

# 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 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 7. Unit or CA Agreement Name and No.	
2. Name of Operator <b>CONOCO INC.</b>		Contact: <b>DEBORAH MARBERRY</b> E-Mail: <b>deborah.moore@usa.conoco.com</b>	
3. Address <b>P.O. BOX 2197 DU 3066</b> <b>HOUSTON, TX 77252</b>		4a. Phone No. (Include area code) Ph: <b>281.293.1005</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>NWNE 1605FSL 2390FEL</b>  At top prod interval reported below  At total depth		9. API Well No. <b>30-045-30599</b>  10. Field and Pool, or Exploratory <b>BLANCO MESAVERDE</b>  11. Sec., T., R., M., or Block and Survey or Area <b>Sec 13 T32N R12W Mer NMP</b>  12. County or Parish <b>SAN JUAN</b> 13. State <b>NM</b>	
14. Date Spudded <b>04/30/2001</b>		15. Date T.D. Reached <b>05/06/2001</b>	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>09/20/2001</b>		17. Elevations (DF, KB, RT, GL)* <b>6447 GL</b>	
18. Total Depth:    MD <b>5776</b> TVD		19. Plug Back T.D.:    MD <b>5721</b> TVD	
20. Depth Bridge Plug Set:    MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL, TDT, GAMMA</b>	
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)

[illegible]

## 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	5450							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4971	5498	5296 TO 5498	3.130	35	
B)			4971 TO 5265	3.130	31	
C)						
D)						

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

Depth Interval	Amount and Type of Material
5296 TO 5498	135,400 BBLS #20/40 SAND, 68,736 GALS N2
4971 TO 5265	91,500 BBLS #20/40 SAND, 54,000 GALS N2

## 28. Production - Interval A

Date First Produced 06/21/2001	Test Date 09/20/2001	Hours Tested 24	Test Production →	Oil BBL 1.0	Gas MCF 845.0	Water BBL 0.0	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWS FROM WELL
Choke Size 1/2	Tbg. Press. Flwg. 40 SI	Csg. Press. 320.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status 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	FOR RECORD

(See Instructions and spaces for additional data on reverse side)

**ELECTRONIC SUBMISSION #7542 VERIFIED BY THE BLM WELL INFORMATION SYSTEM**

06/20/01

**OFFICE**

K

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
OJO ALAMO	1779	2206		OJO ALAMO KIRTLAND FRUITLAND FMA BASE PICTURED CLIFFS CHACRA UPPER CLIFFHOUSE MASSIVE CLIFFHOUSE MENELEE POINT LOOKOUT	1779 2206 2306 3182 4143 4538 4776 4941 5296

32. Additional remarks (include plugging procedure):

Attached is a copy of the daily's. This well is a single Mesaverde

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 #7542 Verified by the BLM Well Information System.  
For CONOCO INC., sent to the Farmington  
Committed to AFMSS for processing by Lucy Bee on 10/03/2001 ()

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 10/02/2001

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.

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## Daily Summary

API 300453059900	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-32N-12W-13-J	NS Dist. (ft) 1605.0	NS Flag S	EW Dist. (ft) 2390.0	EW Flag E
KB Elev (ft) 6460.00	Ground Elev (ft) 6447.00	Plug Back Total Depth (ftKB) 5,703.0	Spud Date 4/30/2001	Rig Release Date 5/6/2001	Latitude (DMS) 36° 58' 58.2492" N	Longitude (DMS) 108° 2' 45.0312" W	

