

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. SF-078336-B
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 800, Denver, CO 80201 (303) 830-4988		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1640' FNL 2215' FEL Sec. 20 T 31N R 9W Unit G		8. Well Name and No. Barrett A 1E
		9. API Well No. 3004525943
		10. Field and Pool, or Exploratory Area Blanco Mesaverde
		11. County or Parish, State San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input checked="" type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Downhole Commingle <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Amoco Production Company requests permission to recompleat this well to the Mesaverde and to downhole commingle the Mesaverde and Dakota per the attached procedures. DHC approval is pending from NMOCD.

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MAY - 1 1996
OIL COM. DIV.
DIST. 8

14. I hereby certify that the foregoing is true and correct	
Signed Patty Haeefe	Title Staff Assistant
(This space for Federal or State office use)	
Approved by	Title
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.	
NMOCD	

APPROVED
Date **04-23-1996**

APR 26 1996

DISTRICT MANAGER

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

District II

811 South First, Artesia, NM 88210

District III

1898 Rio Brazos Rd., Aztec, NM 87410

District IV

2048 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Hold C-104 for
NSL

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-25943		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 000302		5 Property Name Barrett A			6 Well Number 1E
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 6262'

10 Surface Location

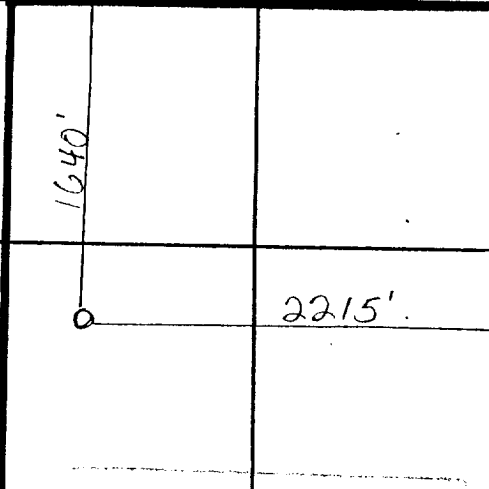
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	20	31N	9W		1640	North	2215	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320.71	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Patty Haeefe</u> Patty Haeefe Printed Name Staff Assistant Title 4/16/96 Date			
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12/30/83 Date of Survey Signature and Seal of Professional Surveyer: on file 3950 Certificate Number			

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MAY 1 1996
OIL CONSERV. DIV.
DIST. 3

SJOET Well Work Procedure

Barrett A 1E

Version: #1
Date: April 16, 1996
Budget: Recompletion
Work Type: Perf-Frac/Cleanout

Objectives:

1. Recomplete MV/Downhole commingle DK and MV
 2. C/O Fill; Land TBG mid-lower DK perfs
 3. Place well back on production
-

Pertinent Information:

Location:	1640'FNLx2215'FEL; Sect. 20G-T31N, R09W	Horizon:	DK/MV
County:	San Juan	API #:	30-045-25943
State:	New Mexico	Engr:	Kutas
Lease:	Federal SF 078336-B	Phone:	H--(303)840-3700
Well Flac:	97985001		W-(303)830-5159
			P--(303)553-6334

Economic Information:

APC WI:	50%	DK Prod. Before:	0 MCFD
Estimated Cost:	\$150,000	DK Antic. Prod.:	60 MCFD
Payout:	2.1 years	Anticipated MV Prod.:	400 MCFD
Max Cost -12 Mo. P.O.		Anticipated Total Prod.:	460 MCFD
PV15:			
Max Cost PV15:			

Note: Economics will be run on all projects that have a payout exceeding ONE year.

Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	4980-5390'
Ojo Alamo:	1760-1800'	Point Lookout:	5370-5690'
Kirtland Shale:	1800-2715'	Mancos Shale:	5690-6655'
Fruitland:	2715-3110'	Gallup:	6655-7380'
Pictured Cliffs:	3110-3180'	Graneros:	7428-7490'
Lewis Shale:	3180-4920'	Dakota:	7490-TD
Cliff House	4630-4980'	Morrison:	

Bradenhead Test Information:

Test Date: 8/93 DK Tubing: 311 Casing: 466 BH: 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments: No Flow.

