Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM
95 MAY 11 PM 2:39
070 FARMINGTON, NM

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.
NM-012202

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
Bolack B 8E

2. Name of Operator
Amoco Production Company

Attention:
Patty Haefele

9. API Well No.
3004525996

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201

(303) 830-4988

10. Field and Pool, or Exploratory Area
Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1000' FNL 1450' FEL Sec. 33 T 28N R 8W Unit B

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	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Bradenhead Repair	☐ 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 intends to do a bradenhead repair per the attached procedure.

Please call Mark Rothenberg (303) 830-5612 with any technical questions and Patty Haefele (303) 830-4988 for any other questions.

RECEIVED
MAY 18 1995
OIL CON. DIV.
DIST. 3

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

Signed Patty Haefele Title Staff Assistant Date 05-10-1995

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____ Date MAY 15 1995

Conditions of approval, if any:

DISTRICT MANAGER

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.

* See Instruction on Reverse Side

NMOCD

SJOET Well Work Procedure

Wellname: Bolack B 8 E
Version: #1
Date: May 1, 1995
Budget: DRA
Workover Type: Bradenhead repair

Objectives:
Recently failed a bradenhead test (flowed water).
1. CBL will be run to locate TOC.
2. Bradenhead and any casing leaks will be repaired.
3. Tubing will be lowered to 6624' and well returned to production.

Pertinent Information:

Location:	1000' FNL, 1450' FEL, B33-28N-8W	Horizon:	DK
County:	San Juan	API #:	30-045-25996
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # NM-12202	Phone:	W--(303)830-5612
Well Flac:			H--(303)696-7309

Economic Information:

APC WI:	100%	DK Prod. Before Repair:	82 MCFD
Estimated Cost:	$42,500	DK Anticipated Prod.:	82 MCFD
Payout:	42 months		
Max Cost -12 Mo. P.O.	$20,306		
PV15:	$M		
Max Cost PV15:	$M		

Note:** ***Economics run based upon 82 MCFD production vs 0 MCFD.
Note:** ***Because this is a BH repair and payout will occur within life of well, work will be performed.

Formation Tops: (Estimated formation tops)

Nacimento:		Menefee:	3870
Ojo Alamo:	1200	Point Lookout:	4366
Kirtland Shale:	1308	Mancos Shale:	4700
Fruitland:	1928	Gallup:	5538
Pictured Cliffs:	2090	Greenhorn:	
Lewis Shale:	2240	Graneros:	6293
Chacra:	2680	Dakota:	6396
Cliffhouse:	3786	Morrison:	

Bradenhead Test Information:
Test Date: 1/24/95 **Tubing:** 445psi **Casing:** 420psi **BH:** 27psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments: Bled off press. in 7 min - <u>flowed water</u> for remaining 30 min. test. Built back up to 20psi in 10 min.

Suggested Procedures:

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.

4. MIRUSU. Check and record tubing, casing and bradenhead pressures.

5. Blow well down, kill well if necessary with 2% KCL.

6. Nipple down well head, nipple up and pressure test BOP's.

7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.

8. Trip in the hole with bit and scraper for the intermediate casing and trip in to the top of the liner. Trip out of the hole with bit and scraper. Trip in hole with second bit and scraper and run from the top of the liner to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.

9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR, spot sand on RBP and pressure test csg to 1000 psi. If no leak is found, trip out of hole with PKR and skip to step 11.

10. Trip out of hole isolating leak in liner, if any. If a liner leak is found, establish injection rate and check for circulation around liner top. Also, determine if there is a leak above the top of the liner. Trip out of hole with PKR.

11. Run CBL from 1500' to surface under 1000 psi and fax results to Denver attn: Mark Rothenberg (303-830-9262).

12. If there are no casing leaks, skip to step 14.

13. If there is a leak in the liner and a leak above the top of the liner, trip in hole with a RBP that fits the liner and a PKR that fits the intermediate casing. Set RBP 30-60' below the top of the liner. Release PKR and trip out of hole isolating leak in the intermediate casing.

