAC'D THE POINT LOOKOUT. TESTED LINES TO 6000 #. SET POP-OFF @ 4550 #. BROKE DOWN WELL FORMATION @ 11 BPM @ 890 #. DROPPED 22 BIO BALL SEALERS @ 1 BALL PER BBL & 2 BALLS PER BBL FOR REMAINING 24 BALL SEALERS @ 19 BPM @ 970 #. A TOTAL OF 46 BIO BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3800 #. SHUT DOWN FOR 1 HR. EST RATE. FRAC'D THE POINT LOOKOUT W/ 65 Q 25 # LINEAR FOAM, 100,000 # 20/40 BRADY SAND, 999,000 SCF N2, & 1010 BBL FLUID. AVG RATE 42 BPM. AVG PSI 2447 #. MAX PSI 2635 #. MAX SAND CONS 2 # PER GAL. ISIP 840 #. FRAC GRADIENT .48. SWI. RD BJ SERVICES. STARTED FLOWBACK ON WELL. SEE ATTACHMENT.
7/11/2002 00:00	FLOWBACK. SEE ATTACHMENT
7/11/2002 00:00	FLOWBACK SEE ATTACHMENT
7/12/2002 00:00	FLOWBACK. SEE ATTACHMENT
7/12/2002 00:00	FLOWBACK SEE ATTACHMENT
7/13/2002 00:00	FLOWBACK. SEE ATTACHMENT
7/13/2002 00:00	FLOWBACK SEE ATTACHMENT
7/23/2002 00:00	Road rig to location. Muddy roads, had to chain up. Spot rig and rig up. Spot equipment and spot drill gas compressors. Check well pressures. Csg - 1200 psi. Rig up pump and pit. Spot lay down tank. Rig up lines to tank. Blow well down. ND Frac Valve. NUBOP. SHUT DOWN
7/24/2002 00:00	Rig up ERC and test BOP'S - OK. Rig up lines to Drill Gas Compressors & Blowie lines to lay down tank. Rig up hand rails on the float. William's on location rigging up drill gas for compressors. Check well pressures. Csg - 1200 psi. Blow well down. RIH with 2 3/8" tubing with Metal Muncher Mill. Had to pick up tubing off the trailer in singles. Tally all tubing. Run 125 jts to 3950'. SHUT DOWN
7/25/2002 00:00	Check well pressures. Tbg - 500 psi. Csg - 500 psi. Blow well down. Kill tubing, and continue to RIH with 2 3/8" tubing. Tagged sand fill @ 5735'. Start drill gas compressors and unload well. Clean sand to 5760'. Had some MV Perf's covered. Well still making sand and fluid. Pump soap sweeps to allow well to clean up. Pull up to 5481'. SHUT DOWN

## Daily Summary

API/UWI 300392691200	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-26N-4W-14-A	N/S Dist. (ft) 660.0	N/S Ref. N	E/W Dist. (ft) 660.0	E/W Ref. E
Ground Elevation (ft) 6839.00	Spud Date 6/7/2002	Rig Release Date 6/23/2002	Latitude (DMS) 36° 29' 31.1604" N	Longitude (DMS) 107° 12' 49.8312" W			

Start Date	Ops This Rpt
7/26/2002 00:00	Check well pressures. Tbg - 1200 psi. Csg - 1200 psi. Blow well down. RIH and tagged sand fill @ 5750'. Started gas compressors and cleaned sand fill to 5760'. Pumped soap sweeps to allow well to clean up. Pulled 2 3/8" tubing up to 5540'. Rig up flow line and make well flow up the tubing. Installed 1/2" choke nipple. Tested Mesa Verde formation as follows. 2 3/8" tubing @ 5540'. Flowing thru 1/2" choke nipple. Tbg - 130 psi. Csg - 220 psi. MCFPD = 858. Oil - 1/2 BBL. Water - 5 BBL. Test witnessed by Victor Barrios with Key Energy. SHUT DOWN
7/29/2002 00:00	Check well pressures. Csg - 1150 psi. Tbg - 1150 psi. Blow well down. RIH and tagged sand fill @ 5760'. Rig up power swivel and start 2 drill gas compressors. Clean sand fill to Frac Plug @ 5780'. Drill up Frac Plug @ 5780'. Circulated well to clean up. Well flowed back approx 200 bbls. Pulled up to 5501'. SHUT DOWN
7/30/2002 00:00	Check well pressures. Tbg - 1000 psi. Csg - 1100 psi. Blow well down. RIH and tagged sand fill @ 7740'. Rig up power swivel and unload well. Cleaned sand to frac plug @ 7813'. Pumped soap sweep and drilled up frac plug @ 7813'. Well started making heavy fluid and sand. Pumped soap sweeps to allow well to clean up. Pulled up to 7333'. SHUT DOWN
7/31/2002 00:00	Check well pressures. Tbg - 900 psi. Csg - 1050 psi. Blow well down. RIH and tagged sand fill @ 7903'. Pick up power swivel and start 2 drill gas compressors and cleaned sand fill to PBTD @ 8005'. POOH with Metal Muncher Mill and 253 jts of 2 3/8" tubing. RIH with Mule Shoe Collar, SN and 232 jts of 2 3/8" tubing ( 7355' ). Start 2 drill gas compressors and unload well. SHUT DOWN
8/1/2002 00:00	Check well pressures. Tbg - 980 psi. Csg - 1100 psi. Blow well down. RIH and tagged sand fill @ 7990'. Start 2 drill gas compressors and cleaned sand fill to PBTD @ 8005'. Pumped soap sweeps, well still making heavy water and light sand. Still making too much water for good test. Pull up to 7870' with 249 jts. SHUT DOWN
8/2/2002 00:00	Check well pressures. Tbg - 1000 psi. Csg - 1150 psi. Blow well down. Unload well. Test Dakota zone as follows. With 2 3/8" tubing @ 7870', flowed well thru 1/2" choke nipple. Tbg - 200 psi. Csg - 450 psi. This is the combined MV/DK test. Deducting the MV the Dakota tested as follows. MCFPD = 462. Oil = 1 BBL. Water = 40 BBLs. 2 3/8" tubing @ 7870'. Test witnessed by Victor Barrios with Key Energy. SHUT DOWN