

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

Amoco Production Company

Attention:

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)

800'FSL

1090FWL

Sec. 27 T 32N R 11W UNIT M

5. Lease Designation and Serial No.

SF-080424

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Van Hook LS #1

9. API Well No.

3004511212

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 Workover & sidetrack

- ☐ 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 for procedures.

If there are any questions, please contact Dallas Kalahar at (303) 830-5129.

RECEIVED
JUL 0 8 1994
OIL CON. DIV.
DIST. 3

070 FARMINGTON, NM
JUN 20 11:01

BHL 1226 'FSL x 2365' FWL - Per Dallas Kalahar 6/20/94

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

Signed

Dallas Kalahar / SP

Title

Staff Business Analyst

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

JUN 29 1994

Date

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 Instructions on Reverse Side

NRMOOD

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning

the use of this form and the number of copies to be submitted particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones,

or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

MIRUSU 1/15/94. BLED OFF PRESS PMP 10 BBLS DN TBG - ND WELL HEAD NU BOP. BLED OFF PRESS PMP 15 BBLS DWN TBG. BLED OFF PRESS PMP 15 BBLS DWN TBG. TOH W/ 2-3/8 TBG, PULLING TIGHT (45K) FIRST 10 STANDS. TOH W/65 JTS FOUND HOLE BELOW COLLAR 1980'. TOH W/170 JTS W/ORANGE PEAL ON BOTTOM. RIGGED UP TO RUN BHA. TIH W/5-7/8 BIT, BIT SUB W/BAKER STRING FLOAT & FIRE FLOAT TWO 4-5/8 DC SUB W/FIRE STOP & PLACE, ONE 4-5/8 DC, JARS & THREE 4-5/8 DC, CROSSOVER FROM 3-1/2 TO 2-7/8 AMER. O.H., TIH W/65 JTS OF 2-7/8 DP TO 2200'. BHA STRING WT=7000 LBS.

BLED OFF CSG PRESS PICKED UP 70 JTS 2-7/8 DP & TIH FROM 2200' TO 4296', HOOKED UP LINES TO TANK, PICK UP POWER SWIVEL, HOOKED UP AIR LINES & BROKE CIRC W/1500 CFM @300 PSI W/FOAM, BROKE CIRC IN 20 MIN., PMPED 45 BBLS & REC 20 FFL WASHED & REAMED FROM 4290' - 4451', NO TIGHT SPOTS STRING WT 48K & 2K PICKUP, CIRC HOLE CLEAN, TOH W/5 STDS.

TIH FROM 4140' TO 4451', HOLE CLEAN, RIG UP & PICK UP PS, BREAK CIRC W/1500 CFM W/AIR & FOAM @ 340 PSI, REAMED FROM 4451' TO 4945', TIGHT SPOTS 4524'-4544', 4610'-4620', 4800'-4830', CIRC HOLE CLEAN & LAID DN PS, TOH W/11.5 STDS, ONLY TIGHT SPOT WAS @ 4854'-4856', 5K OVER, PMPED 60 BBLS REC 80 BBLS, STR WT. 60 W/PICK UP 62K. TIH FROM 4232'-4945' NO TIGHT SPOTS, PU PS & BROKE CIRC W/AIR & FOAM W/1500 CFM @ 400 PSI, REAMED FROM 4945'-5255' CIRC HOLE CLEAN, LAID DN PS & TOH W/16.5 STDS, TIGHT SPOTS @5200'-5180', 4900'-4870', 4854'-4834', 3K OVER 4395'-4385', PMPED 51 BBLS REC 35 BBLS.

TIH FROM 4232' & TAGGED FILL @ 5235', TOH TO 4263' & PMPED 45 BBLS 8.8 MUD, TOH TO DC & PMPED 15 BBLS MUD, TOH W/DC & BHA, RIGGED UP WLE & RAN DIPOLE SONIC FROM 5236' TO 4319' ROH, RIH & RAN 4 ARM CALOPER TOOL FROM 5236' TO 4319', ROH & RD WLE, TOTAL MUD PMPED 79 BBLS. TIH W/5-7/8 BIT & BHA & 2-7/8 DP TO 4232', BROKE CIRC W/1500 CMT & FOAM, NO FLUID REC, TIH TO 4763', RU PS & UNLOADED HOLE, CONT TO TIH & TAGGED FILL @ 5193', CLEANED OUT TO 5255', CIRC HOLE CLEAN, PMPED 30 BBLS & REC 109 BBLS, TOH TO 4300', RACKED BACK PS & TOH W/DP & LAID DN BHA.

