

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		5. Lease Serial No. NMSF078496	
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 _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CONOCO INC		8. Lease Name and Well No. SAN JUAN 28-7 UNIT 189F	
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		9. API Well No. 30-039-26692-00-X1	
3a. Phone No. (include area code) Ph: 281.293.1613		10. Field and Pool, or Exploratory BASIN DAKOTA	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 2460FNL 2280FEL At top prod interval reported below At total depth		11. Sec., T., R., M., or Block and Survey or Area Sec 35 T28N R7W Mer NMP	
14. Date Spudded 07/08/2001		15. Date T.D. Reached 07/14/2001	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/09/2001		17. Elevations (DF, KB, RT, GL)* 6115 GL	
18. Total Depth: MD 7255 TVD		19. Plug Back T.D.: MD 7235 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) THERMALDECAYTIM CEMENTBOND	
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		299		135		0	
8.750	7.000 J-55	20.0		3248		522		0	
6.250	4.500 J-55	11.0		7255		382		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	7133							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7030	7225	7030 TO 7225			
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7030 TO 7225	FRAC W/ SPECTRA FRAC 3000, 112,800# SUPER LC AND 1

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
08/15/2001	08/09/2001	24	→	1.0	1056.0	48.0			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"	160	650.0	→					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 #8480 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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## 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	638		OJO ALAMO	2028
NACIMIENTO	638	1941		KIRTLAND	2102
OJO ALAMO	1941	2084		FRUITLAND	2451
				PICTURED CLIFFS	2759
				MESAVERDE	3159
				CHACRA	3718
				CLIFF HOUSE	4418
				MENEFEE	4577
				POINT LOOKOUT	4999
				GALLUP	6236
				GREENHORN	6911
				DAKOTA	6980

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

This well has been completed in the Dakota. Please see attached daily summary for more detailed information.

## 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 #8480 Verified by the BLM Well Information System.  
For CONOCO INC, sent to the Farmington  
Committed to AFMSS for processing by Lucy Bee on 11/05/2001 (02LXB0286SE)

Name (please print) YOLANDA PEREZTitle COORDINATOR

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

Date 11/02/2001

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 #8480

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMSF078496	NMSF078496
Agreement:		
Operator:	CONOCO INC. P. O. BOX 2197, DU 3084 HOUSTON, TX 77252-2197 Ph: 281.293.1613	CONOCO INC PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197 Ph: 281.293.1613
Admin Contact:	YOLANDA PEREZ COORDINATOR E-Mail: yolanda.perez@usa.conoco.com  Ph: 281.293.1613 Fx: 281.293.5090	YOLANDA PEREZ COORDINATOR E-Mail: yolanda.perez@usa.conoco.com  Ph: 281.293.1613 Fx: 281.293.5090
Tech Contact:		
Well Name:	SAN JUAN 28-7 UNIT	SAN JUAN 28-7 UNIT
Number:	189F	189F
Location:		
State:	NM	NM
County:	RIO ARriba	RIO ARriba
S/T/R:	Sec 35 T28N R7W Mer NMP	Sec 35 T28N R7W Mer NMP
Surf Loc:	SWNE 2460FNL 2280FEL	SWNE 2460FNL 2280FEL
Field/Pool:	BASIN DAKOTA	BASIN DAKOTA
Logs Run:	THERMAL DECAY TIME, CEMENT BOND	THERMALDECAYTIM CEMENTBOND
Producing Intervals - Formations:	BASKIN DAKOTA	DAKOTA
Porous Zones:		SAN JOSE NACIMIENTO OJO ALAMO
Markers:	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS LEWIS CHACRA CLIFFHOUSE MENEFE POINT LOOKOUT GALLUP GREENHORN DAKOTA	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS MESAVERDE CHACRA CLIFF HOUSE MENEFE POINT LOOKOUT GALLUP GREENHORN DAKOTA

## Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392669200	RIO ARRIBA	NEW MEXICO	NMPM-28N-7W-35-G	2460.0	N	2280.0	E
KB Elev (ft)	Ground Elev (ft)	Plug Back Total Depth (ft)(B)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)	
6128.00	6115.00	7,255.0	7/8/2001	7/14/2001	36° 37' 5.8512" N	107° 32' 27.7908" W	

