

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  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator Attention:  
Amoco Production Company Dallas Kalahar

3. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-5129

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990FSL 1750FEL Sec. 18 T 31N R 11W

5. Lease Designation and Serial No.

SF-078095

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Case B #4

9. API Well No.

3004510685

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

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

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other workover & bradenhead rpr  
☐ 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.)\*

Please see attached.

RECEIVED  
OCT 07 1994  
OIL CON. DIV.  
DIST. 3

94 OCT -3 PM 1:24  
OFO FARMINGTON, NM

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

Signed

*Dallas Kalahar*

Title

Staff Business Analyst

Date

09-30-1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

OCT 05 1994

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.

FARMINGTON DISTRICT OFFICE

\* See Instructions on Reverse Side

NMCOO



CASE B # 4 - WORKOVER AND BRADENHEAD

MIRUSU 7-14-94. ALERT BLM. KILL WELL W/ 20BBL WATER/CLAY-FIX. SETTING PACKER, RUN MODEL 3 BP SET @ 50'. ND BOP AND HEAD, NU NEW HEAD. PACKER STARTED TO LEAK AND HAD GAS ON BRADENHEAD. RELAESE BP AND GAS BLEED OFF.I, 250# LO W/ RIG PUMP. PU DP X TIH TO SHOE @ 4800'. CIRCULATING @ SHOE W/ 2250 CFM AIR/MIST. TIH, TAG @ 4830'. CLEAN OUT 4830' TO TD @ 5080' W/ 2250 CFM AIR & PUMP 15BPH WTR/SOAP MIST. DRL 50' RATHOLE. CIRCULATE CLEAN. TOH TO SHOE, FLOW THRU BLOOIES. TIH, CIR BOTTOMS UP. PREP TO STRAP OUT, RUN CALIPER LOG W/ HLS, RUN 4.5" LINER W/ BAKER.RUN CALIPER LOG W/ HOWCO 5927'-4800'. TIH W/ 4.5" 11.6# K-55 LINER, SET @ 5123', LANDING COLLAR AT 5077', TOP OF LINER @ 4611.80'. CEMENTING-PUMP 20 BBL CHEM WASH AND 5 BW SPACER, PUMP 31.2 BBL CMT 50/50 POZ, 2% GEL. DISPLACE W/ 41.3 BBLS WTR, BUMP PLUG TO 400# AND FLOAT HELD. STING OUT AND REVERSE OUT 15 BBL CMT. GOOD RETURNS. TIH W/ BIT TAG CMT @ 5054'. DRL CMT TO 5074, CIR CLEAN W/ CLAYFIX WATER. LD 2.375 TBG. RDMOSU 7-17-94

OTHER OPNS 7-21-94. ND WELLHEAD-RIG UP PUMP TRK. PUMPED ON BRADEN HEAD @ 40 PSI, PMP 3 BBLS. CUT OFF CSG AND WELD ON NEW STUB - NU WELL HEAD @ FRAC VALVE . PRESS TST FRAC VALVE AND CSG TO 3500# HELD OK. RIG UPN WIRLINE EQUIP AND RUN CBL CCL GR FROM 5043 - SURF. EST CMT TOP ON 7" @ 2830'. RAN UNDER NO PRESS .

RIH W/ 3 1/8 GUNS AND PERF POINT LOOKOUT W/ 2 JASPF 120DEG PHASED 13 GRM CHARGE FROM 5052-55, 5047-49,5025-39,5000-11,4990-97,4966-85,4945-47,4938-41,4913-21,4822-26,4818-20,4805-07, FLUID LEVER SURF.

RIG UP FRAC EQUIP. FRAC POINT LOOKOUT INTERVAL FROM 4807-5052 W/ QUALITY FOAM AND 196400 LBS OF 16/30 BRADY SAND - STAGED SAND FROM 2 PPG TO 6 PPG - PUMPED 21363 GAS FOAM PAD @ 60 BPM @ 1680 MAX PSI - AVG PRESS ON JOB 1600 PSI. FLUSHED W/ 9542 GAL FOAM. ISIP=1720 ,5 MIN.=1295,10 MIN.=1203,15 MIN =1102 PSI. TOTAL FLUID PUMPED 27529 GAL./650 BBLS. TOTAL N2 PUMPED= 1,074,485 SCF. AVG RATE ON N2=29,700SCFM. RIG DOWN FRAC EQUIP.

FLOW BACK POINT LOOKOUT FRAC. SICP=650 PSI. OPENED WELL ON 1/4 CHOKE FOR 8 HRS FCP=620. OPEN WELL UP ON 1/2 CHOKE FCP DROPPED TO 250 PSE. RECOVERED 60 BBLS IN 24 HRS. CONT TO FLOW WELL ON 1/2 CHOKE - NO SAND. CONTINUE TO FLOW WELL ON 1/2 CHOKE FOR 24 HRS FCP=110 PSI. RECOVERED TOTAL 570 BBLS. WATER. MAKING GAS - NO SAND.

RIG UP WIRLINE EQUIP - RIH W/ GJ & JB TO 4800'. RIH SET FIBER GLASS BRIDGE PLUG @ 4750'. FILLED CSG W/ 181 BBLS - PRESS TST TO 1500 PSI. RIH W/ 4 " HCG AND PERF CLIFFHOUSE W/ 2 JSPF 120 DEG PHASED ADN 23 GRAM FROM 4537-47, 4522-30, 4487-18, 4452-74, 4440-47, 4433-36, 4410-29, 4389-4400, 4367,76, 4327-43, 4316-20, 4274-88, 4266-68. FLUID LEVER=300'. RIG DOWN WLE.

