

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.  
NMSF078565A

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. NMNM78413C	
2. Name of Operator CONOCO INC		8. Lease Name and Well No. SJ 28-7 261M	
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		9. API Well No. 30-039-26540-00-X1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SENW 1510FNL 1475FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BASIN DAKOTA	
14. Date Spudded 04/22/2001		11. Sec., T., R., M., or Block and Survey or Area Sec 5 T27N R7W Mer NMP	
15. Date T.D. Reached 05/03/2001		12. County or Parish RIO ARRIBA	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/24/2001		13. State NM	
17. Elevations (DF, KB, RT, GL)* 6774 GL			
18. Total Depth: MD 7710 TVD		19. Plug Back T.D.: MD 7697 TVD	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J-55	36.0		285		310		0	
8.750	7.000 J-55	20.0		3802		624		0	
6.250	4.500 J-55	11.0		7731		368		1800	

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	5280							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7512	7666	7512 TO 7666		45	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
7512 TO 7666	FRAC W/85,500# 20/40 SAND & 47,720 2% KCL WATER

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
08/22/2001	08/22/2001	24	→	1.0	2013.0	5.0			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	305	560.0	→					GSI	

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 #7924 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMOCD

OFFICIAL

## 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
SAN JOSE	0	1059		OJO ALAMO	2309
NACIMIENTO	1059	2353		FRUITLAND	3014
OJO ALAMO	2353	2515		PICTURED CLIFFS	3277
				MESAVERDE	3677
				KIRTLAND	4235
				CHACRA	4246
				CLIFF HOUSE	4873
				MENEFEE	5052
				POINT LOOKOUT	5524
				GALLUP	6700
				GREENHORN	7442
				DAKOTA	7529

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

This well is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota.

Daily summaries are attached to the Dakota completion.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)  
5. Sundry Notice for plugging and cement verification

2. Geologic Report  
6. Core Analysis

3. DST Report  
7 Other:

4. Directional Survey

## 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 #7924 Verified by the BLM Well Information System.  
For CONOCO INC, sent to the Farmington  
Committed to AFMSS for processing by Lucy Bee on 10/17/2001 (02LXB0187SE)

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACT

Signature \_\_\_\_\_ (Electronic Submission)

Date 10/12/2001

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 \*\***

Revisions to Operator-Submitted EC Data for Well Completion #7924

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMSF 078496	NMSF078565A
Agreement:		NMNM78413C
Operator:	CONOCO INC. P.O. BOX 2197 DU 3066 HOUSTON, TX 77252 Ph: 281.293.1005	CONOCO INC PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197 Ph: 281.293.1613
Admin Contact:	DEBORAH MARBERRY SUBMITTING CONTACT E-Mail: deborah.moore@usa.conoco.com  Ph: 281.293.1005 Fx: 281.293.5466	DEBORAH MARBERRY SUBMITTING CONTACT E-Mail: deborah.moore@usa.conoco.com  Ph: 281.293.1005 Fx: 281.293.5466
Tech Contact:		
Well Name:	SAN JUAN 28-7	SJ 28-7
Number:	261M	261M
Location:		
State:	NM	NM
County:	RIO ARRIBA	RIO ARRIBA
S/T/R:	Sec 5 T27N R7W Mer NMP	Sec 5 T27N R7W Mer NMP
Surf Loc:	SENW 1510FNL 1475FWL	SENW 1510FNL 1475FWL
Field/Pool:	BASIN DAKOTA	BASIN DAKOTA
Logs Run:	CBL/GR/CCL	CBL GR CCL
Producing Intervals - Formations:	BASIN DAKOTA	DAKOTA
Porous Zones:	OJO ALAMO	SAN JOSE NACIMIENTO OJO ALAMO
Markers:	OJO ALAMO KIRTLAND FRUITLAND FM PICTURED CLIFFS LEWIS CHACRA CLIFFHOUSE MENELEE POINT LOOKOUT GALLUP GREENHORN TWO WELLS PAGUATE CUBERO	OJO ALAMO FRUITLAND PICTURED CLIFFS MESAVERDE KIRTLAND CHACRA CLIFF HOUSE MENELEE POINT LOOKOUT GALLUP GREENHORN DAKOTA

## Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392654000	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-5-F	1510.0	N	1475.0	W
KB Elev (ft)	Ground Elev (ft)	Plug Back Total Depth (ftKB)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)	
6787.00	6774.00	7,730.0	4/21/2001	4/30/2001	36° 36' 23.8032" N	107° 35' 59.5824" W	

