

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Engery, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CONOCO, INC. 10 Desta Drive, Suite 100 West Midland, TX 79705-4500		² OGRID Number 005073
		³ Reason for Filing Code Change of Operator 1/1/98
⁴ API Number 30-045-22827	⁵ Pool Name BLANCO MESAVERDE	⁶ Pool Code 72319
⁷ Property Code	⁸ Property Name MOORE LS	⁹ Well Number 2A

II. ¹⁰ Surface Location

Ul or lot no. E	Section 26	Township 32N	Range 12W	Lot.Idn	Feet from the 1645	North/South Line N	Feet from the 1090	East/West line W	County SJ
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¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description

IV. Produced Water

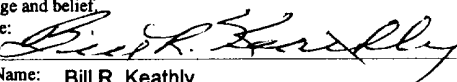
²³ POD	²⁴ POD ULSTR Location and Description
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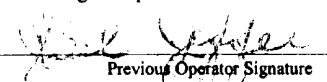
V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforation	³⁰ DHC,DC,MC
³¹ Hole Size	³² Casing and Tubing Size	³³ Depth Set	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION Approved by: Frank T. Chavez Title: Supervisor District #3 Approval Date:
Printed Name: Bill R. Keathly Title: Sr. Regulatory Specialist Date: January 1, 1998 Phone: (915) 686-5427	

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator	Amoco Production Company	OGRID# 000778
 Previous Operator Signature	Gail Jefferson Printed Name	Senior Administrative Staff Assistant Title 1/1/98 Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals		5. LEASE DESIGNATION AND SERIAL NO. SF 078147																					
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																					
SUBMIT IN TRIPLICATE		7. IF UNIT OR CA, AGREEMENT DESIGNATION MOORE LS																					
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	8. WELL NAME AND NO. MOORE LS #2A																						
2. NAME OF OPERATOR CONOCO INC.	9. API WELL NO. 30-045-22827																						
3. ADDRESS AND TELEPHONE NO. 10 Desta Drive, Suite. 100W Midland, Texas 79705-4500 (915) 686-5424	10. FIELD AND POOL, OR EXPLORATORY AREA BLANCO MESA VERDE																						
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1645' FNL & 1090' FWL, UNIT LETTER 'E', SEC. 26, T32 - R12W	11. COUNTY OR PARISH, STATE SAN JUAN COUNTY, NM																						
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																							
<table border="1"><thead><tr><th>TYPE OF SUBMISSION</th><th colspan="2">TYPE OF ACTION</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/> Notice of Intent</td><td><input type="checkbox"/> Abandonment</td><td><input type="checkbox"/> Change of Plans</td></tr><tr><td><input type="checkbox"/> Subsequent Report</td><td><input type="checkbox"/> Recompletion</td><td><input type="checkbox"/> New Construction</td></tr><tr><td><input type="checkbox"/> Final Abandonment Notice</td><td><input type="checkbox"/> Plugging Back</td><td><input type="checkbox"/> Non-Routine Fracturing</td></tr><tr><td></td><td><input type="checkbox"/> Casing Repair</td><td><input type="checkbox"/> Water Shut-Off</td></tr><tr><td></td><td><input type="checkbox"/> Altering Casing</td><td><input type="checkbox"/> Conversion to Injection</td></tr><tr><td></td><td><input checked="" type="checkbox"/> Other: <u>Squeeze</u></td><td><input type="checkbox"/> Dispose Water</td></tr></tbody></table> <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)</small>			TYPE OF SUBMISSION	TYPE OF ACTION		<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing		<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off		<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection		<input checked="" type="checkbox"/> Other: <u>Squeeze</u>	<input type="checkbox"/> Dispose Water
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) 06/30/98 Ron Bishop got verbal approval from Wayne Townsend for squeeze on Moore LS #2A SEE ATTACHED PROCEDURE <div style="text-align: center;">RECEIVED OCT 5 1998 OIL CON. DIV. DIST. 3</div> <div style="text-align: right;">93 JUL -2 PM 3:16 OIL CON. DIV. NM</div>																							
14. I hereby certify that the foregoing is true and correct																							
SIGNED <u>Sylvia Johnson</u> TITLE <u>SYLVIA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>07/02/98</u> (This space for Federal or State office use)																							
APPROVED BY <u>/s/ Duane W. Spencer</u> TITLE _____ DATE <u>OCT - 1 1998</u> Conditions of approval, if any: _____																							
Title 18 U.S.C. Section 1001, makes 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.																							

COPY TO:
Moore LS #2A
Menefee Pay Add
April 8, 1998

DEBRA
505-325-1745
FROM: DENNIS WILSON

7-1-98

API # 30-045-2282700

Location - Sec 26, T32N, R12W, 1625' FNL, 1090' FWL, San Juan County, New Mexico.

Objective

Funds in the amount of \$85,000 are requested to add Menefee pay in the Moore LS #2A and squeeze off wet Mesaverde Cliffhouse interval (4577' - 4678'). The well has additional Menefee pay between (4863' - 5020') that will be perforated and fracture treated. Addition of this pay and squeeze should result in a production increase of 300 mcf/d.