14. Based on the location of the leak, if any, and the results of the CBL, perforate casing if necessary with 4 JSPF and circulate dye if possible to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.

15. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.

16. Trip out of hole. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.

17. If cement is not circulated to the surface, it may be necessary to run another CBL (and/or temperature survey 8-10 hours after cementing) and repeat steps 14 thru 16.

18. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.

19. If there is a leak in the liner top, trip in hole with a PKR. If there is no leak in the liner top, skip to step 22.

20. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to squeeze liner top. Attempt to obtain a squeeze pressure and WOC.

21. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leak if liner top fails pressure test.

22. If there is a second RBP in the liner, trip in the hole with a retrieving head, circulate sand off of the RBP and trip out of hole with the plug.

23. If there is a leak in the liner or squeeze work is required based on the CBL, perforate casing, if necessary with 4 JSPF. Trip in hole with a cement retainer and set above the leak or perforations.

24. Mix and pump sufficient cement (class B or equivalent with two hour setting time) and attempt to obtain a squeeze pressure and WOC.

25. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.

26. Trip in the hole with retrieving head for RBP set in the liner, circulate sand off of RBP with 2% KCL and trip out of hole with plug.

27. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.

28. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), adding joints to land tubing at 6624'. Nipple down BOP's, nipple up well head.

29. Swab well in and put well on production.

30. Rig down move off service unit.

If problems are encountered, please contact:

MARK ROTHENBERG
(W) (303) 830-5708
(H) (303) 343-3973

Amoco Production Company

ENGINEERING CHART

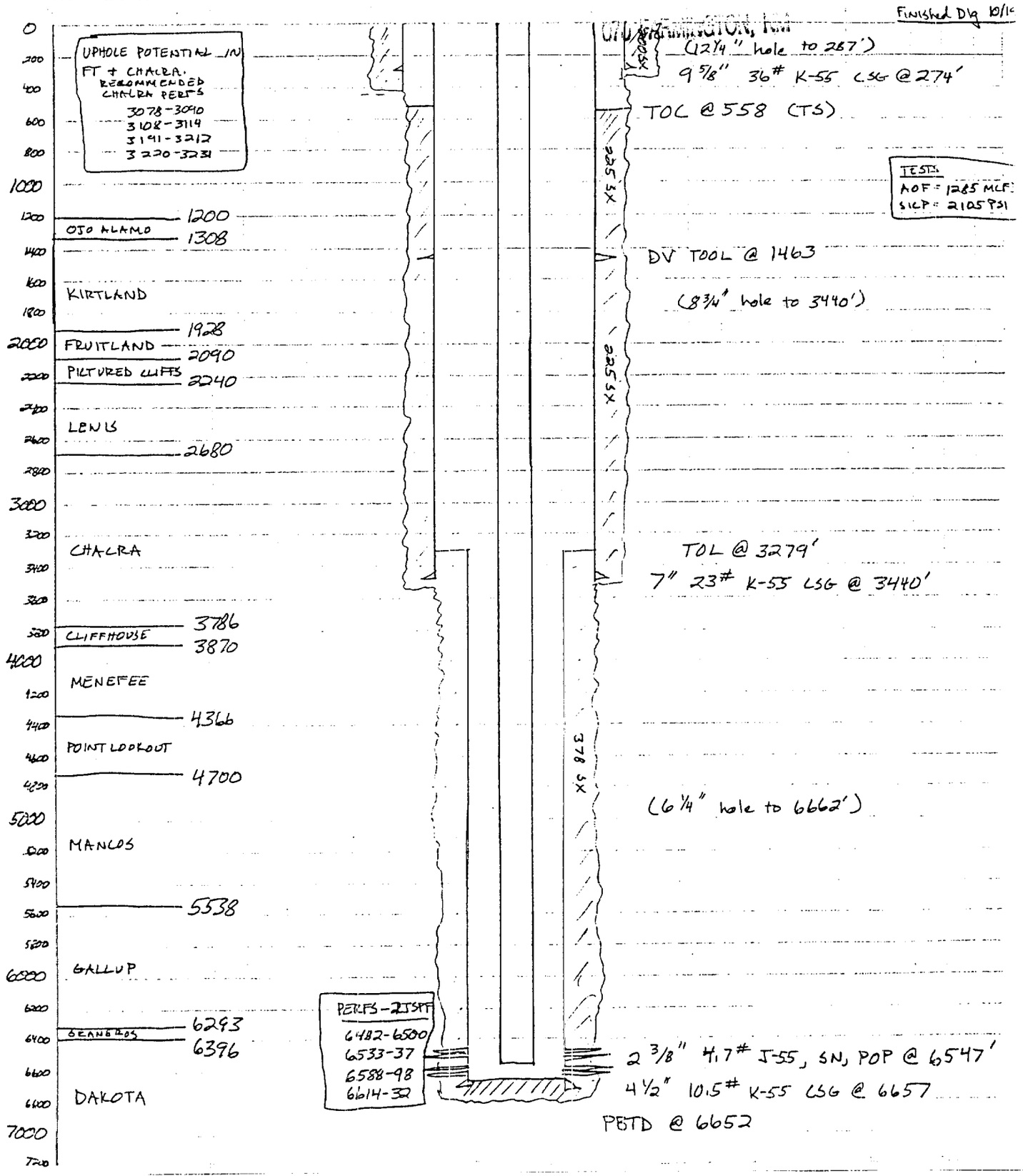
Sheet No ____ Of ____
File ____
Appn ____
Date 5/1/95
By MDR

