

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMSF078119

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.moore@conoco.com		
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197			3a. Phone No. (include area code) Ph: 281.293.4895		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SENE 2400FNL 660FEL At top prod interval reported below At total depth			8. Lease Name and Well No. SUTER 3B		
14. Date Spudded 06/26/2001			15. Date T.D. Reached 07/04/2001		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/04/2001			9. API Well No. 30-045-30580-00-X1		
18. Total Depth: MD TVD 5893			19. Plug Back T.D.: MD TVD 5847		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL TDT			11. Sec., T., R., M., or Block and Survey or Area Sec 14 T32N R11W Mer NMP		
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)			12. County or Parish SAN JUAN		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 6487 GL					

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		139		0	
8.750	7.000 J-55	20.0		3156		537		400	
6.250	4.500 J-55	11.0		5891		256		1287	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	4750							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4748	5554	4748 TO 5234			
B)			5348 TO 5554			
C)						
D)						

Depth Interval	Amount and Type of Material
4748 TO 5234	650 GALS 15% HCL ACID, 110,000# 20/40 SAND, 290.00
5348 TO 5554	150,000# 20/40 SAND, 840,000 SCF N2

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/04/2001	09/04/2001	24	→	4.0	1452.0	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	220	460.0	→	2	1452	4		GSI	

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 #8420 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMOCD

27 2001

FOR RECORD  
SWAN OFFICE

## 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	215		OJO ALAMO	1757
NACIMIENTO	215	1456		KIRTLAND	2403
MESAVERDE	1757	2402		FRUITLAND	2674
				PICTURED CLIFFS	3202
				MESAVERDE	3396
				CLIFF HOUSE	5053
				MENEFEE	5127
				POINT LOOKOUT	5483

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

This well is a single Mesaverde producer. Attached are the daily's.

## 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 #8420 Verified by the BLM Well Information System.  
For CONOCO INC, sent to the Farmington  
Committed to AFMSS for processing by Lucy Bee on 11/07/2001 (02LXB0304SE)

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

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 #8420

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMSF 078039	NMSF078119
Agreement:		
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:	SUTER	SUTER
Number:	3B	3B
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
S/T/R:	Sec 14 T32N R11W Mer NMP	Sec 14 T32N R11W Mer NMP
Surf Loc:	SENE 2400FNL 660FEL	SENE 2400FNL 660FEL
Field/Pool:	BLANCO MESAVERDE	BLANCO MESAVERDE
Logs Run:	CBL, TDT	CBL TDT
Producing Intervals - Formations:	BLANCO MESAVERDE	MESAVERDE
Porous Zones:	OJO ALAMO	SAN JOSE NACIMIENTO MESAVERDE
Markers:	OJO ALAMO KIRTLAND FRUITLAND FMA PICTURED CLIFFS LEWIS UPPER CLIFFHOUSE MSSV. CLIFFHOUSE MENELEE POINT LOOKOUT	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS MESAVERDE CLIFF HOUSE MENELEE POINT LOOKOUT

## Daily Summary

API	300453058000	County	SAN JUAN	State/Province	NEW MEXICO	Surface Legal Location	NMPM-32N-11W-14-H	NS Dist. (ft)	2400.0	NS Flag	N	EW Dist. (ft)	660.0	EW Flag	E
KB Elev (ft)	6500.00	Ground Elev (ft)	6487.00	Plug Back Total Depth (ftKB)	5,847.0	Spud Date	6/26/2001	Rig Release Date	7/4/2001	Latitude (DMS)	36° 59' 8.3544" N	Longitude (DMS)	107° 57' 6.8004" W		

