

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. NMSF078194		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.			6. If Indian, Allottee or Tribe Name		
Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CONOCO INC			8. Lease Name and Well No. LUDWICK LS 21		
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197			9. API Well No. 30-045-08932-00-S2		
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 31 T30N R10W Mer NMP At surface SESW 0940FSL 1850FWL 36.76379 N Lat, 107.92703 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T30N R10W Mer NMP		
			12. County or Parish SAN JUAN		
			13. State NM		
14. Date Spudded 10/17/1961		15. Date T.D. Reached 11/03/1961		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/19/2002	
17. Elevations (DF, KB, RT, GL)* 6036 DF					
18. Total Depth: MD TVD 7056		19. Plug Back T.D.: MD TVD 7013		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				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 checked="" type="checkbox"/> No <input 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
14.750	10.750	33.0		296		220		0	
8.750	4.500	12.0		7050		935			

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	4389							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4316	4992	4316 TO 4992			
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4316 TO 4490	FRAC'D W/ 1474 BBLs GELLED WATER FOAMED TO 65Q WIT
4720 TO 4992	FRAC'D W/665 BBLs GELLED KCL 65Q FORAM & 80,330# B

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
07/24/2002	07/17/2002	24	→	C.O	2640.0	2.0			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	400.0	→					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 #14099 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD

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
DAKOTA				DAKOTA	

32. Additional remarks (include plugging procedure):
 This well has been recompleted to the Blanco Mesaverde as per the attached daily summary and will produce as Mesaverde single. The Dakota completion will remain temporarily below a CIBP.

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 #14099 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Matthew Halbert on 09/25/2002 (02MXH0703SE)

Name (please print) YOLANDA PEREZ Title COORDINATOR

Signature _____ (Electronic Submission) Date 09/09/2002

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 ****

RM05D

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300450893200	SAN JUAN	NEW MEXICO	NMPM-30N-10W-31-N	940.0	S	1850.0	W
Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6026.00	10/17/1961		36° 45' 49.644" N	107° 55' 37.2" W			

