

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078194	
2. Name of Operator CONOCO INC		6. If Indian, Allottee or Tribe Name	
3a. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 281.293.1613 Fx: 281.293.5090		8. Well Name and No. LUDWICK LS 21	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T30N R10W SESW 0940FSL 1850FWL 36.76379 N Lat, 107.92703 W Lon		9. API Well No. 30-045-08932-00-S1	
		10. Field and Pool, or Exploratory UNNAMED	
		11. County or Parish, and State SAN JUAN COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This well has been recompleated to the Elanco Mesaverde as per the attached daily summary and will produce as Mesaverde single. The Dakota completion will remain temporarily below a CIBP.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #14100 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 (02MXH0702SE)</b>	
Name (Printed/Typed) YOLANDA PEREZ	Title COORDINATOR
Signature (Electronic Submission)	Date 09/09/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	MATTHEW HALBERT Title PETROLEUM ENGINEER	Date 09/25/2002
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office Farmington		

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.

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## 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 TOOL TO 6881' PULL SLIP TYPE BUMPERSRING POOH RIH W/ TEL TAG FIND END OF TBG. @ 6915' TAG BOTTOM @ 6984' POOH RIH SET 2" SLIP TYPE BUMPERSRING @ 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'-06', 4920'-24', 4938'-42', 4976'-4992'. 48 holes total. RD Blue Jet. SWI-SDON.
7/11/2002 00:00	RU BJ Services, Stinger Wellhead, 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: 1300-300 psi.
7/16/2002 00:00	FCP: 300 psi. opened well cut 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. TOH 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.

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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'

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