1. MIRSU. Lower TBG and tag for fill (2 3/8" TBG SA 7583' w/SN at 1 jt. off bottom). Tally out of hole. Note: 10/25/95 WL tag fill at 7708', indicating fill covering perms at 7712-17' and 7722-24'.
2. RU HES W.L.. Run gauge ring to ensure clean casing. Set CIBP at 6000'. Pressure test CSG to 3000 psi. Run GR/CCL/CBL from 6000' to TOL at 3473'. Tie into Gearhart IDL-GR log dated 5/13/83 for depth control. CBL log run during completion indicated good bonding to top of log interval at 5000'.
3. RU perforating equipment. Perforate PLO pay intervals using limited entry techniques. Utilize 3 1/8" HCP w/ 12.5 g charges (0.34" EHD, 13.13" Penetration).
4. Break down perforations using 2% KCl water/500 gal 7 1/2% FeHCl and 7/8" RCN balls w/ 1.1 SG. Recover balls with junk basket.
5. RU fracture stimulation equipment. Fracture stimulate PLO pay according to frac schedule A. Flowback well as soon as stimulation equipment is disconnected and moved off. Flow well back starting with 1/4" choke gradually increasing to 1/2" choke. Flow well back overnight or over weekend. Record flowing and shutin pressures, choke size, and liquid recoveries.
6. TIH w/ wireline and tag for fill. If sand fill is below next perf interval(s) then set wireline CIBP between MN and PLO. Clean out fill prior to proceeding with completion if needed to set CIBP.
7. Once CIBP is set, pressure test to ensure good seal.
8. RU perforating equipment. Perforate MN pay intervals using limited entry techniques. Utilize 3 1/8" HCP w/ 12.5 g charges (0.34" EHD, 13.13" Penetration).
9. Break down perforations using 2% KCl water/500 gal 7 1/2% FeHCl and 7/8" RCN balls w/ 1.1 SG. Recover balls with junk basket.
10. RU fracture stimulation equipment. Fracture stimulate MN pay according to frac schedule A. Flow back well as soon as stimulation equipment is disconnected and out of the way. Flow well back starting with 1/4" choke gradually increasing to 1/2" choke. Flow well back overnight or over weekend. Record flowing and shutin pressures, choke size, and liquid recoveries.
11. TIH w/ wireline and tag for fill. If sand fill is below next perf interval(s) then set wireline CIBP between CH and MN. Clean out fill prior to proceeding with completion if needed to set CIBP. Once CIBP is set, pressure test to ensure good seal.
13. RU perforating equipment. Perforate CH pay intervals using limited entry techniques. Utilize 3 1/8" HCP w/ 12.5 g charges (0.34" EHD, 13.13" Penetration).
14. Break down perforations using 2% KCl water/500 gal 7 1/2% FeHCl and 7/8" RCN balls w/ 1.1 SG. Recover balls with junk basket.
15. RU fracture stimulation equipment. Fracture stimulate CH pay according to frac schedule A. Flow back well as soon as stimulation equipment is disconnected and out of the way. Flow well back starting with 1/4" choke gradually increasing to 1/2" choke. Flow well back overnight or over weekend. Record flowing and shutin pressures, choke size, and liquid recoveries.
16. TIH w/ tubing x bit and scraper. Clean out fill and CIBPs to PBD at 7735'. LD BxS.
17. TIH and land 2 3/8" production tubing at approximately 7700' (w/1/2 mule shoe on bottom w/ seating nipple one joint up). Swab well in if necessary. RDMOSU.
18. Obtain gas and water samples. SI well pending equipment hook up. Turn well over to production.

