

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RECEIVED
MAIL ROOM

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

SUNDRY NOTICES AND REPORTS ON WELLS: 27

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.

BLANCO MESAVARDE, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Patty Haeefe

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1120' FSL 950' FEL

Sec. 2 T30N R11W

5. Lease Designation and Serial No.

SF-078144

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Blanco Com 1-1A

9. API Well No.

3004525441

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

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Bradenhead

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 do a bradenhead repair per the attached procedure.

14. I hereby certify that the foregoing is true and correct

Signed Patty Haeefe Title Staff Assistant

Date 9/8/95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

NMOCO

APPROVED

SEP 14 1995

DISTRICT MANAGER

BLANCO COM 1-1A

VERSION: #1
Date: August 4, 1995
Budget: DRA/Repair Well
Repair Type: Bradenhead Remediation

OBJECTIVES:

1. Remediate steady flow of clear water to insure zonal isolation behind casing
 2. Place well back on production
-

PERTINENT INFORMATION:

Location:	1120' FSL x 950' FEL, P02-T30N-R11W	Horizon:	DK/MV
County:	San Juan	API #:	30-045-25444
State:	New Mexico	Engr:	Kutas
Lease:		Phone:	H--(303)840-3700
Well Flac:	979791		W--(303)830-5159
			P--(303)553-6334

ECONOMIC EVALUATION:

APC WI:	50%	DK Prod. Before Repair:	0	MCFD
	52%	MV Prod. Before Repair:	0	MCFD
Estimated Cost:	\$35,000	DK Anticipated Prod.:	75	MCFD
		MV Anticipated Prod.:	75	MCFD
Payout:	18.5 Months (Risky @ 42%)			
Max Cost -12 Mo. P.O.	\$			
PV15:	\$M			
Max Cost PV15:	\$M			

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

FORMATION TOPS: (Estimated formation tops)

Nacimiento:		Menefee:	4193-4683'
Ojo Alamo:	1010-1092'	Point Lookout:	4683-4981'
Kirtland Shale:	1092-2100'	Mancos Shale:	4981-5950'
Fruitland:	2100-2398'	Gallup:	5950-6684'
Pictured Cliffs:	2398-2532'	Graneros:	6746-6798'
Lewis Shale:	2532-4020'	Dakota:	6798'-TD
Cliff House:	4020-4193'	Morrison:	

BRADENHEAD TEST INFORMATION:

Test Date: 7/17/95 Tubing: 265 psi Casing: 269 psi BH: 15 psi

Time	BH	CSG	INT	CSG
5 min	3	269	N/A	

10 min	3	269	N/A
15 min	2	270	N/A

DETAILED PROCEDURE:

1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Install and/or test anchors on location.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Blow down well. Attempt to work well hot. Kill well, if necessary to work well safely, with 2% KCL water.
6. ND wellhead. NU and pressure test BOP's.
7. TIH and tag top of pkr @ 4870', check for fill. Trip and tally out of hole with short string, checking condition of tubing. Tag PBD with wireline on long string. Trip and tally out of hole with long string, checking condition of tubing.
8. TIH with bit and scraper to top of MV perforations @ 4685'. A seating nipple and standing valve may be run in order to pressure test tubing. TOH.
9. TIH with RBP and packer. Set RBP 50-100 ft. above MV perforations. TOH one joint and set packer. Pressure test RBP to 1500 psi.
10. Pressure test casing above packer. Isolate leak, if any, by moving packer up the hole and repeating pressure test.

NOTE: If this can not be accomplished, contact Mike Kutas in Denver at (303) 830-5159.

11. Establish injection rate into leak, if found, and attempt to circulate to surface.
12. Release packer, spot sand on RBP and TOH with packer.
13. Run, if necessary, a CBL and CCL to determine cement top.
14. Perforate casing above cement top, if necessary, with 4 JSPF and circulate dye to determine cement volume.
15. Depending on depth of hole and circulating pressure, a packer or cement retainer may be needed.
16. Mix and pump sufficient cement (Class B or equivalent, with a setting time of 2 hours) to circulate to surface. Shut bradenhead valve and attempt to walk squeeze to obtain a 1000 psi squeeze pressure. WOC.
17. TIH with bit and scraper and drill out cement. Pressure test casing to 1000 psi. TOH with bit and scraper.