Start	Ops This Rpt
7/16/2001	Rig up Expert slickline. RIH with 3.75" Gauge ring and tagged @ 5834'. Rigged down and moved off location.
7/20/2001	Rig up Schlumberger Mast Truck and wireline. Run TDT Log from 5839' to 1500'. Ran Gamma Ray Log from 1500' to surface. Ran CBL Log from 5839' to 1500'. Ran CBL log with 1600 psi on the casing. Estimated TOC @ 1766'. Rigged down Schlumberger wireline. Pressure tested casing to 4300 psi. - OK.
7/26/2001	Rigged up Blue Jet to perf. Perf the Lower Menefee/Point Lookout @ 5546' - 5554' wit 1/2 SPF Total Holes 5. Perf @ 5484' - 5508' with 1/2 SPF Total Holes 13. Perf @ 5448' - 5454' wit 1/2 SPF Total Holes 4. Perf @ 5402' - 5412' with 1/2 SPF Total Holes 6. Perf @ 5348' - 5354' wit 1/2 SPF Total holes 4. Total holes for the Lower Menefee/Point Lookout 32. Rigged down Blue Jet. Rigged up Hallib to ball off with KCL Water. Pumped 40 Bio Ball Sealers @ 20 BPM avg rate @ 300 psi avg pressure. Had good ball action. Well balled off. Max pressure 2920 psi. Rigged down Hallib.
7/27/2001	SHUT DOWN
7/27/2001	Rigged up Hallib to frac. Fraced Point Lookout / L Menefee ( MV ) with 150,000# of 20/40 Brady sand. Total N2 pumped 840,000 SCF. Avg rate 70 BPM @ 3000 psi avg pressure. Max sand conc 4#/ Gal. Flushed with 85 bbls of fluid. Total fluid to recover 580 bbls. ISIP - Vacuum. Rigged up Blue Jet. Set Hallib composite plug @ 5260'. Tested plug and casing to 3800 psi. - OK. Rigged up Blue Jet to perforate. Perforated the U Menefee/Cliffhouse/U Cliffhouse ( MV ) @ 5232' - 5234' with 1/2 SPF Total holes 2. Perforated @ 5212' - 5214' with 1/2 SPF Total holes 2. Perforated @ 5198' - 5200' with 1/2 SPF Total holes 2. Perforated @ 5123' - 5127' with 1/2 SPF Total holes 3. Perforated @ 5096' - 5112' with 1/2 SPF Total holes 9. Perforated @ 5076' - 5082' with 1/2 SPF Total holes 4. Perforated @ 5056' - 5070' with 1/2 SPF Total holes 8. Perforated @ 4850' - 4854' with 1/2 SPF Total holes 5. Perforated @ 4748' - 4752' with 1 SPF Total holes 4. Total holes for the U Menefee/Cliffhouse/U Cliffhouse 40 holes. Rigged up Hallib to breakdown with water. Tried to breakdown with water would not breakdown. Rigged up Blue Jet and spotted 10 gals of 28% HCL acid @ 5050'. Rigged down Blue Jet. Rigged up Hallib and broke down perfs @ 3160 psi. Dropped 46 Bio Balls @ 17 BPM @ 3650 psi. No ball action. Well balled off. Waited 1 hr for balls to dissolve. Pumped into perfs again @ 17 BPM, and Max pressure. Talked to Houston Engineering. Decided that we could not frac @ that rate and pressure. Rigged down Hallib. Will move completion rig on the well ASAP to finish the frac and rest of the completion.
8/22/2001	Road rig to location. Rigged up. Spotted all equipment. Checked well pressure. Csg - 975 psi. Blow well down. ND Frac valve. NUBOP. Tested and charted BOP'S. Tally and RIH with 2 3/8" tubing, with 3 7/8" mill.
8/23/2001	SHUT DOWN
8/23/2001	Check well pressures. Csg - 380 psi. Blow well down. Continued to RIH and tagged Hallib Fas Drill Plug @ 5260'. Rigged up Hallib and circulated well with clean KCL Water. Shut down, and well went on a vacuum. Rigged up Hallib to pump on the well and get rate down the casing. Established rate @ 13 BPM @ 2700 psi. POOH with 2 3/8" tubing with Mill. Rigged up Hallib to acidize. Pumped 650 gals of 15% HCL Acid with 60 Bioballs @ 19 BPM @ 1517 psi. Well balled off. Shut down and waited 1 HR. Pumped on well @ 23 BPM @ 260 psi. Rigged down Hallib. Ready to Frac.