Start	Ops This Rpt
6/2/2001	Held safety mtg. RU schlumberger wireline mast truck. PU CBL tools and RIH. Tagged @ 7700'. Pressure up to 1200#. Run CBL/GR/CCL from 7700' to 1400'. TOC @ 1800' w/ stringers to 1650'. POOH w/ wire line. Test csg. to 4100#. Bleed down. PU TDT tools. RIH and pull log from 7700' to 2300'. POOH w/wireline. and RD. RU master valve. Secure well and SDFN.
6/25/2001	Held safety mtg. RU Bluejet wireline and mast truck. RD master valve & RU lubricator. PU 3 1/8" csg. hole guns w/ 12g 306T 90° PP charges and RIH and perforate DK sands as follows: 7512'-7514', 7526'-7544', 7562'-7564', 7612'-7617', 763'-7666'. 45 tot shots and all are 1 spf. RU Stinger isolation tool. RU BJ Services frac unit. Pressure test lines to 4800#, set pop-off @ 3800#. Break formation @ 3600#, pump 17 bpm & 2200#. S/D St. 15% hcl and 54 7/8" 1.3 sg. ballsealers. @ 16 bpm & 2851#. Showed good ball action and balled off @ 3800#. RD BJ. POOH w/isolation tool. RU wireline junk basket and RIH and retrieve 54 balls w/ 36 hits. RU isolation tool & BJ. Re-test lines and pop-off. St. step test @ 33 bpm & 3550#, step to 22 bpm & 2450#, step to 12 bpm & 1700#, S/D. ISDP= 1350#, FG= .61 psi/ft. Leak off is as follows: 5min= 980#, 10 min= 916#, 15 min= 650#, 20 min= 580#. St. 30# x1 Spectra G pad @ 43 bpm & 2900#. St. .5# @ 42 bpm & 2800#. St. 1# @ 42 bpm & 2750#. St. 2# @ 42 bpm & 2650#. St. 3# @ 42 bpm & 2500#. St. 4# @ 42 bpm & 2500#. St. 5# @ 42 bpm & 2700#. Flush w/116 bbl @ 40 bpm. ISDP= 2250#. AV rate= 42 bpm. AV psi= 2800#. ToT sand = 85,500# 20/40 TLC.resin coated sand. FTR=1325 bbl, Sand laden = 900 bbl. RD Service companys. RU Master Valve. Secure well and SDFN.
6/26/2001	Held safety mtg. RU Blue jet wireline. PU Halliburton 4.5" comp plug and RIH and set @ 5750'. POOH w/ wireline. RU BJ Services and pressure test plug to 4200#. PU 3 1/8" select fire guns w/ 12g, 306T 90° pp charges and RIH and perforate MV. sands(PLO/MEN/CH) as follows: 4936'-4940', 4994'-5002', 5024'-5030', 5162'-5168', 5310'-5315', 5349'-5353', 5405'-5408', 5514'-5526', 5550'-5560', 5590'-5596'. for 50 tot holes. POOH w/ wireline. RU Bj. and st. b/d. Formation broke @2000#.S/D and st. 15% hcl and 75 7/8" 1.3sg ball sealers.flush @ 22 bpm & 460#. Showed some ball action and did not ball off. Max psi seen was 3200#.PU wireline junkbasket and RIH and retrieve 35 balls w/28 hits. RU BJ and re-test lines and check pop-off. St. step test and we had to pump 45 bpm to have positive pressure. FG=.33 psi/ft, skipped rest of step test and started slick water pad @ 81 bpm & 3100#. St. 5# @ 81 bpm & 3150#. St. 1# @ 80 bpm & 2950#. St. 2# @ 82 bpm & 3046#. 860 bbl into 2# a chicksan started spraying and we had to shut down. Changed out chicksan and got back into job 160 bbl into it agin we had to shut down to replace a "o" ring. Replaced and got back into job showing the same frac gradient as before shut down. FG=.45 psi/ft.76 bpm & 2300#. St 2.5# @ 66 bpm And accquired another leak w/ 163,000# sand counted. Flushed job and S/D. ISIP=0#.TOT sand 164,271# 20/40 brady.Tot fluid to recover= 4133 bbl, Sand laden fluid=2941 bbl. AV rate= 75 bpm, AV psi= 2600#. RD service companys and secure well and SDFN.
8/13/2001	Held safety mtg. SICP=1000# MI and spot equipment. RU unit and equip. ND wellhead and NU BOP. RU Quadco to test BOP Blind rams leaking. pipe rams held good. Call for new blind rams.RU blewie line and air unit. Secure well and SDFN.
8/14/2001	Held safety mtg.Kill well w/60 bbl water. C/O blind rams. Test to 250# w/ quadco. Door rubbers are leaking. Wait on new rubbers from key. Repair rubbers and test Blinds to 250# low side and 5000# on the high. Test was good.Kill well and remove donut. PU notched collar anc TIH w/74 jts tbg. and unload well.making sard. Circulate clean. Secure well and SDFN.
8/15/2001	Held safety mtg. SICP=1000# Bleed csg. down and kill tbg.TIH picking up w/ 101 jts 2 3/8" tbg.Tagged fill @ 5523'. Clean out to 5660'. Blow well clean.TOOH w/ 13 jts. Secure well and SDFN. WELL MAKING A CONSIDERABLE AMOUNT OF SAND.
8/16/2001	Held safety mtg.SICP=950# Bleed csg. down and kill tbg.TIH w/24 jts 2 3/8" tbg.& tag fill @ 5640'. clean out to plug.(5750'). POOH w/ 15 jts. and get flowing up the tbg.Test MV perfs as folows: TOP PERF= 4936' BOTTOM PERF= 5596' 2 3/8" TBG. SET @ 5280' W/KB TESTED W/ 1/2" CHOKE. COEFFICIENT= 6.6 SICP=520# FLOWING TBG. PSI= 325# PRODUCTION= 2145 MCFPD 5 BWPD O BOPD O CONDENSATE LIGHT SAND. TEST WITNESSED BY T.MONK W/ KEY ENERGY SERVICES Bleed csg down . kill tbg. TOO H w/ 167 jts. and LD notch collar. PU 3 7/8" junk mill ,& bit sub . TIH w/155 jts. 2 3/8" tbg. Secure well and SDFN.
8/17/2001	Held safety mtg.SICP=850# Bleed csg. down , kill tbg.TIH w/ 23 jts tbg. & tag fill @ 5603'. Well made 147' of fill over night. Clean out to plug @ 5750'. Blow well clean. TOO H w/ 28 jts. tbg. Secure well and SDFN.
8/18/2001	Held safety mtg.SICP=800#. Bleed csg. down and kill tbg. TIH w/ 28 jts tbg. Tag fill @ 5736'. 14 ft. fill over night.Clean out to plug . RU swivel and drill plug @ 5750' Circulate clean. TOO H w/ 28jts. Secure well and SDFN.
8/20/2001	Held safety mtg. SICP=1000#. Bleed csg. down and kill tbg. TIH w/ 87 jts tbg. Tag fill @ 7614', clean out 116' fill to PBTD of 7730'. Circulate clean. TOO H w/244 jts 2 3/8" tbg., bit sub and 3 7/8" mill and LD. PU,MS,SN, and TIH w/ 132 jts 2 3/8" tbg.Secure well and SDFN.
8/21/2001	RIG SD FOR LEADERSHIP TRAINING.