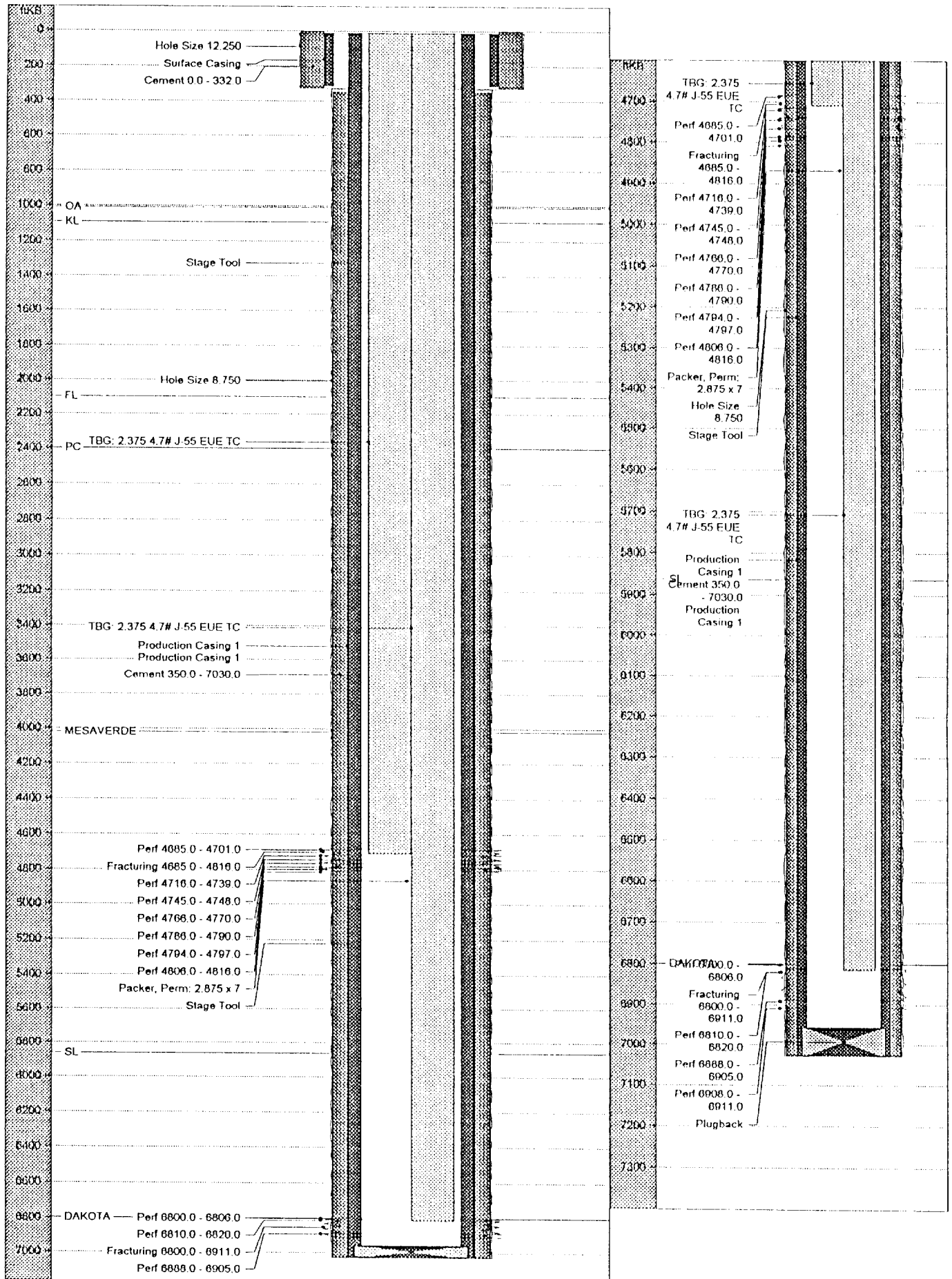
18. TIH with retrieving head for RBP. Circulate sand off of RBP and TOH with RBP.
19. TIH with sawtooth collar and/or bailer and clean out hole to PBTD, if fill was found in step 7. TOH.
20. TIH with long and short production strings (long string: 1/2 mule shoe on bottom and seating nipple one joint off bottom, short string: perf sub and SN on btm). Land long string @ 6900' and short string @ 4745'. NDBOP. NU wellhead.
21. Swab well in and put on production.
22. RDMOSU.
23. Take final bradenhead pressures and log date and pressures in CRWS.

