

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF 078433

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. Resrv. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CONOCO INC.		Contact: DEBORAH MARBERRY E-Mail: deborah.marberry@usa.conoco.com	
3. Address P.O. BOX 2197 DU 3066 HOUSTON, TX 77252		3a. Phone No. (include area code) Ph: 281.293.1005	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSE 1100FNL 1185FWL At top prod interval reported below At total depth		7. API Well No. 30-045-30682	
14. Date Spudded 11/11/2001		15. Date T.D. Reached 11/18/2001	
18. Total Depth: MD 6700 TVD		19. Plug Back T.D.: MD 6607 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 type="checkbox"/> No <input checked="" 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	6606							

25. Producing Intervals



26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN DAKOTA	6412	6670	6412 TO 6670			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6412 TO 6670	FRAC'D W/ 108,455# BRADY SAND, 3137 BBLS OF FLUID

28. Production - Interval A

Date First Produced 02/01/2002	Test Date 01/23/2002	Hours Tested 24	Test Production 	Oil BBL 1.0	Gas MCF 858.0	Water BBL 5.0	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWS FROM WELL
Choke Size 1/2"	Tbg. Press. Flwg. SI 130	Csg. Press. 400.0	24 Hr. Rate 	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status 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	ACCEPTED FOR RECORD

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

ELECTRONIC SUBMISSION #10178 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL

ACCEPTED FOR RECORD

FEB 26 2002

* ORIGINAL **
FARMINGTON FIELD OFFICE
BY *[Signature]*

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	1105	1281		OJO ALAMO KIRTLAND FRUITLAND FM. PICTURED CLIFFS LEWIS CHACRA CLIFF HOUSE MENELEE POINT LOOKOUT MANCO S GALLUP GREENHORN GRANEROS TWO WELLS PAGUATE	1105 1282 1752 2012 2161 2904 3584 3692 4420 4840 5470 6312 6372 6408 6476

32. Additional remarks (include plugging procedure):

This well is a single producing Basin Dakota. Attached are the daily summaries.

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 #10178 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Farmington

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 02/16/2002

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Daily Summary

API 300453068200	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-26N-8W-17-D	NS Dist. (ft) 1000.0	NS Flag N	EW Dist. (ft) 1185.0	EW Flag W
Ground Elev (ft) 6292.00	Spud Date 11/11/2001	Rig Release Date 11/19/2001	Latitude (DMS) 36° 29' 30.57" N	Longitude (DMS) 107° 42' 35.3304" W			