Start	Ops This Rpt
5/11/2001	Rig up Schlumberger wireline. Ran TDT Log from 5695' to 1600'. Ran Gamma Ray log from 1600' to surface. Rigged up and run a CBL Log from 5695' to 1600'. Ran log with 700 psi. on the casing. TOC @ 2080'. Rigged down Schlumberger wireline. Tested casing to 4300 psi. - OK. Sent logs to Houston, for evaluation.
5/29/2001	Rigged up Expert Slickline to run Deviation survey. Made a stop @ 5660' and showed 1 Degree deviation. Rigged down Expert slickline. SHUT DOWN
6/21/2001	Rigged up Schlumberger wireline. Perforate Point Lookout ( MV ) @ 5296 - 5308 with 1/2 SPF Total holes 7. Perforate 5338 - 5356 with 1/2 SPF Total holes 10. Perforate 5382 - 5390 with 1/2 SPF Total holes 5. Perforate 5406 - 5414 with 1/2 SPF Total holes 5. Perforate 5426 - 5432 with 1/2 SPF Total holes 4. Perforate 5492 - 5498 with 1/2 SPF Total holes 4. Perforated with 3 1/8" HSC with .34" hole size. Total holes for the Point Lookout ( MV ) 35 holes. Rigged down Schlumberger wireline and mast truck.
6/29/2001	Had pre-frac safety mtg. Test lines to 5397 psi, OK. Set Pop-off valve @ 3720 psi. Load hole w/ 89 bbls KCL water formation BD @ 2400 psi w/ 5 bpm. Est rate of 27 bpm w/ 1900 psi. Dropped 42 bio-balls and displaced to perfs. Max ball-off pressure 3500 psi, good ball action. Waited on Bio-balls to dissolve. Perform injection test Max 1035 psi @ 30 bpm. Shut down for 5 mins (ISIP 0 psi). Pressure test N2 equip to 5500 psi. Start PL frac. ISIP 0 psi. Placed 135,400 # 20/40 sand, max of 4# stg. Pumped 68,736 gals 70 Q, 25# linear N2 gel foam @ avg of 42.6 bpm. Total fluid to recover 635 bbls.  RU Schlumberger W/L. Set 4 1/2" composite plug @ 5289'. Make 3 runs w/ 3 1/8", 90 deg PP, 12g 306T @ 0.34" dia. guns to shoot Menefee perfs @ 5265'- 5260' (1 spf- 6 holes), 5202'- 5186' (1/2 spf- 9 holes), 5094-5090' (1spf- 5 holes), 5050'-5046' (1spf- 5 holes), 5006'- 5004' (1spf- 3 holes), 4973'-4971' (1spf- 3 holes). Total of 31 perfs from 4971'- 4973'. RD Schlumberger.  Re-test lines & set Pop-off. Drop 38 Bio-balls and displace, good ball action. Pump Pre-pad & Est injection step rates- 28 bpm @ 2660, 19 bpm @ 1200 psi, 10 bpm @ 540 psi. w/ 2713 psi max. S/D 5 mins 1642 psi. Placed 91500# 20/40 brdy sand (max 4# stg), 70Q 25# N2 foam @ avg 40 bpm, avg 2744 psi. tot fluid 386 bbls.

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Start	Ops This Rpt
9/12/2001	check well for psi - 1060 lbs - rig up unit and equipment, rig up flow line with 1/2" choke and open well to bleed down, rig up gas compressors, flow well back through choke, flow back through night,
9/13/2001	check flowing well for psi - 200psi, open on 2" and blow down, rig up bop's, test, okay, finish rig up of gas comps and flow lines, pick up 108 jts of tubing ( 3380' ) with metal muncher mill, close in well
9/14/2001	check psi - 520lbs, open well & blow down well, trip in hole with tubing, tag fill at 5200', rig up gas comps, unload well, clean up well to 5260' with 160 jts, pump soap sweeps every hour to clean, pull up to 4920' (157 jts), flow well over weekend
9/15/2001	weekend flow back
9/16/2001	weekend flow back
9/17/2001	4 HOUR TEST TODAY ON MENELEE FORMATION perfs - 4971' — 5265', 2 3/8's tubing set at 4920', CHOKE = 1/2" tubing PSI - 40 LBS, casing PSI - 110 PSI 40 times 6.6 factor = 264 MCFPD, no sand, 10 bbl H2 per day, 3 bbl oil per day witnessed by Victor Barrios & Loranzo Acosta after test go in hole and tag sand 6' fill over weekend, drill out plug, pump soap sweeps, tagged fill at 5400', clean out 235' to 5635', pump soap sweeps as needed to clean hole, pull up to 4920' and shut in.
9/18/2001	check well psi's - 550psi tubing and casing, blow well down and kill tubing, pooh and lay down tools, gih with mule shoe, seating nipple, tag fill at 5600', clean to bottom at 5685', pump soap sweeps every hour to clean well, pooh to 5444' and flow well up tubing over night
9/19/2001	tubing flowing with 40 psi, casing with 400lbs, blow down, gih and tag fill at 5665', unload well, clean up fill with soap sweeps every hour, pooh to 5444' and flow well over night.
9/20/2001	FINAL TEST ON BOTH ZONES tubing flowing with 40 psi, casing 400lbs, rig up 1/2" choke for final 4 HOUR test, 2 3/8's set at 5444' tubing psi = 128 psi — casing psi = 320 psi, 6.6 factor times 128 = 845 MCFPD total Menefee = 265 MCFPD, Point Lookout = 580 MCFPD no sand, no water, 1 bbl oil per day MESAVARDE PERFS — Menefee 4971' — 5265', Point Lookout 5296' — 5498', witnessed by joe balkus & victor barrios go in hole and check for fill, clean out 6', pull up and land tubing at 5450' with 173 joints of 2 3/8's, rig up well head, unload fluid, get all equipment ready to move, rig down, (will send back in 3 jts of new 2 3/8's "A" condition to conoco yard)