8/24/2001	SHUT DOWN
8/24/2001	Installed frac Y. Rigged up Halliburton to frac. Fraced Upper Menefee/Cliffhouse ( MV ) with 110,000# of 20/40 Brady sand @ approx 55 BPM @ approx 3450 psi. Total N2 pumped 1,130,000 scf. With 110,000# of the 180,000# ( job designed ) sand pumped Hallib slugged the belt on the Mountain Mover and stopped the belt. Had to go to flush. ISIP - 1485 psi. 5 minutes 1267 psi. Rigged down Hallib.
8/27/2001	SHUT DOWN
8/27/2001	Check well pressures. CSG - 650 psi. Flowed well thru 1/2" choke nipple. pressure dropped to 300 psi. Well still making fluid and sand. Started rigging up drill gas compressors and blowie line.
8/28/2001	SHUT DOWN
8/28/2001	Check well pressures. Csg - 550 psi. RIH with 138 jts of 2 3/8" tubing with mill. Finished rigging up drill gas compressors. Started 2 drill gas compressors and unloaded well. Continue to RIH and tagged sand fill @ 5230'. Started 2 drill gas compressors and cleaned sand fill to Hallib Fas Drill plug @ 5260'. Let well flow to cleanup.
8/29/2001	SHUT DOWN
8/29/2001	Check well pressures. Csg - 510 psi. Blow well down. RIH and tagged fill @ 5230'. Started 2 drill gas compressors and cleaned sand to Hallib Plug @ 5260'. Pulled 2 3/8" tubing up to 4750'. Flowed 2 3/8" tubing thru 1/2" choke nipple. Pressure stablized @ 115 psi = 759 MCFPD. Csg - 340 psi. 4 BBLS Water and 1 BBL Oil. NOTE: THIS IS A TEST FOR THE U CLIFFHOUSE / CLIFFHOUSE / U MENELEE ONLY. DO NOT USE FOR THE C 104. Storm blew in.
8/30/2001	SHUT DOWN
8/30/2001	Attended Key's Safety Stand down. Checked well pressures. Csg - 500 psi. RIH and tagged sand fill @ 5234'. Started 2 drill gas compressors and cleaned sand fill to Hallib Fas Drill Plug @ 5260'. Drilled up plug @ 5260'. Continued to RIH, tagged sand fill @ 5825'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5847'. Blew well and pumped soap sweeps. Pulled up above the perfs.
	SHUT DOWN

## Daily Summary

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Start	Ops This Rpt
8/31/2001	<p>Checked well pressures. Csg - 500 psi. Blew well down. POOH with 2 3/8" tubing with mill. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Started 2 drill gas compressors and unloaded well @ mid perfs. Continued to RIH and tagged sand fill @ 5805'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5847'. Pumped soap sweeps to allow well to clean up. Pulled up above the top perfs and shut down due to weather. SHUT DOWN</p>
9/4/2001	<p>Check well pressures. Csg - 500 psi. Blow well down. With 2 3/8" tubing @ 4750', installed 1/2" choke nipple. Flowed well up the tubing thru 1/2" choke nipple. Flowed until pressure stabilized. Tbg - 220 psi.</p> <p>Csg - 460 psi. MCFPD = 1452. Water = 4 BBLS Oil = 2 BBLS. Test witnessed by Nick James with Key Energy. Continue to RIH and tagged @ PBTD. Pulled up and landed 2 3/8" @ 5414' with KB Added in. Total tubing 169 jts. NDBOP &amp; NUWH. Rig down compressors and blowie line. Rig down unit. Move off location.</p> <p>FINAL REPORT</p> <p>Waiting on facilities.</p>