Start	Ops This Rpt																																																								
12/12/2001	Held safety meeting, got rig running, drove rig to location, spot in, rig up, spot equipment, take well head off, nipple up mud cross & bop's, try to test bop's - leak off in gates, change doors seals, test bop's, okay - good test, rig down quadco, go in hole with rock bit picking up tubing - 79 joints (strap & rabbit) to 2469', close in well, shut down.																																																								
12/13/2001	Held safety meeting, got equipment running, continue to pick up and go in hole, tag at 3314' with 106 jts, pick up power swivel and start drilling cement, drill 50' and tag DV tool at 3354' drill out and circ clean, lay down power swivel and go in hole to 6600' tag cement, pick up power swivel and drill out to float collar at 6607' KB with 211 jts, circ clean and pressure test to 1000 psi - okay, lay down power swivel and roll ewl with 130 bbls clean 2% Kcl. drain up and close in well.																																																								
12/14/2001	Held safety meeting, got all equipment running, come out of hole laying down total 211 jts, take off bit and sub and nipple down bop's, rig up well head, got tubing float ready to move, clean up location, rig down																																																								
12/17/2001	held safety meeting, rigless day, schlumberger logging - DTD, gamma ray, CBL with Stinger holding 1000psi on well, Stinger pressured to 4300psi - good test																																																								
12/26/2001	---needed to drill out to 6685' for frac--- Held safety meeting, drive to location, spot in, rig up, spot equipment in, take off frac valve, nipple up bop's, rig up quadco, test bop's - okay, rig down quadco, go in hole with bit picking up up 211 joints and tag float collar at 6607' KB, pick up power swivel, close in well, shut down.																																																								
12/27/2001	Held safety meeting, got equipment started, circ well, tag and drill out float collar and cement to 6685' (78') hard cement, circ clean, pressure test to 1000 psi - okay, roll well with 130 bbl of clean 2% Kcl, lay down power swivel, pull and lay down 100 joints tubing (3100'), close in well, drain equipment, shut down																																																								
12/28/2001	Held safety meeting, got equipment running, finnish coming out of hole laying down tubing (114 joints), fill well with 2% Kcl, drain equipment, nipple down bop's, rig up frac valve, clean up location, rig down to move.																																																								
12/29/2001	Held safety meeting, run CBL under 1000psi from 6790' to 6290' tie in to 1st CBL log run on 12/17/01, test casing to 4300psi - good test, --- had trouble with TDT tool, would not power up, shut down - rig down & take tool in to be worked on.																																																								
12/30/2001	Held safety meeting, run TDT from 6790' to 6290' and tie into TDT log run 12/17/01, logging complete																																																								
1/7/2002	Held safety meeting, perf well as recommended by procedure <table><tr><th>Perforations</th><th>perf feet</th><th>SPF</th><th>holes</th><th>guns</th><th>90pp</th><th>diameter</th></tr><tr><td>6412' - 6430'</td><td>18</td><td>1/2</td><td>10</td><td>3 1/8</td><td>"</td><td>.34</td></tr><tr><td>6478' - 6496'</td><td>18</td><td>"</td><td>10</td><td>"</td><td>"</td><td>"</td></tr><tr><td>6570' - 6580'</td><td>10</td><td>"</td><td>06</td><td>"</td><td>"</td><td>"</td></tr><tr><td>6586' - 6610'</td><td>24</td><td>"</td><td>13</td><td>"</td><td>"</td><td>"</td></tr><tr><td>6618' - 6632'</td><td>14</td><td>"</td><td>04</td><td>"</td><td>"</td><td>"</td></tr><tr><td>6642' - 6646'</td><td>04</td><td>"</td><td>03</td><td>"</td><td>"</td><td>"</td></tr><tr><td>6666' - 6670'</td><td>04</td><td>"</td><td>03</td><td>"</td><td>"</td><td>"</td></tr></table> held post safety meeting and rig down	Perforations	perf feet	SPF	holes	guns	90pp	diameter	6412' - 6430'	18	1/2	10	3 1/8	"	.34	6478' - 6496'	18	"	10	"	"	"	6570' - 6580'	10	"	06	"	"	"	6586' - 6610'	24	"	13	"	"	"	6618' - 6632'	14	"	04	"	"	"	6642' - 6646'	04	"	03	"	"	"	6666' - 6670'	04	"	03	"	"	"
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1/8/2002	Held safety meeting, rig up halliburton, test lines to 4300 psi, set pop off to 3800 psi, load and break down at 5.2bpm - break at 2027 psi -- isip 983 psi, start acid (1000 gal) 6 bpm avg., drop 64 balls and flush at 21 bpm 2570 psi, ball off to 3820 psi, rig up wire line and go in hole with junk basket ti knock off and retrieve balls - got back 64 balls. retest lines, start step rate - establish rate of 50 bpm & 3078 psi, drop to 41.5 bpm & 2375 psi, drop rate to 31.6 bpm & 1940 psi, droip rate to 11 bpm and 1330 psi, shut down - ISIP = 1180 psi, 5 min = 983 psi, 10 min = 912 psi, 15 min = 886 psi, 20 min = 842 psi, 25 min = 815 psi, 30 min = 796 psi, start job - 789 psi, pad = 206 bbl at 62.5 bpm and 2828 psi, stage 1 = 618 bbl / 62.2 bpm / #.5 / 2892 psi, stage #2 = 242 bbl / 61.6 bpm / 1.0# / 2831 psi, stage #3 = 1241 bbl / 61.3 bpm / 1.50# / 2932 psi, flush = 58 bpm / 3788 psi and ease down to 8 bpm for soft shut down, isip = 1587 psi, 5 min = 1399 psi, held post safety meeting, rig down halliburton. total volume pumped = 3137bbl slick water total proppant pumped = 108455lbs 20/40 brady sand JOB ---- log, summary, procedures to be sent to Conoco Houston by halliburton																																																								
1/9/2002	paper work																																																								
1/10/2002	Held safety meeting, got equipment running, drove rig to location, spot in and rig up, check well - no psi, take frac "Y" off, rig down the 2 frac valves, rig up bop's, rig up quadco, test bop's - okay, spot in pump and pit, spot in tubing float and rig up hand rails, and step ladders, spot and level out gas compressors, spot and rog up pump and pit, start in to rig up 6" blooie line, close in well and shut down																																																								
1/11/2002	Held safety meeting, got equipment running, take thread protectors off of new tubing, (213 joints delivered to loctation), talled tubing and start picking up and rabbiting tubing, pick up 200 joints, (6390'), stand by waiting on roustabouts, Held safety meeting, rig up gas compressors and blooie lines, close in well																																																								
1/14/2002	Held safety meeting, check well for psi, none, small vaccum, stand waiting for epng to set gas chart, got gas comps running, start pumping gas and unloading well, rig up pit water pump, continue to unload well rest of day from 6295' - 200 jts, well flowing with gas comps making lots of water and sand, close in well, drain up equipment, shut down.																																																								