## Daily Summary

API	300392654000	County	RIO ARRIBA	State/Province	NEW MEXICO	Surface Legal Location	NMPM-27N-7W-5-F	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
KB Elev (ft)	6787.00	Ground Elev (ft)	6774.00	Plug Back Total Depth (ftKB)	7,730.0	Spud Date	4/21/2001	Rig Release Date	4/30/2001	Latitude (DMS)	Longitude (DMS)
										36° 36' 23.8032" N	107° 35' 59.5824" W

Start	Ops This Rpt
8/22/2001	<p>Held safety mtg. SICP=1000#. Bleed csg. down and kill tbg. TIH w/112 jts 2 3/8" tbg. Tagged fill @ 7725'. ( 5' fill ). Cleaned out to PBTD of 7730'. Circulated clean. TOOH and LD 4 jts tbg. and land well @ 7599' w/kb. RD, blewie T, and BOP's. RU master valve. Get flowing up tbg. w/air. Get 4 hr stabilized DHC test. Test is as follows:</p> <p>TESTING DK/MV DHC.</p> <p>TOP PERF=4936'</p> <p>BOT PERF= 7666'</p> <p>TBG. LANDED @ 7599' W/KB</p> <p>TESTED ON 1/2" CHOKE W/ COEFICIENT OF 6.6</p> <p>FLOWING TBG. PSI= 305</p> <p>SICP= 560</p> <p>PRODUCTION=2013 MCFPD</p> <p>1 BOPD</p> <p>5 BWPD</p> <p>0 BCPD</p> <p>0 SAND</p> <p>TEST WITNESSED BY T. MONK W/KEY ENERGY SERVICES</p> <p>Notified houston engineering of the lower DHC test. We will be running a spinner survey on 8/23/2001 to allocate the DK/MV gas. ND wellhead, NU BOP, and stripper head. Bleed csg. down. Kill tbg. POOH w/10 jts 2 3/8" tbg. and hang off @ 7283' w/kb. ( 229' ) above top DK perf. Secure well and SDFN. Waiting for production log.</p>
8/23/2001	<p>Held safety mtg. SICP= 1000#. Teft teller slickline unit. PU protechnics production log tools and RIH and pull production log over the DK interval. POOH w/tools. RD Protechnics and slick line. TIH w/10 jts. 2 3/8" tbg. and land well back @ 7599' w/kb. RD BOP, RU well head. and get flowing up the tbg. RD blewie line, RD pump and equipment. RD unit, and air package. Secure well and SDFN.</p> <p>DAKOTA GAS ALLOCATION WILL BE DETIRMINED FROM PRODUCTION LOG. THE DATA WILL BE PROCESSED AND SENT TO HOUSTON ENGINEERING. WHEN DATA IS RELAYED BACK IT WILL BE PUT INTO THE DAILY REPORT.</p>
8/24/2001	<p>Held safety mtg. RD unit and equipment. MO. Turn over to operator and EPNG. THIS WELL IS WAITING FOR FACILITY'S TO BE BUILT. START DATE IS 8/24/2001. IT SHOULD TAKE 3 DAYS TO COMPLETE AND THEN SHOULD BE READY FOR FIRST DELIVERY. ( APROX. 8/29/2001 )</p>