If problems are encountered, please contact:

Mikg Kutas

(W) (303) 830-5159

(H) (303) 840-3700

(P) (303) 553-6334

Amoco Production Company

ENGINEERING CHART

Sheet No _____ Of _____
 File _____
 Appn _____
 Date 10-26-95
 By G.M.K.

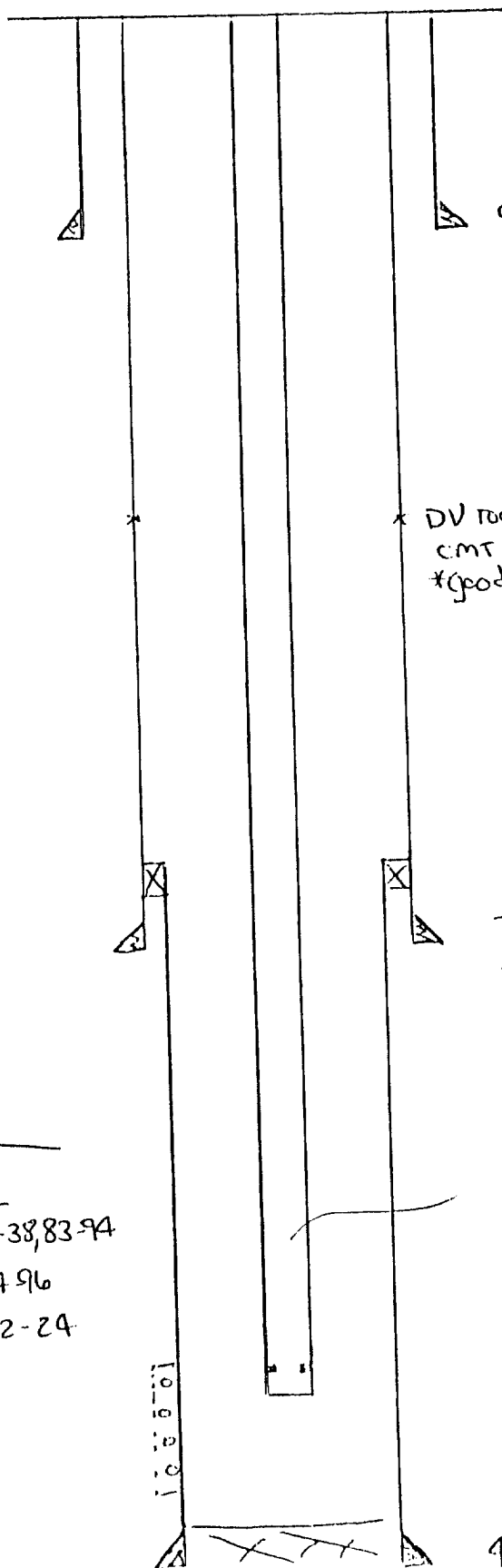
SUBJECT

BARRETT A 1E DK

SECT 20G-T31N-R9W

3004525943

W.I. = 0.5



9 5/8" CSA 325'

36# K55

CMT w/ 225 SXS Class B + 1/4" CCL + 2% CCL₂

CMT Circ'd

* DV Tool @ 1835'

CMT w/ 225 SXS Class B w/ 35 Ro 2 + 1/4" CCL + 2% CCL₂

* Good Circ - NO CMT TO SURF

TOC @ 175' by Temp log

CBL: * Good Bond TO TOLI @ 5000'

7" CSA 3680'

23# K55

CMT w/ 240 SXS Class B + 1/4" CCL + 2% CCL₂

* Good Circ - NO CMT TO SURF

2 3/8" TSA 7583' 4.7# J55

1.78" ID SN @ 1 ft OFF BTM

PERFS

7490 - 7512

7518 - 24, 34 - 38, 83 - 94

7640 - 43, 94 - 96

7712 - 17, 22 - 24

4 1/2" LSA 3173 - 7738'

116# K55 + 10.5# K55