ACCEPTED FOR RECORD

FEB 26 2002

FARMINGTON FIELD OFFICE

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Start	Ops This Rpt
1/15/2002	Attend conoco safety meeting in farmington, drive to location Held safety meeting, check well fro psi, ****1950psi on tubing and casing, open and blow well down and thru 6" blooie line rest fo day making lot of water and sand. (no need to use gas comps today) well making 25' - 30' flare, rig up 2" hard line and flow over night to flare pit
1/16/2002	Held safety meeting, check well - still flowing 40psi up open 2" making sand and water, 450psi on casing, blow down, kill and go in hole and tag fill at 6580' with 209 jts, rig up gas comps and unload well and clean up fill to pbtd at 6685' KB, stay there rest of day pumping soap sweeps every hour, pull up to 6416', left in well 204 jts., rig up and flow well over night drain eqiupment
1/17/2002	Held safety meeting, check well - still flowing up tubing at 35lbs with 425psi on the casing, blow well down, trip in hole and tag fill at 6660' (25' fill - TD=6685' - bottom perf at 6670'), rig up gas compressors and unload well & clean out fill - pumping soap sweep every hour. pull up to 6417', (204 jts in well) flow up tubing through 2" over night
1/18/2002	Held safety meeting, check well - still flowing up tubing and open 2" = 30psi, casing = 400 psi, blow down well and go in and tag fill at 6660' (25' fill) rig up gas compressors and unload well and fill, pump soap aweeeps every hour - pull out to 6417' (204 joints in well), rig up to flow well over weekend up tubing on 1/2" choke for clean up and test , drain eqiupment, shut down.
1/21/2002	Held safety meeting, check well still flowing up tubing on 1/2" choke at 135psi, casing 450 psi, blow down and tag at 6665' (20'fill), run sweeps to clean up, pull 9 joints and let well flow to clean up - started making water and sand up tubing, let well continue to flow over night still making water/little sand, drain eqiupment, secure well, shut down.
1/22/2002	Held safety meeting, check well stilll flowing up tubing (very little water now - still getting small slugs of water/sand) at 30lbs with 400lbs on casing, blow down and tag fill at 6665', (20'), unload well w/soap sweeps rest of day, tried to use 1 gas comp and letting well flow on own to clean up every 2 hours, pull to 6479', make well flow up tubing over night, secure well-shut down,
1/23/2002	*****FINAL REPORT***** Held safety meeting, flowed well over night, check well for psi, 2 3/8's tubing flowing at 30lbs, casing - 400lbs, blow down well and go in hole to check for fill - had 5', blow/clean out well with gas compressors and soap sweeps, pull up to 6619' and flow well for 2 hours, check for fill - none, pull to 6619'KB and put on 1/2" choke for 2 hour build up, casing 400psi, tubing psi = 130psi - times choke coefficient (6.6) = 858,000 MCFPD, trace of oil (1 bbl per day), water = 5 bbl per day land tubing at 6606' + 13'KB = 6619' with 210 joints new 2 3/8's, nipple down bop's and nipple up well head, rig down eqiupment and rig and get ready to move

Well Information System

Final Submission Confirmation

You have saved a FINAL version of a Well Completion Report, which will be sent to the BLM.

Current status of Transaction Number **10178**:

Date Sent: **2/16/2002**

Current status of submission: **RECVD**

Sent to BLM office: **Farmington**

Lease number: **NMSF 078433**

Submitted attachments: **1**

Well name(s) and number(s):

NEWSOM #16E

To edit, view, or add a note, [click here](#)

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