RIG UP FRAC EQUIP. PRESS TEST LINES . FRAC CLIFFHOUSE INTERVAL 4266-4547' W/ 70 QUALITY FOAM W/ 16/30 BRADY SAND. PUMPED 35000 GAL PAD. STAGED SAND FROM 1 PPG TO 5 PPG W/ TOTAL OF 290900 LBS OF SAND PUMPED W/ FOAM DISPLACEMENT. TOTAL N2 USED 2,344,066 SCF - MAX PRESS FROM BREAK BACK 2730 PSI . AVG PRESS =2035PSI. AVG BH FOAM RATE=50 BPM. TOTLA FLUID PUMPED 47597 GAL/ 1133 BBLS.

FLOW BACK CLIFFHOUSE FRAC. SICP=1500PSI. OPENED WELL UP ON 1/4 CHOKE. FLOWING TO PIT FOR 8 HRS - OPEN WELL UP ON 1/2 CHOKE. WELL STARTED MAKING SAND .

PUT WELL BACK ON 1/4 CHOKE. CONTINUE TO FLOW FOR 24 HRS. FCP 200 PSI. RECOVERED TOTAL 1280 BBLS. SHUT WELL IN FOR NEXT 15 DAYS.

RIG UP WIRELINE EQUIP - RIH AND SET RBP @ 4190'. BLEED OFF CSG PRS AND FILLED CSG W/ 170 BBLS - PRESS RBP TO 1500 PSI=HELD OK. RIH W/ 4 HCG AND PERF CSG W/ 2 JSPF 120 DEG PHASED - PUMPED INTO PERFS W/ 5 BBLS @ 4 BPM. RIG DOWN WLE.

MIRUSU- ND FRAC VALVE / HEAD. INSTALL NEW WELL HEAD. UNABLE TO GET PRESS TST ON SEALS. REMOVE WELL HEAD -REWELD NEW CSG STUB & PRESS TEST SEAL TO 1700 PSI NU BOP TIH W. PKR & SET @ 1610 - PRESS TST OT 750 PSI. UNABLE TO CIRC BRADENHEAD. RU CMT EQUIP - PUMPED 150 SXS HALLIB LIGHT W/ 2% CACL AND TAILED IN 50 SXS CLASS B CMT W/ .3% HALAD 344 - NO CIRC. OVER DISPLACED W/ 12 BBLS. TRIED TO CIRC THRU PERFS @ 1910 PUMPED 65 BBLS 80 PSI @ 2BPM - NO CIRC TO SURF. RU CMT EQUIP AND PUMPED 50 SXS CLASS B AND 50 SXS NEAT CMT - DISPLACED SQUEEZE TO 800 PSI. RELEASED PKR & SET @ 1610 AND TOH. RU WLE - RIH AND RAN CBL FROM 1850 TO SURF. NO NEW CMT TOP - RIH & PERF CSG @ 1655' W/ 4" HCG W/ 2 JSPF. RIH W/ PKR & SET @ 1700' AND PRESS TEST SQUEEZE TO 800 PSI PULLED UP SET PKR @ 1322' PUMPED INTO PERFS WITH 8 BBLS.

RIG UP HES CMT EQUIP. PERFORATION @ 1650, PKR SET @ 1322' ESTABLISH FEEDRATE DOWN TBG 2.2 BPM PUMP TOTAL 82 BBLS. NO RETURNS UP BRHEAD. PMP 20 BBLS DWN BRHEAD 2.2 BPM 350 PSI. ATTEMPT TO BREAK CIRC - NO GO-. PUMP 1170 SXS HALL LITE TAIL W/ 50 SXS CLASS B. SQUEEZE PERF @ 2 BPM @ 800 PSI. SHUT IN W/ 500 PSI. NO RETURNS.

TIH W/ BIT TAG CMT @ 1540. RIG UP SWIVEL DRILL CMT FROM 1540 TO 1680. TAG SECOND PLUG @ 1730. DRILL OUT TO 1790', CONTINUE IN HOLE &. TAG @ 2010'. PRES TST TO 500 PSI - HELD OK.. TOH. RUN CBL-VDL-GR-CCL LOG. LOG FROM 2700 TO 600. EXCELLENT BOND FROM 2030 TO 2700, 1860 TO 1930 W/ STRINGERS ABOVE. APPEARS OJO ALOMO COVERED. RIG DOWN WIRELINE. TIH RET HEAD AND LATCH ON PLUG @ 4190. TOH & LAY DOWN PLUG.

ESTABLISH CIRC USING AIR & MIST. CLN OUT FROM 4390 TO 4714.. RIG UP & DRILL OUT PLASTIC BRIDGE PLUG. CLN OUT TO 5075 BY TBG TALLY. CIRC CLN. TOH REMOVE BIT. TIH W/ TBG AND LAND @ 4975. START FLOW TST.

BLW DWN WELL. TIH & TAG FILL 5036'. CLN OUT TO 5076'. RELAND TBG @ 4535. BEGIN FLW WELL. TIH CLEAN OUT 7' SAND TO PBTD. BEGIN FLW WELL. TIH CLN OUT 3' SAND USING AIR & FOAM. LAND TBG 5056. NDBOP. RU TO RUN PUMP & RODS. RDMOSU 9-1-94