

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 ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen
Other _____

2. Name of Operator
CONOCO INC
Contact: DEBORAH M. BERRY
E-Mail: deborah.moore@usa.conoco.com

3. Address PO BOX 2197, DU 3084
HOUSTON, TX 77252-2197
3a. Phone No. (in this area code)
Ph: 281.293.1605

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWSW 1168FSL 1090FWL 36.67236 N Lat, 107.78098 W Lon

At top prod interval reported below

At total depth

14. Date Spudded
04/18/1957
15. Date T.D. Reached
04/28/1957
16. Date Completed
☐ D & A ☒ Ready to Prod.
05/04/1957 10-5-2001

18. Total Depth: MD 5012
TVD
19. Plug Back T.D.: MD 4961
TVD
20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL
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 Top*	Amount Pulled
13.250	10.750	33.0		241	254	250			
9.875	7.625	26.0		2666		250			
6.750	5.500	16.0		5009		300			

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	4744							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PICTURED CLIFFS	2584	3516	2584 TO 3516	0.500	26	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
2584 TO 3516	FRAC W/1000 GALS HCL ACID, 99,792# 20/40 SAND

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
10/08/2001	09/27/2001	24	→	0.0	990.0	3.0			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	275.0	→					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		→						

ACCEPTED FOR RECORD
NOV 07 2001
FARMINGTON FIELD OFFICE
BY *[Signature]*

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

ELECTRONIC SUBMISSION #8142 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMCCB

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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):
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
MESAVERDE OJO ALAMO	1493	1614		MESAVERDE OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS CLIFF HOUSE POINT LOOKOUT MANCOS MENELEE	1493 1615 2220 2554 4211 4816 4995 5236

32. Additional remarks (include plugging procedure):
This well is now a downhole trimingle in the Aztec Pictured Cliffs, Otero Chacra and Blanco Mesaverde.

Attached are the daily summaries.

This was submitted to revise spud date TD date, complete date (#14,15,16)

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 #8142 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Maurice Johnson on 10/22/2001 (02MXJ0071SE)

Name (please print) DEBORAH MARBERRY Title SUBMITTING CONTACT

Signature _____ (Electronic Submission) Date 10/22/2001

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.

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

Revisions to Operator-Submitted EC Data for Well Completion #8142

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMSF 04202	NMNM04202
Agreement:		
Operator:	CONOCO INC. P.O. BOX 2197 DU 3066 HOUSTON, TX 77252 Ph: 281.293.1005	CONOCO INC PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197 Ph: 281.293.1613
Admin Contact:	DEBORAH MARBERRY SUBMITTING CONTACT E-Mail: deborah.moore@usa.conoco.com Ph: 281.293.1005 Fx: 281.293.5466	DEBORAH MARBERRY SUBMITTING CONTACT E-Mail: deborah.moore@usa.conoco.com Ph: 281.293.1005 Fx: 281.293.5466
Tech Contact:		
Well Name:	JOHNSTON LS	JOHNSTON LS
Number:	6X	6X
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
S/T/R:	Sec 10 T28N R8W Mer NMP	Sec 10 T28N R9W Mer NMP
Surf Loc:	SWSW 1168FSL 1090FWL	SWSW 1168FSL 1090FWL 36.67236 N Lat, 107.78098 W Lon
Field/Pool:	AZTEC PICTURED CLIFFS	BLANCO
Logs Run:	CBL	CBL
Producing Intervals - Formations:	AZTEC PICTURED CLIFFS	PICTURED CLIFFS
Porous Zones:	OJO ALAMO	MESAVERDE OJO ALAMO
Markers:	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS LEWIS CLIFF HOUSE MENEFEE POINT LOOKOUT MANCOS	MESAVERDE OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS CLIFF HOUSE POINT LOOKOUT MANCOS MENEFEE