Start	Ops This Rpt
7/16/2001	Held safety mtg. RU expert DH, slick line truck. PU 3.75 guage ring and RIH and tag @ 7195' WLM. RD, secure well and SDFN.
7/23/2001	Held safety mtg. Spot unit and equipment and RU. ND master valve, NU BOP. PU 3 7/8" rock bit and bit sub, PU and TIH w/ 229 jts 2 3/8" tbg. Tag cement @ 7236'. RU swivel and D/O to 7246'. Tagged something hard @ 7240' and getting cast iron and rubber returns to pit. Contacted engineering and C. Moody said it was Weatherford LD plug. FC @ 7252'. Circulate clean and test csg. to 2000#. tested ok. RD swivel and TOOH laying down 55 jts. tbg. Secure well and SDFN.
7/24/2001	Held safety mtg. POOH w/ 174 jts 2 3/8" tbg., bit sub, bit and LD. RD BOP, RU master valve. RD equipment and unit. Secure well and SDFN. We will move back on well in 2 days for completion.
7/25/2001	Held safety mtg. RU schlumberger wireline and mast truck. PU TDT tools and RIH and tag at 7244'. Pull TDT/GR/CCL log from 7224' to 1800', continue GR/CCL to surface. LD TDT tools. PU CBL tools and RIH and tag @ 7244'. RU stinger psi pump and put 1000# pressure on csg. Pull CBL/GR/CCL log from 7224' to 1550'. TOC @ 1800'. Continue GR/CCL to surface. LD logging tools and RD. NU 7 1/16x5k frac valve. Psi test csg. Stinger could only get pressure to 2100# and was pumping into it. No visible surface leaks. Will PT w/ BJ services in the AM. Secure well and SDFN.
7/26/2001	Held safety mtg. RU BJ services acid pump. Test lines to 5500#. Start to test csg. Pressure walked up to 2036# and started pumping into a leak. Brought rate to 2.5 bpm & 2335#. A considerable size leak either in csg. or FC. Will be hole hunting ASAP. MI, spot and RU unit & equipment. RD master valve, RU BOP's. BOP developed hydraulic leak @ door pin. Wait for Key mechanic. Mechanic on loc @ 10:45am. Could not fix BOP. Called for new BOP. NU BOP, RU Quadco and test BOP to 250# low side & 5000# high side. RD Quadco. NU Blewie Tand line. PU 4.5" Halliburton PKR. and TIH w/ 115 jts 2 3/8" tbg. Test tbg. and is leaking 1.5 bpm @ 1700#. Test csg. above pkr and held 2500#. Bleed pressure off and release pkr. Secure well and SDFN.
7/27/2001	Held safety mtg. TIH w/ 113 jts and Set Pkr. @ 7228'. Test down tbg. and is leaking @ 1.5 bpm & 1650#. Test csg above pkr. and is holding @ 2500#. POOH w/ 114 stands and stand back. L3 4 1/2" pkr. Wait for wireline truck. 4:00 pm no truck available. Secure well and SDFN. Called BLM and talked to WAYNE TOWNSEND. TOLD HIM IF WE DUMPED THE REQUIRED AMOUNT OF CEMENT (50') ON TOP OF PLUG THAT WE WOULD LOOSE A BIG PORTION OF DAKOTA PAY. HE SAID WE COULD DUMP 1 BAILER RUN IF WE TEST PLUG PRIOR TO CEMENTING. THIS WAS AGREED UPON. HE SAID THE BLM WOULD WRITE A WAIVER RELEASING CONOCO FROM THE 50' MINIMUM. 10:30 AM.
7/28/2001	Held safety mtg. RU blue jet wireline. PU 4.5" CIBP and RIH and set @ 7236'. POOH w/ wireline and P/T to 4200#. Held test for 15 min w/ 0% leak-off. PU wireline dump bailer. RIH and tag plug @ 7236' wlm. Dump cement on top of plug. POOH w/ wireline and RD. Secure well and SDFN.
7/30/2001	Held safety mtg. RU blue jet wireline. PU 3 1/8" guns w/ 12g 3061 90° PP charges and RIH and perforate the DK sands as follows: 7030'-7042' w/ 1spf for 13 holes, 7046'-7066' w/ 5spf for 11 holes, 7140'-7152' w/ 5spf for 7 holes, 7183'-7186' w/ 1 spf for 4 holes, 7205'-7207' w/ 1spf for 3 holes. 7223'-7225' 1spf w/ 3 holes. TOT of 41 .34" holes. POOH w/ guns. RU BJ Services acid frac. PT lines to 4800#. B/D dk formation @ 2550# & 10 bpm. Pumped tot of 10.8 bbl. ISDP=1000#. Bleed csg. down. PU BHPG and PKR. and RIH and make 30 min stops at each of the three following stops. 7183', 7140, 7030'. Made stops from bottom up. PU and set plug @ 7020'. POOH w/ wireline and PT plug to 4000#. Test was good. RD service companys and release. Secure well and SDFN.
7/31/2001	Held safety mtg. Stand by for 72 hrs to POOH w/ BHPG.
8/1/2001	Held safety mtg. Stand by for 72 hrs to POOH w/ BHPG.
8/2/2001	Held safety mtg. PU retiving head and TIH w/ 220 jts 2 3/8" tbg. Wait for schlumberger to release pkr. Service rig. Secure well and SDFN.
8/3/2001	Held safety mtg. TIH w/ 4 jts. tbg. and latch onto pkr. Equilize pressure and POOH w/ 222 jts standing back. LD BHPG. Will send data to engineering ASAP. RU frac valve and frac head. Secure well and SDFN.
8/4/2001	HELD SAFETY MEETING. INSTALLED FRAC VALVE & FRAC HEAD.
8/6/2001	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 5100 #. SET POP OFF @ 3930 #. BROKE DOWN FORMATION @ 12 BPM @ 1950 #. DROPPED 24 BALL SEALERS IN 1000 GAL OF 15 % HCL ACID @ 1 BALL PER BBL & 2 BALLS PER BBL FOR 26 REMAINING BALLS @ 19 BPM @ 2450 #. A TOTAL OF 50 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3800 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 50 BALL SEALERS. RD BLUE JET. PUMPED PREPAD @ 32 BPM @ 3670 #. STEPPED DOWN RATE TO 19 BPM @ 2420 #. STEPPED DOWN RATE TO 12 BPM @ 1950 #. STEPPED DOWN RATE TO 7 BPM @ 1703 #. ISIP 1500 # - 5 MIN 1115# - 10 MIN 898 # - 15 MIN 783 # - 20 MIN 672 # - 25 MIN 583 # - 30 MIN 508 #. FRAC'D THE DAKOTA W/ SPECTRA FRAC 3000, 112,800 # 20/40 SUPER LC, 1625 BBLS FLUID. AVG RATE 42 BPM. AVG PRESSURE 3050 #. MAX PRESSURE 3200 #. MAX SAND CONS 5 # PER GAL. ISIP 2200 #. FRAC GRADIENT .65. RA TAGGED PAD W/ SCADIUM. RA TAGGED 1/2 # - 3 # SAND W/ ANTIMONY. RA TAGGED 5 # SAND W/ IRRIDIUM. RD B J SERVICES. SWI.
8/7/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 20 #. RIH W/ 2 3/8" TBG. TAGGED SAND @ 7220'. 33' OF FILL. RU DRILL AIR. CLEANED OUT FROM 7220' TO 7253' - PBTD. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 4 BBLS WATER PER HR AND NO SAND. PUH TO 7300'. SWION.
8/8/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 1800 #. RIH W/ 2 3/8" TBG. TAGGED @ 7235'. NO FILL. RU DRILL AIR. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 4 BBLS WATER PER HR AND NO SAND. PUH TO 7000'. SWION.