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159

(H) (303) 840-3700



BLANCO COM 1-1A /DAK/ A001P02	
979791	
General Well Information	
County/State: SAN JUAN NEW MEXICO Operator: AMOCO PRODUCTION COMPANY API: 3004525444 Oper. Center: San Juan Kelly Bushing: 13 Braden. Elev.: 5850 Spud: 12/12/83	
Elevations	
KB: 5863.0 ft CF: 5850.0 ft TH: Grd: 5850.0 ft	
Hole Size	
Bit Size: 12.250 in Bit Out: 332.0 ftKB Bit Size: 8.750 in Bit Out: 7030.0 ftKB	
Formations/Horizons	
1010.0-OA 1092.0-KL 2100.0-FL 2398.0-PC 4020.0-MESAVERDE 6798.0-DAKOTA	
Perforations	
6800.0-6806.0 Shots: 1.0 /ft Date: 1/12/84 6810.0-6820.0 Shots: 1.0 /ft Date: 1/12/84 6888.0-6905.0 Shots: 1.0 /ft Date: 1/12/84 6908.0-6911.0 Shots: 1.0 /ft Date: 1/12/84 4685.0-4701.0 Shots: 2.0 /ft Date: 1/12/84 4716.0-4739.0 Shots: 2.0 /ft Date: 1/12/84 4745.0-4748.0 Shots: 2.0 /ft Date: 1/12/84 4766.0-4770.0 Shots: 2.0 /ft Date: 1/12/84 4786.0-4790.0 Shots: 2.0 /ft Date: 1/12/84 4794.0-4797.0 Shots: 2.0 /ft Date: 1/12/84 4806.0-4816.0 Shots: 2.0 /ft Date: 1/12/84	
Stimulations & Treatments	
Fracturing: 1/8/84 6800.0-6911.0 Fracturing: 1/13/84 4685.0-4816.0	
Casing Cement	
Surface Casing 0.0-332.0 Amount: 225 Production Casing 1 350.0-7030.0 Amount: 907	
General Notes	
6/13/95 TD: 7030' PBTD: 6956' TOC prod csg (3rd stage 1324'-surf) is 350' by temp survey. Sqz'd DV tool @ 5224' w/75sx, sqz'd 4570-75' w/300sx / 1120' FSL; 950' FEL	
Casing String(s) & Equipment	
Production Casing 1 Stage Tool 5224.0-5227.0 Run: 12/24/83 OD: 7.000 ID: Wt: 23.00 Grd: (n/a) Thrd: LT&C Jnts: 1 Production Casing 1 13.0-7030.0 Run: 12/24/83 OD: 7.000 ID: 6.366 Wt: 23.00 Grd: (n/a) Thrd: LT&C Jnts: 157 Production Casing 1 Stage Tool 1324.0-1327.0 Run: 12/24/83 OD: 7.000 ID: Wt: 23.00 Grd: Thrd: LT&C Jnts: 1 Production Casing 1	

13.0-7030.0 Run:12/24/83
OD:7.000 ID:6.366 Wt:23.00
Grd: Thrd:LT&C Jnts:0

Surface Casing

Surface Casing

13.0-319.0 Run:12/13/83
OD:9.625 ID:8.921 Wt:36.00
Grd:K-55 Thrd:ST&C Jnts:7

Tubing String(s) & Equipment**String 1**

TBG: 2.375 4.7# J-55 EUE T&C
13.0-4712.0 Run:1/14/84
OD:2.375 ID:1.995 Wt:
Grd: Thrd: Jnts:158

String 2

Packer, Perm: 2.875 x 7
4867.0-4870.0 Run:1/14/84
OD:2.875 ID:7.000 Wt:
Grd: Thrd: Jnts:1
TBG: 2.375 4.7# J-55 EUE T&C
13.0-6815.0 Run:1/14/84
OD:2.375 ID:1.995 Wt:
Grd: Thrd: Jnts:210

Rod String(s) & Equipment**String 1****String 2****Other Equipment & Junk in Hole****String 1****String 2****Plugback**

Plugback

6956.0-7030.0 Run:1/5/84
OD:6.366 ID: Wt:
Grd: Thrd: Jnts:0

Packer



BRADENHEAD TEST REPORT

Date of Test: 07-17-95

OPERATOR: Amoco Production Company

Well Name and Number: BLANCO COM 1-1A

Formation (s): DK,MV

Unit: P Section: 2 Township: 30 Range: 11

Amoco Run Number: 83 Meter Number (s): 95322, 94979

NMOCD Test Area: A

INITIAL PRESSURE (psi)

Well Status (circle one): Shut-in Flowing

No. of Casing Strings (circle one) Two (Production and Surface) Three (Intermediate, Production and Surface)

Pressure: Tubing 265 psi Intermediate N/A psi Casing 269 psi Bradenhead 15 psi

INSTRUCTIONS FOR TESTING WELLS WITH TWO (2) CASING STRINGS:

- A. Open bradenhead to atmosphere.
- B. Record casing pressure every 5 minutes.
- C. Note characteristics of bradenhead flow.
- D. Describe any water flow.

INSTRUCTIONS FOR TESTING WELLS WITH THREE (3) CASING STRINGS:

- A. Open bradenhead to atmosphere.
- B. Record casing pressure every 5 minutes.
- C. Note characteristics of bradenhead flow.
- D. Describe any water flow from the intermediate. Shut in intermediate valve.
- E. Open bradenhead to the atmosphere.
- F. Record casing and intermediate pressures every 5 minutes.
- G. Note characteristics of bradenhead flow.
- H. Describe any water flow from the bradenhead.

PRESSURE (psi)

Time	Bradenhead	Casing	Intermediate	Casing
5 minutes	<u>3</u>	<u>269</u>	<u>N/A</u>	
10 minutes	<u>3</u>	<u>269</u>		
15 minutes	<u>2</u>	<u>270</u>		
20 minutes	<u>3</u>	<u>269</u>		
25 minutes	<u>2</u>	<u>269</u>		
30 minutes	<u>2</u>	<u>270</u>		

FLOW CHARACTERISTICS

	Bradenhead	Intermediate
Steady Flow		
Surges		
Down to Nothing		
No Flow		
Gas		
Water	<u>✓</u>	
Gas and Water		

DESCRIBE ANY WATER FLOW

	Bradenhead	Intermediate
Clear	<u>✓</u>	
Fresh		
Salty		
Sulfur		
Black		
Muddy		

REMARKS: Braden Head KEPT FLOWING Water AT SLOW RATE.