

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.
JC 36

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
NORTHEAST HAYNES 169. API Well No.
30-039-2681510. Field and Pool, or Exploratory
BALLARD PICTURED CLIFFS
11. Sec., T., R., M., or Block and Survey
or Area Sec 16 T24N R5W Mer NMP12. County or Parish
RIO ARRIBA13. State
NM17. Elevations (DF, KB, RT, GL)*
6545 GL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other2. Name of Operator
CONOCO INC. Contact: DEBORAH MARBERRY
E-Mail: deborah.moore@usa.conoco.com3. 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 SWNW 1830FNL 960FWL

At top prod interval reported below

At total depth

14. Date Spudded
10/24/2001 15. Date T.D. Reached
10/27/2001 16. Date Completed
☐ D & A ☒ Ready to Prod.
01/29/200218. Total Depth: MD 2560 TVD
19. Plug Back T.D.: MD 2467 TVD
20. Depth Bridge Plug Set: MD TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
TDT, INDUCTION, CALIPER 22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement T ₅₀₀	Amount Pulled
12.250	9.625 J-55	36.0		293		200			
8.750	4.500 J-55	10.5		2555		500			

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	2306							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
BALLARD PICTURE CLIFFS	2279	2351	2279 TO 2351		30	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
2279 TO 2351	FRAC W/76,123# 20/40 SAND, 36,000 SCF N2, 555 BBLs FLUID

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
03/20/2002	01/29/2002	24	→	0.0	624.0	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	170.0	→					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.	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 #10416 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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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):					31. Formation (Log) Markers	
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.						
Formation	Top	Bottom	Description s, Contents, etc.		Name	Top Meas. Depth
OJO ALAMO	1594	1950			OJO ALAMO KIRTLAND FRUITLAND FMA PICTURED CLIFFS LEWIS	1594 1951 2129 2279 2398

32. Additional remarks (include plugging procedure):
This well is a Ballard Pictured Cliffs single well. 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 #10416 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Rio Puerco**

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature _____ (Electronic Submission)

Date 03/27/2002

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.

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Daily Summary

API 300392681500	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-24N-5W-16-E	NS Dist. (ft) 1830.0	NS Flag N	EW Dist. (ft) 960.0	EW Flag W
Ground Elev (ft) 6545.00	Spud Date 10/24/2001	Rig Release Date 10/28/2001	Latitude (DMS) 36° 18' 54.2988" N	Longitude (DMS) 107° 22' 15.9312" W			

Start	Ops This Rpt
11/1/2001	HELD SAFETY MEETING. RU SLICKLINE. RIH W/ 3 1/2" GAUGE RING. TAGGED @ 2457'. POOH W/ GAUGE RING. RD SLICKLINE. SWI.
11/3/2001	HELD SAFETY MEETING. INSTALLED FRAC VALVE. TESTED CSG TO 4300 #. HELD OK. SWI.
11/16/2001	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE PICTURED CLIFFS. RIH W/ 3 1/8" 120 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 2279' - 2291' W/ 1 SPF, 2296' - 2300' W/ 1 SPF, 2331' - 2337' W/ 1 SPF, 2347' - 2351' W/ 1 SPF. A TOTAL OF 30 HOLES. SWI. RD BLUE JET
11/17/2001	HELD SAFETY MEETING. RU HALLIBURTON. FRAC'D THE PICTURED CLIFFS. TESTED LINES TO 4800 #. SET POP-OFF @ 3800 #. BROKE DOWN FORMATION @ 6 BPM @ 2431 #. DROPPED 18 BALL SEALERS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 18 BALL SEALERS @ 16 BPM @ 852 #. A TOTAL OF 36 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3700 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 36 BALL SEALERS. RD BLUE JET. PUMPED PREPAD @ 30 BPM @ 1732 #. STEPPED DOWN RATE TO 25 BPM @ 1465 #. STEPPED DOWN RATE TO 20 BPM @ 1175 #. STEPPED DOWN RATE TO 10 BPM @ 700 #. ISIP 520 # - 5 MIN 449 # - 10 MIN 405 # - 15 MIN 359 # - 20 MIN 303 # - 25 MIN 242 # - 30 MIN 182 #. FRAC'D THE PICTURED CLIFFS W/ 70 Q 25 # LINER FOAM, 76,123 # 20/40 BRADY SAND, 360,00 SCF N2, 555 BBLS FLUID. AVG RATE 40 BPM. AVG PRESSURE 1770 #. MAX PRESSURE 1850 #. MAX SAND CONS 4 # PER GAL. ISIP 1193 #. FRAC GRADIENT .66. SWI. RD HALLIBURTON.
1/24/2002	SAFETY MEETING. Road rig to location. Spot rig an equipment, rig up. Csg press. 420#. RU 2" flowline to pit, open up well to pit. Flowed well from 1:00 PM to 5:00 PM, press down to 50# on csg. Well flowing back some water an light sand. Well flowing thur 2" pipe. Well was flare from start. Flow rate 1245Mcf. Shut well in.
1/24/2002	Csg. press.420#, Blow well down, pump 20BBIs of KCL. Kill well, RD Frac valve, RUBOP. RU floor, test BOP. 250#, 3000# on pipe rams an blinds. Tested okay. RU blewly line. Pick up an RIH with tbg.(2 3/8") tally in. Tag up on fill at 2351'. RU air unit, clean out to 2457'. (float collar)Unload well, well making water an some sand. Shut down air, PU tbg to 2351'. Shut well in.
1/25/2002	Safety meeting, Csg press.420#, tbg. press. 400#, Blow down well, RIH with tbg. tag fill at 2426'. Made 31' of fill. RU air unit, clean out fill to 2457'. UNload well, making some water an sand. Shut down air, pu tbg to 2350'. Flowed well for three, hours. RIH with tbg tag fill at 2449'. Made 3 feet of fill. RU air, clean out to 2457'. PU tbg, flowed well for 2 hours, RIH with tbg. tag fill at 2453'. Made 4 feet of fill. RU air, clean out to 2457'.RU air, clean out fill to 2457'. PU tbg. to 2351'. RD air, Secure well SDFN
1/28/2002	Safety meeting, csg press.420# tbg. press. 410#. Open up well on 1/2" choke. avg. tbg. press. 100#, csg. press. 170#. 624 MCF, 2Bbls of water. End of tbg at 2351'. Day of test 1-29-02, witness. by. J. Valdez, CONOCO. Gilbert Bennet, Key energy. Gas will be going to El Paso. PC perfs from, 2279' thur 2351'. 30 holes. Blow well down, RIH with tbg. tag fill at 2447'. RU air, clean out fill to 2457'. Made soap sweeps. from there. Shut down air, PU tbg. to 2351'. Secure well SDFN
1/29/2002	Safety meeting, check press. 420# csg. press. 410# tbg. press. Blow well down, RIH with tbg. tag fill at 2466'. 1',of fill. RU air unit clean out fill to 2467'. UNload well. Shut down air, PU tbg, lay down 5 joints, land tbg at 2306'. RD floor, NDBOP,NUWH. Shut in well for 2 hours, open up tbg.,well flowing, 80# on tbg. 280# on csg. Shut well in. RD flow lines. Rig down, move off. Last report. Well left shut in, no flow line.