Daily Summary

API	300450756200	County	SAN JUAN	State/Province	NEW MEXICO	Surface Legal Location	NMPM-28N-9W-10-D	NS Dist. (ft)	1168.0	NS Flag	N	EW Dist. (ft)	1090.0	EW Flag	W
KB Elev (ft)	6243.00	Ground Elev (ft)	6233.00	Plug Back Total Depth (ftKB)	4,961.0	Spud Date	4/18/1957	Rig Release Date		Latitude (DMS)	36° 40' 20.496" N	Longitude (DMS)	107° 46' 51.6" W		
Start		Ops This Rpt													
9/13/2001		Road rig to location. Spot rig. SDON													
9/14/2001		Safety mtg. Spot all equipment and rig up. 290 psi on csg/tbg. Bleed down csg. Kill tbg with 20 bbls KCL water. ND wellhead. Install BPV. NU BOPs. Test BOPs to 250/2000 psi (note 2M# wellhead). Pull BPV. SDON.													
9/17/2001		Safety mtg. 220 psi csg/tbg. Kill tbg w/ 10 bbls KCL water. POH w/ 158 jts 2 3/8" tbg (strap- 4922'). TIH w/ 120 jts and set 51/2" CIBP @ 3710'. Circulate and clean out hole w/ 90 bbls KCL water. Test csg integrity to 500 psi w/ rig pump, OK. POH w/ 120 jts tbg. LD setting tool. Replace 2- 2" csg valves on 5 1/2" head. SION.													
9/18/2001		Safety mtg. RU BlueJet and run CBL from 3706' to 2394'. TOC @ 3370'. Contact Craig Moody (Conoco Engineer). RIH with perf gun and shoot 3-3/4" squeeze holes @ 2660' (6' above 7 5/8" csg shoe) in 5 1/2" csg. POH with WL and RD BlueJet. RU and circulate 80 bbls 2% KCL water down 5 1/2" csg and up & 7 5/8" X 5 1/2" csg ann., this displaced old mud that was in ann. SION.													
9/19/2001		Safety mtg. Circulate 40 bbls 2% KCL water around and up 7 5/8" csg ann. till returns were clear. Safety mtg w/ crew and BJ cement crew. RU BJ. Test lines to 2500 psi. Pressure up Backside of pkr to 500 psi. Est inj rate @ 2 bpm w/ 360 psi. Mix & pump 72 bbls slurry of 12.5 ppg BJ Lite-High Strength cmt w/ 1.97 cuft/sx yield (205 sx). SD for 3 minutes to flush Pump and lines. Displaced w/ 13 bbls water Est 3 bbls inside 5 1/2" (ETOC @ 2534'). Approx 13 bbls cmt to surface, approx 10 bbls slipped down hole. RD BJ. SION (24 hrs before tag).													
9/20/2001		Safety mtg. Unseat haliburton 5 1/2" RTTS pkr. POOH w/ 26 jts. PU 4 3/4" bit, 6 DCs, and 26 jts tbg. Tag TOC @ 2547'. Drill out cement with 5 jts tbg. circulate clean @ 2704'. TIH with 32 jts tbg and tag CIBP @ 3710'. POOH with tbg and drill collars. SION.													
9/21/2001		Safety mtg. PU 1 jt tbg and Haliburton Tension pkr. RIH and set pkr 1jt down. WO Quadco. RU Quadco and test csg to 3000 psi, OK. Release pkr. RU BlueJet and Preforate Chacra formation as follows:Used 2 guns (3 1/8", 90 deg.PP, w/ 12 g 306T chgs @ .34"dia.). From 3651' to 3625' @ .5 spf, 14 holes. From 3550' to 3542' @ 1 spf, 9 holes. From 3525' to 3516' @ 1 spf, 10 holes. Total 33 holes. RD Bluejet. Prepare for frac. SION.													
9/22/2001		Safety mtg. RU Stinger wellhead isolation tool. RU BJ Frac equipment. Frac Chacra formation. Safety mtg. Set Pop-off valve @ 2800 psi. Est inj. Intial ISIP 155 psi. Pump 1000 gals 15% HCL acid and drop balls. Very little ball action noted w/ 1600 psi max press. Remove ball gun. Press test lines. Est Step rate 880 @ 24.5 bpm, 470 @ 9.9 bpm. ISIP- 120 psi. Pump 83 bbls pre-pad. Pump 5 stages of .5,1,2,3,4 pound sand w/ 65 Q N2 foam and place 99,560 lbs 20/40 Brady sand. Flushed @ 3.00 # at in-line densometer w/ 79 bbls - 0 overflush. Fluid to recover: 485 bbls. SI well till Monday.													
