

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**

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			Contact: DEBORAH MARBERRY E-Mail: deborah.a.marberry@conoco.com		
3. Address    PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197			3a. Phone (include area code) Ph: 281.283.1005		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface    SESE 835FSL 1200FEL At top prod interval reported below At total depth			8. Lease Name and Well No. LACKEY B LS 16M		
14. Date Spudded 04/26/2002			15. Date T.D. Reached 05/03/2002		
18. Total Depth:    MD    6740 TVD			19. Plug Back T.D.:    MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 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)		
5. Lease Serial No. NMSF077106			9. API Well No. 30-045-30903-00-C2		
10. Field and Pool, or Exploratory BASIN			11. Sec., T., R., M., or Block and Survey or Area    Sec 20 T28N R9W Mer NMP		
12. County or Parish SAN JUAN			13. State NM		
17. Elevations (DF, KB, RT, GL)* 5914 GL			Date Completed 05/26/2002 <input checked="" type="checkbox"/> Ready to Read.		

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	519		310		0	
7.875	4.500 J-55	11.0	0	6733		1545		3866	

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	6485							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4226	4502	4226 TO 4502		43	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4226 TO 4502	FRAC W/SLICK FOAM, 130,000# 20/40 SAND, 1,264,000

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
05/26/2002	05/28/2002	24	➡	10.0	274.0	10.0			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		120.0	➡					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 SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			➡						

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

ELECTRONIC SUBMISSION #12768 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**NMOCD**

**ACCEPTED FOR RECORD**

JUL 22 2002

**FARMINGTON FIELD OFFICE**

BY

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.)  
**FLARED**

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
NACIMIENTO OJO ALAMO	0	1029		OJO ALAMO	1096
	1029	1189		KIRTLAND	1230
				FRUITLAND	1810
				PICTURED CLIFFS	2106
				MESAVERDE	2258
				CHACRA	3070
				CLIFF HOUSE	3743
				MENEFEE	3785
				POINT LOOKOUT	4398
				MANCOS	4803
				GALLUP	5585
				GREENHORN	6355
				DAKOTA	6428

32. Additional remarks (include plugging procedure):

This well is a downhole commingled well producing in the Blanco Mesaverde and Basin Dakota. This well was also tested to sales. Attached are the daily summaries.

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 #12768 Verified by the BLM Well Information System.  
For CONOCO INC, sent to the Farmington  
Committed to AFMSS for processing by Adrienne Garcia on 07/22/2002 (02AXG0386SE)**

Name (please print) DEBORAH MARBERRY Title SPECIALIST

Signature (Electronic Submission) Date 07/15/2002

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

## Daily Summary

API/UWI 300453090300	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-9W-20-O	N/S Dist. (ft) 835.0	N/S Ref. S	E/W Dist. (ft) 1200.0	E/W Ref. E
Ground Elevation (ft) 5914.00	Spud Date 4/26/2002	Rig Release Date 5/3/2002	Latitude (DMS) 36° 38' 32.7588" N	Longitude (DMS) 107° 48' 23.3388" W			