Start Date	Ops This Rpt
2/26/1998 00:00	Type of Operation: TEAS AND TAG Present Operation: ON LOCATION SAFETY MTG. RIG UP RIH W/ 2" RB W/ 1.90 GAUGE RING TO 6880' PULLED PLUNGER POOH RIH W/ 2" RB PULLING TCOL TO 6881' PULL SLIP TYPE BUMPERSPRING POOH RIH W/ TEL TAG FIND END OF TBG. @ 6915' TAG BOTTOM @ 6984' POOH RIH SET 2" SLIP TYPE BUMPERSPRING @6880' POOH RIH W/ 2" CW PLUG SET @ 6870' POOH BLOW TBG. TO 0 PSI NO LEAKS RIH W/ 2" RB PULLING TOOL PULL CW PLUG POOH RIG DOWN
7/8/2002 00:00	MIRU AWS# 376. ND tree. NU BOP. RU Wood Group. Test BOP blind rams and pipe rams to 260psi and 5000 psi. SDON.
7/9/2002 00:00	TIH & tag bottom. Strapped out of hole with 223 jt. 2-3/8" production tubing. Tagged @ 6991'. RU Blue Jet. Set CIBP @ 5103'. Test CIBP to 3000 psi., test OK. RD Blue Jet. RU Schlumberger. Ran GR-CCL-TDT log from 5100'-3700'. RD Schlumberger. SWI-SDON.
7/10/2002 00:00	RU Blue Jet. Perf'd 4-1/2" casing in Point Lookout formation with 3-1/8" select fire 1 spf as follows: 4720'-34', 4758'-76', 4800'-04', 4828'-34', 4884'-92', 4902'-05', 4920'-24', 4938'-42', 4976'-4992'. 48 holes total. RD Blue Jet. SWI-SDON.
7/11/2002 00:00	RU BJ Services, Stinger Wehead, Blue Jet. Held safety meeting. Pressure tested lines to 4007 psi. Set pop-off @ 2950 psi. Loaded casing and broke perfs @ 22 BPM @ 1400 psi. Pumped ball job with 60 7/8" 1.3 SG ball sealers, 21 - 18.6 BPM @ 930-524-2800 psi. Balled off perfs. RD Stinger. RIH with junk basket on wireline. Retrieved 51 of 60 balls, 37 hits. RU Stinger. Re-test lines. Pumped step rate test as follows: 40 BPM @ 1800, 35 BPM @ 1476 psi, 29 BPM @ 1020 psi, 24 BPM @ 600 psi. ISIP: VAC. Frac'd PLO perfs with 655 bbls gelled KCL 65Q foam + 80,330 lbs 20/40 Brady sand. Min: 1980 psi. Max: 2300 psi. Avg: 2065 psi. AIR: 55 BPM fm rate. ISIP: VAC. RD Stinger. RIH with 4-1/2" Fas-Dril plug on wireline. Set Fas-Dril @ 4600'. Pressure tested plug to 3000 psi, test OK. Perf'd 4-1/2" casing in Menefee formation with 1 spf as follows: 4316'-20', 4337'-42', 4354'-56', 4376'-83', 4420'-24', 4433'-38', 4479'-90'. 45 holes total. RD Blue Jet. RU Stinger. Re-test lines to 4007 psi. Pumped ball job with 24 bbls 15% HCL acid, balled off to 3268 psi. ISIP: 1200 psi. FG: .71. Pumped pump in test, 30 BPM @ 2316 psi. ISIP: 1180 psi. 5min: 1000 psi. 10 min: 933 psi. Frac'd Menefee perfs with 1474 bbls gelled water foamed to 65Q with N2 + 75,330 lbs 20/40 Brady sand. Min: 2095 psi. Max: 2841 psi. Avg: 2695 psi. AIR: 25 BPM fm rate. ISIP: 2180 5min: 2131 psi. Shut well in. RD Stinger. RD BJ Services. SWI-SDON.
7/12/2002 00:00	14 hr SICP: 1750 psi. Opened well to flowback tank. Flowed well on a 1/4" choke to tank for 99 hrs. Made 57 bbls water, small amount of sand. FCP: 1720- 550 psi. SWI-SDON.
7/15/2002 00:00	54 hr. SICP: 1600 psi. Modified blooey line pit. Built blooey line and rig up air manifold. Opened well to pit on a 1/4" choke. Flowed well overnight to pit. FCP: 1600-300 psi.
7/16/2002 00:00	FCP: 300 psi. opened well out blooey line. TIH with 3-7/8" bit, bit sub, (6) 3-1/8" OD DC's, XO on 2-3/8" tbg. Tagged sand @ 4475'. Built mist and unloaded hole @ 4475'. Cleaned out sand f/ 4475'-4600'. Circ'd well clean. Drilled FAS-DRIL plug f/4600'-4601'. TIH to 4630'. Circ'd hole clean. SWI-SDON.
7/17/2002 00:00	15 hr. SICP: 1100 psi. Bled well down to 250 psi, opened well through blooey line. Built mist and broke circ. Circ'd down from 4630'- 5100'. Circ'd clean for 1-1/2 hrs. PUH to 4344'. Flow test well as follows: Flowed 6.5 hrs to pit Choke: 1/2" Perfs: 4316'-4490 (Men) 4720'-4992' (PLO) Water: 2 bbls Oil: 0 bbls Est'd rate: 2640 mcf/d Witnesses: MARK Mabe and Cresencio Henandez Tubing tom be landed @ 4375'. SWI-SDON.
7/18/2002 00:00	Contacted Yolanda Perez @ 7:50AM with test info. Contacted Steve Miller @ 8:00 AM with notice of completion with well. 15 hr SICP: 1000 psi. Bled well down to 300 psi. Opened well down blooey line. TIH and tagged @ 5100'. No fill. Broke circulation with mist. Circ well for 1 hour. TCH LD DC's and 81 jts 2-3/8" tubing. TIH with 2-3/8" muleshoe collar, 2-3/8" expendable check, 140 jts 2-3/8" 4.7#/ft J55 8RD EUE tubing. Landed donut in well. SWI-SDON.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300450893200	SAN JUAN	NEW MEXICO	NMPM-30N-10W-31-N	940.0	S	1850.0	W
Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6026.00	10/17/1961		36° 45' 49.644" N	107° 55' 37.2" W			

Start Date	Ops This Rpt
7/19/2002 00:00	ND BOP. NU tree. Pumped out expendable check with 1800 psi air pressure. Flowed well to pit for 1 hour. Shut well in. RD rig and prep to move out. Plumbed in wellhead and flowline. FINAL REPORT. 2-3/8" tubing Detail: (Top to Bottom)
	KB 10.0'
	140 jts 2-3/8" 4.7#/ft J55 8RD EUE tubing 4378.10'
	2-3/8" expndable check with muleshoed collar .90'
	Total tubing 4389.0'

NINCO