## Daily Summary

API 300392669200	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMMPM-28N-7W-35-G	NS Dist. (ft) 2460.0	NS Flag N	EW Dist. (ft) 2280.0	EW Flag E
KB Elev (ft) 6128.00	Ground Elev (ft) 6115.00	Plug Back Total Depth (ftKB) 7,255.0	Spud Date 7/8/2001	Rig Release Date 7/14/2001	Latitude (DMS) 36° 37' 5.8512" N	Longitude (DMS) 107° 32' 27.7908" W	

Start

Ops This Rpt

8/9/2001

HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 1650 #. TESTED THE DAKOTA THROUGH A 1/2" CHOKE AND UP 2 3/8" TBG @ 7133'. WELL STABILIZED @ 160 #. TESTED THE WELL 4 HRS AFTER WELL STABILIZED. TBG PRESSURE 160 #. 4 1/2" CSG PRESSURE 650 #. 1056 MCFPD. 1 BOPD. 48 BWPD. PERFS @ 7030' TO 7225'. PBD 7235'. TEST WITNESSED BY SAM MCFADDEN & THOMAS MONK. RU PROTECHNICS. RAN SPECTRA SCAN LOG & SPINNER SURVEY FROM 7235' TO 6900'. RD PROTECHNICS. LANDED 225 JTS OF 2 3/8" TBG @ 7133' W/ SEAT NIPPLE & MULESHOE. RU SANDLINE. RIH W/ 1.901" DRIFT TO SEAT NIPPLE. POOH W/ DRIFT. NDBOP. NUWH. SWI. RDMO.