Well History and Completion Information

Files indicate Moore LS #2A is MV well w/ single string of 2 3/8" tbg to 5451'. Spud date 5-26-78 and completed 7-13-78. Well changed name from Moore #2A to Moore LS #2A in '85. MV Cliffhouse pay (4577' - 4678') was added in 1985 and has proven to be wet and has impaired production from this well.

EL: 6310'; KB: 6320'; TD: 5570'; PBTD: 5551'; COTD: 5521'

CASING: 4 1/2" liner, 10.5#, KS, 77 joints (2523') set @ 5568', TOL @ 3045'; cemented w/ 439 cf, TOC @ TOL' (reversed out 15 bbl.)

7", 20# J-55, 99 jts. set @ 3199', cemented w/ 353 cf, (TOC @ 2200')

9 5/8", 36#, K-55, 5 jts. set @ 226', cemented with 224 cf, TOC (circ to surf)

TUBING: 2 3/8" EUE, 4.7#, 8rd J-55 176 jts. set @ 5451' w/SN & mud anchor (5419') 1 joint from bottom.

FORMATION TOPS:

MV CLHS - 4577

MV MEN - 4836

MV PLO - 5100

EXISTING PERFS:

MV CLH: 4577' 4678' (2SPF)

MV PLO: 5116', 5121', 5125', 5146', 5152', 5158', 5164', 5170', 5176', 5203', 5212', 5230, 5248', 5263', 5272', 5279', 5305', 5328', 5354', 5387', 5451', 5513' (1 SPZ)

PROPOSED PERFS:

Menefee perfs (18 holes) 4863, 65, 95, 97, 4923, 32, 42, 44, 64, 66, 68, 77, 95, 98, 5000, 16, 18, 20

Correlate to 6/03/78 Schlumberger Compensated Formation Density Log

Notes: Well recently acquired from Amoco. Minimal information in Amoco files.

COPY

**Moore LS #2A
Menefee Pay Add
April 8, 1998**

1. **Pre Work**
 - A. Locate and test deadman anchors. Spot flowback pit (20x20) and prepare. Inform operator of work to be done and time frame. Check for location size and equipment placement. Identify any hazards (power lines, H2S, tight equipment fits).
 - B. Have pressure gauges on both casing and tubing when necessary (during acid, frac, testing).
 - C. Hold Safety Meeting before rigging up to discuss potential hazards and meeting place in case of an emergency.
2. **Pull Tubing** (Files indicate that there is no packer.)
 - A. RU. Blow well down and kill with minimum amount of 1% KCl. NU BOP's
 - B. POOH w/ 176 joints 2 3/8" tbg string w SN & mud anchor 1 joint from bottom.
3. **Set Bridge Plug/ RIH with Cement Retainer/ Test Upper Casing/ Squeeze Cliffhouse**
 - A. RU wireline and RIH gage ring to 5116' & POOH (If can't get down make bit and scraper run).
 - B. RIH wireline & EZ-Drill BP and set @ 5070'
 - C. RIH with work string and cement retainer and set @ 4550'.
 - D. Pressure test upper casing to 2000# for leak.
 - E. Squeeze MV Cliffhouse (4577' 4678') off with 100 sxs class B cement.
4. **Drill Out Cement & Clean Out to BP and Perforate Menefee Pay Add**
 - A. RIH w/gaged bit for 4-1/2", !0.5#, KS liner, TOL @ 3045', drill out retainer and cement and clean out to 5060'. Do not drill BP @ 5070'.
 - B. RU wireline and perforate MV Menefee correlate to 6/3/78 Schlumberger Compensated Formation Density Log. Perforate with 18 select fire shots using a 3 1/8" HSC w/ .32" holes as follows (22 GRAMS OR HIGHER): 4863, 65, 95, 97, 4923, 32, 42, 44, 64, 66, 68, 77, 95, 98, 5000, 16, 18, 20.
4. **RIH Frac String and Packer and Frac Menefee Pay Add**
5.
 - A. RIH with frac string and 4-1/2" packer, spot 15 % HCl across perms, and set packer at 4820'.
 - B. Break down perms with 10bbbls. acid balling off as per BJ's procedure.
 - C. Proceed with single stage slick water frac as per BJ's procedure.
5. **Flow Back Clean Up/ POOH Frac String/ Drill BP and Clean Out to PBTD**
 - A. Flow back and clean up after frac.
 - B. POOH frac string and packer laying down.
 - C. RIH with work string and gaged bit for 4-1/2" casing and clean out to and drill EZ-Drill BP @ 5070', continue to clean out to COTD @ 5521'. POOH work string and bit laying down.

COPY

**Moore LS #2A
Menefee Pay Add
April 8, 1998**

7. Run Production Tubing & Return Well to Production

Run 2-3/8" production tubing (w/ SN for plunger lift one joint off bottom) and set @ 5513' (mid perms).
Install plunger & put in swab mode; put on production. Monitor well for rate at least one week.

West Team