Start Date	Ops This Rpt
5/9/2002 00:00	HELD SAFETY MEETING. MIRU. OPENED UP WELL. CSG PRESSURE 0 #. NDWH. NUBOP. TESTED BOP TO 250 # & 5000 #. BOTH PIPE & BLIND RAMS. HELD OK. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED CEMENT @ 3866'. 66' OF CEMENT ON TOP OF DV TOOL. SWION.
5/10/2002 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED CEMENT @ 3866'. 67' OF CEMENT. DRILLED OUT CEMENT AND DV TOOL @ 3933'. RIH & TAGGED CEMENT @ 6505'. 40' OF CEMENT. DRILLED OUT CEMENT DOWN TO PBDT @ 6545'. CIRCULATED WELL CLEAN W/ 2 % KCL WATER. SWION.
5/11/2002 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. LAID TBG DOWN ON FLOAT. NDBOP - NU FRAC VALVE. RD MO.
5/13/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. RAN TDT LOG FROM 6632' TO 900'. RAN GR/ CCL LOG FROM 6632' TO SURFACE. RD SCHLUMBERGER.
5/16/2002 00:00	Road rig to location. Parked on location. SHUT DOWN
5/17/2002 00:00	Rig up unit and equipment. ND Frac valve & NUBOP. Pick up 212 jts of 2 3/8" tubing in singles. Tagged float collar @ 6645'. Picked up swivel and drilled out Float Collar @ 6645'. Drilled cement to 6727'. Circulate well clean. Lay down power swivel. Lay down 100 jts. of 2 3/8" tubing in singles. SHUT DOWN
5/18/2002 00:00	Continue to lay down 2 3/8" tubing. Layed down 113 jts. of 2 3/8" tubing. NDBOP & NU Frac Valve. Rig down Unit and equipment. Park at edge of location. SHUT DOWN
5/20/2002 00:00	Rigged up Blue Jet Mast truck & Logging unit. Ran Gamma Ray strip log from 6724' to 6397'. Rigged down Blue Jet. Sent log to Houston for evaluation. SHUT DOWN
5/23/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 6489' - 6495' W/ 1 SPF, 6538' - 6650' W/ 1 SPF, 6574' - 6578' W/ 1 SPF, 6588' - 6590' W/ 1 SPF, 6597' - 6601' W/ 1 SPF, 6612' - 6615' W/ 1 SPF, 6627' - 6632' W/ 1 SPF, 6658' - 6672' W/ 1 SPF. A TOTAL OF 58 HOLES. SWION. RD BLUE JET.
5/24/2002 00:00	HELD SAFETY MEETING. RU HALLIBURTON. FRAC'D THE DAKOTA. TESTED LINES TO 4800 #. SET POP OFF @ 3880 #. BROKE DOWN FORMATION @ 7 BPM @ 2837 #. DROPPED 35 BALL SEALERS IN 500 GALS OF 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 35 BALL SEALERS @ 20 BPM @ 2690 #. A TOTAL OF 70 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3700 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 70 BALL SEALERS. PUMPED PRE PAD @ 39 BPM @ 3739 #. STEPPED DOWN RATE TO 27 BPM @ 2900 #. STEPPED DOWN RATE TO 17 BPM @ 2150 #. STEPPED DOWN RATE TO 8 BPM @ 1775 #. ISIP 1400 #. 5 MIN 884 #. 10 MIN 641 #. 15 MIN 403 #. 20 MIN 250 #. 25 MIN 158 #. 30 MIN 88 #. FRAC'D THE DAKOTA W/ SLICKWATER, 80,000 # 20/40 BRADY SAND & 3137 BBLs FLUID. AVG RATE 62 BPM. AVG PSI 3234 #. MAX PRESSURE 3733 #. MAX SAND CONS 1 # PER GAL. ISIP 1750 #. FRAC GRADIENT .62. RU BLUE JET. RIH W/ 4 1/2" CIBP PLUG. SET PLUG @ 4726'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE POINT LOOKOUT & LOWER MENEFEW W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4226'-4232' W/ 1 SPF, 4314'-4318' W/ 1 SPF, 4375'-4379' W/ 1 SPF, 4420'-4438' W/ 1/2 SPF, 4450'-4472' W/ 1/2 SPF, 4496'-4502' W/ 1/2 SPF. A TOTAL OF 43 HOLES. FRAC'D THE POINT LOOKOUT & LOWER MENEFEW. TESTED LINES TO 5500 #. SET POP OFF @ 3900 #. BROKE DOWN FORMATION @ 18 BPM @ 3313 #. DROPPED 26 BALL SEALERS @ 1 BALL PER BBL & 2 BALLS PER BBL FOR THE REMAINING 26 BALL SEALERS @ 20 BPM @ 2277 #. A TOTAL OF 52 BALLS. GOOD BALL ACTION. BALLED OFF @ 3790 #. RU BLUE JET. RIH W/ JUNK BASKET RETRIEVED 47 BALL SEALERS. PUMPED PRE PAD @ 40 BPM @ 2958 #. STEPPED DOWN RATE TO 22 BPM @ 1150 #. STEPPED DOWN RATE TO 14 BPM @ 581 #. ISIP 0 #. FRAC'D THE POINT LOOKOUT & LOWER MENEFEW W/ SLICK FOAM, 130,000 # 20/40 BRADY SAND, 1,264,000 SCF N2 & 1216 BBLs FLUID. AVG RATE 65 BPM. AVG PSI 2248 #. MAX PSI 2465 #. MAX SAND CONS 2 # PER GAL. ISIP 1340 #. FRAC GRAIDENT .43. RD HALLIBURTON.
5/25/2002 00:00	24 Hour Flowback Test.
5/26/2002 00:00	24 Hour Flowback Test.
5/26/2002 00:00	24 Hour Flowback Test.
5/27/2002 00:00	24 Hour Flowback Test.
5/28/2002 00:00	FLOW BACK TEST ON THE POINT LOOKOUT & LOWER MENEFEW. WELL FLOWING UP 4 1/2" CSG @ 120 PSI. 274 MCFPD. 10 BOPD. 10 BWPD. TEST WITNESSED BY SAM McFADDEN & MIKE FORD WITH TETRA. PERFS @ 4226' TO 4502'. WENT TO SALLES @ 5/26/2002 @ 9: 00 AM.
6/7/2002 00:00	HELD SAFETY MTG. SICP=525#.MI and perform LO/TO. RU unit and equipment.Kill csg. ND master valve.Set hanger w/ bull plug. NU BOP. RU wood group and test BCP: 250# low test, 5000# high test. Test was good.RU blooie lines and air package lines. Secure well and SDFN.

## Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300453090300	SAN JUAN	NEW MEXICO	NMPM-28N-9W-20-O	835.0	S	1200.0	E
Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
5914.00	4/26/2002	5/3/2002	36° 38' 32.7588" N	107° 48' 23.3388" W			

Start Date	Ops This Rpt
6/10/2002 00:00	Held safety mtg. SICP=800#. Bleed well down. PU 3 7/8" mill, bit sub and 100jts 2 3/8" tbg. unload hole. Continue in hole w/ 40 jts and tag fill @ 4420'. 82' perms covered up. C/o to 4547'. Circulate clean, well making a considerable amount of sand. Pull above perms, secure well and SDFN.
6/11/2002 00:00	Held safety mtg, SICP=600#. Bleed well down .TIH w/5 stands and tag fill 4587'. (40' fill over night).Build air mist and C/O to 6645'. Circulate clean rest of day . PUH above perms . Secure well and SDFN, Well making 3.5 bbl water and 5 gal bucket of sand per hr.
6/12/2002 00:00	SAFETY STAND DOWN FOR AIR HANDS. RIG IS SHUT DOWN FOR REST OF DAY.
6/13/2002 00:00	Held safety mtg.SICP=620# Bleed well down. TIH w/ 6 jts and did not tag fill. PUH to 4220' and test MV perms. TEST IS AS FOLLOWS: MV PERFS TESTED ARE: 4226'-4502' TBG. SET @ 4220' TESTED W/ 1/2" CHOKE. FTP= 170# SICP= 350# MV PRODUCTION= 1122 MCFPD 1 BOPD 0 BWPD 0 BCPD O SAND PRODUCTION TEST WITNESSED BY N. PARRA W/ KEY ENERGY SERVICES Secure well and SDFN.
6/14/2002 00:00	Held safety mtg. SICP=550#. Bleed well down. TIH and tag fill @ 4696'. ( 30' fill ) C/O to and drill plug @ 4726'. TIH w/ 51 jts and tag fill @ 6378'.(267' fill). C/O to 6424'. circulate clean.PUH 68 jts to get above MV perms. Secure well and SDFN. Well making 1/2 bucket of sand per 5 gal bucket.
6/17/2002 00:00	SICP=600# . Held safety mtg. Bleed well down . TIH w/ 54 jts 2 3/8" tbg. and tagged fill @ 6637 ' (90' fill w/ bottom 35' of perms covered). Build air mist and C/O to 6727' ( PBTD). Circulate clean. POOH w/67 jts tbg. to get above MV.Get flowing up tbg. and let flow over night w/ dry watch. Starting FTP. is 180#
6/18/2002 00:00	Held safety mtg. SICP=400#, FTP=110#. Well made light sand and light mist w/ traces of oil. Bleed well down. POOH w/ 140 jts 2 3/8" tbg. LD bit sub and mill. PU MS/SN and TIH. Tagged sand @ 6650'. Build air mist and C/O to PBTD of 6722'. Circulate clean. PUH 5 jts. and get flowing up tbg. on a 1/2" choke. Turn over to dry watch to flow over night. Starting FTP=60#.
6/19/2002 00:00	Helld safety mtg. SICP=360#, FTP=120#. TIH and check for fill. Tagged @ 6636' (86" fill). Build air mist and C/O to pbtd. Circulate clean. PUH to 6484' and let flow up tbg. on 1/2" choke. Leave w/ dry watch overnight. Starting pressure- SICP- 315#, FTP- 95#.
6/20/2002 00:00	Held safety mtg. Check psi. SICP-300#, FTP- 100#. Bleed down csg. Kill tbg. w/ 5 bbl water TIH and check for fill , 18' fill. Build air mist and Clean out to PBTD.POOH w/ 8 jts and land tbg.w/ 204 jts 2 3/8' @ 6485' w/kb. ND BOP, NU well head. Get flowing up tbg. and DHC TEST. TEST IS AS FOLLOWS: PERFERATED INTERVAL-DK= 6489'-6672' MV= 4226' - 4502' 2 3/8" TBG. LANDED @ 6485' W/KB. TESTED ON 1/2" CHOKE. SICP=400# FTP= 135# PRODUCTION= 891 MCFPD 1/2 BWPD 2 BOPD 0 BCPD O SAND PRODUCTION. TEST WITNESSED BY F. LOPEZ W/ KEY ENERGY SERVICES RD unit and equipment. Turn over to operator and EPNG for production. FINAL REPORT