RECEIVED
BLM
95 MAY 11 PM 2:39
070 FARMINGTON, NM

SUBJECT Bolack B 8 E Federal Lease # NM-12202

B33-28N-8W 1000 FNL 1450 FEL API # 30045253[illegible]

Finished Dlg 10/16



STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

RECEIVED
BLM
95 MAY 11 PM 2:39
070 FARMINGTON, NM

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 01/24/95 Operator Amoco Production Company

Lease Name Bolack B Well No. 8E Location: Unit ___ Section 33 Township 28 N Range 08 W

Pressure (Shut-in or Flowing) Tubing 445 Intermediate N/A Casing 515 Bradenhead 34

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES: INTERMEDIATE	CASING
5 min.	N/A	515
10 min.	N/A	515
min.	N/A	515
20 min.	N/A	515
25 min.	N/A	515
30 min.	N/A	515

	BRADENHEAD FLOWED	INTERMEDIATE FLOWED
Steady Flow	X (Gas And Then Water)	
Surges		
Down to Nothing		
Nothing		
Gas		
Gas & Water	X (Gas And Then Water)	
Water		

If Bradenhead flowed water, check description below:

CLEAR X FRESH ___ SALTY ___ SULFUR ___ BLACK ___

REMARKS: Shut 2" ball valve on bradenhead and replaced 1" ball valve. Opened both valves and took pressure reading of bradenhead. It took one minute to bleed off bradenhead pressure thro 1/2" needle valve. The bradenhead started flowing water after seven minutes into the test. Wa flowed for the remaining time of the thirty minute test. Initial bradenhead pressure was rec @15# immediately. The pressure increased to 20# after five minutes, and remained at 20# aft an additional five minutes.
~~Replaced the 1" ball valve with an Amoco CP valve.~~

By Joe Schrock/Keith McGill Witness ___

1-19-95 1-24-95

San Juan Form 316 25

Engr: zalc14

BOLACK B 8E

Operator– AMOCO PRODUCTION CO

300452599600DK B332808–008EDK

APC_WI – 1.0000000