9/24/2001		Safety mtg. RU Bluejet. Attempt to set Composite BP, plug set in lubricator. RD lubricator and Ru new one. RIH w/CIBP and set @ 2710'. Unable to bleed down csg, believe CIBP leak. RIH and set second CIBP top of last one @2708'. Bled down csg. Test csg with rig pump, OK. RIH and perforate PC formation w/ 3 1/8", 90 deg PP, 12 g 306T chgs @ .34" dia.; From 2610' to 2592' @ .5 spf, 10 holes. From 2584' to 3516' @ .5 spf, 16 holes. Total of 26 holes. Safety mtg. RU BJ acid equipment. PT lines. Set Pop-off valve. Est. inj rate, formation BD @ 2000 psi, Intial ISIP- 370 psi. Pump 1000 gals. HCL acid w/ balls, flush w/ 2% KCL water. Good ball-out, ISIP-320 psi. Retrieve balls. RD BlueJet. RD BJ acid equipment. RU Sting wellhead isolation tool. Safety mtg. PT lines to 4000 psi. Re-set pop-off valve to 2600 psi. Pump 150 bbls Pre-pad. Placed 99,792 # 20/40 Brady sand in 5 stages from .5 # to 4 #. Max press 1730 psi, Min press 1300 psi, Avg 1450 psi. Flush w/ 51 bbls foam, No overflush. Final ISIP - 1050 psi, 5 min - 955 psi. (no step rates due to high intial injection prssure). Post-Job safety mtg. RD BJ Frac equipment and Stinger. SION.													
9/25/2001		Safety mtg. 525 psi SICP. Flowback well (Csg side) thru 1/2" choke @ 95 psi. Lots of frac sand in initial returns. RU Universal gas compressor #400126,#7xxx. To late for Comp mechanic to arrive. Flow well overnight. L&R Drywatch worked the night. flowed @ 135 psi from 0200 till 0700 hrs. (calc'd @ 891 mcf/d). Liquids and sand slowed down to lite.													
9/26/2001		Safety mtg. 155 psi SICP. TIH w/ 4 3/4" mill, 6 DCs, on 78 jts 2 3/8"tbg. Tag @ 2594'. Unload well @2552'. CO to 2645. LD 3 jts tbg. SION.													
9/27/2001		Safety mtg. 420 psi SICP/ 500 psi SITP. Set EOT @ 2552'. Flow test well. Pressures stablized @ FTP- 150 psi, SICP @ 275 psi thru 2" line w/ 1/2" choke for 4 hrs. (PC test calc'd @990 MCFD). No oil, 3 bbls fluid, no sand. Witnessed by J. Becksted and Genaro Maez. SION.													
9/28/2001		Safety mtg. bled well down. Kill tbg w/ 2 % KCL water. TIH tag fill @ 2635'. CO to 2710'. Mill out 1st CIBP. Push 2nd CIBP to 2770' (Lower CIBP had not set completely). POOH w/ 7 jts tbg. SION.													
10/1/2001		Safety mtg. 550 psi SICP/530 psi SITP. Bled down csg. Kill tbg. TIH w/ 26 jts tbg. Unload well @ 3425'. RU swivel and CO to 3608'. tooh w/ 32 jts tbg. SION.													
10/2/2001		Safety mtg. 550 psi SICP/520 psi SITP. Bled down csg. Kill Tbg w/ 2% KCL water. TIH and tag @ 3608'. CO to CIBP @ 3710'. POH w/ 39 jts. EOT @ 2550'. Flowtest combined PC/Chacra overnight.													
10/3/2001		Safety mtg. 230 psi FTP w/ 1/2" choke (calc'd @ 1.518 mcf/d), dry gas only. 270 psi csg. Witnessed by Jon Becksted / Genaro Maez. Bled down well. Kill tbg TIH mill on CIBP @ 3710'. POOH w/ tbg and collars. Took 200 bbls to kill well for trip out. Replace mill and trip in w/ collars and 30 jts tbg. SION.													
10/4/2001		Safety mtg. Bled well down. Kill well w/ 100 bbls 2% KCL water. TIH w/ tbg. Tag CIBP @3710'. Mill out CIBP 1 hr. TIH w/ tbg. Tag fill @ 4919'. CO to 4947'. Solid cement like fill. Circulate clean. POH 76 jts. SION.													
10/5/2001		Safety mtg. 400 psi SITP/SICP. Bleed down csg. Kill tbg w/ 220 bbls 2% KCL water. POOH w/ tbg, LD DCs. TIH w/ 2 3/8" production tbg. Unload well @ 4733'. Flow well thought tbg w/ 1/2" choke overnight.													