TIH W/7" RBP & PKR, TIH W/136 JTS 2-7/8 DPTO 4237' & TRIED TO SET RBP, PMP 15 BBLS WTR, PULLED 6 STDS TO 3767', PMP 20 BBLS WTR, RBP & PKR WOULD NOT SET, LOST RBP, TIH TO 3847' & LATCHED RBP, PMP 20 BBLS, LOST RBP & PKR IN HOLE, RU WLE & RIH W/7" GR & JB & TAGGED UP @ 2111' ROH, PICKED UP 5-7/8 OVER SHOT W/3-7/8 GRAPPLE, PMP 20 BBLS, TIH & TAGGED FISH 2604, TOH W/RBP & PKR, RU WLE & RIH & SET RBP @ 4158' ROH. LOADED HOLE W/165 BBLS BLED OFF TRAPPED GAS & PRESS TEST RBP SET @ 4158' TO 500 PSI, BLED OFF IN 3 MIN, NO WTR FLOW, IN 6 HRS SIBHP BUILT UP TO 30 PSI, RIGGED UP WLE & RIH W/DUMP BAILER & DUMPED 1.5 SXS ON RBP @ 4158' ROH, RIH W/CBL CCL GR PRESS UP ON CSG TO 500 PSI & LOGGED FROM 4153' TO 1000', ROH & TIH W/42 STDS TO 2604' CIRC HOLE GETTING BACK SOAP & FOAM, TIH TO 4092'.

DISPLACED HOLE W/240 BBL CLEANED OUT SOAP, RU WLE RIH & RUN CBL CCL GR FROM 4152' TO SURF. RIH & PERF SQUEEZE HOLES @ 2850' 2 JSPF .5 HOLE, RD WLE, TIH W/PKR & SET @ 2548', EST INJ RATE DN TBG @ 2BPM @ 500 PSI FOR 10 BBLS, PRESS TST PKR TO 500 PSI FOR 15 MIN, HELD OK. RU CMT EQUIP & PRESS TEST LINES & PKR TO 500 PSI, EST INJ RATE INTO PERFS 2850 @ 2 BPM @ 500 PSI & 1 BPM @ 400 PSI FOR 10 BBLS, MIXED & PMPED 300 SXS (65 BBLS) CLASS B CMT W/.3% HALAD 344 & .5% CALSEAL @ 15.6 PPG & DISPLACE @ 1 BPM PMP 13 BBLS FOR 2 BBLS PMPED @ 1/4 BPM SQUEEZED TO 700 PSI, PMPED 60 BBLS BEHIND PIPE, RELEASED PKR & TOH TO 2518' & PRESS UP TO 500 PSI, HELD OK, EST CMT TOP @ 2717' IN CSG.

THAWED OUT CAG VALVES & BOP, PRESS UP ON TBG TO 500 PSI, HELD OK, RELEASED PKR @ 2815' & TOH, TIH W/6-1/4 BIT & SCRAPER, TIH & TAGGED CMT @ 2678', RU PS & BROKE CIRC & DRILLED CMT FROM 2678' TO 2761', CIRC HOLE CLEAN, TOH 6 STDS. TIH FROM 2387' TO 2761' & CONT TO DRILL OUT CMT TO 2869', CIRC HOLE CLEAN @ 3040', PRESS TEST TO 500 PSI, HELD OK, TOH W/BIT & SCRAPER, RU WLE, RAN CBL FROM 3240' TO SURF, RIH & PERF @ 2010' W/ 2 JSPF .5 HOLE, TIH W/PKR W/27 .5 STDS TO 1717'.

ROLLED MUD TANK W/RIG PMP, FILLED CSG & PRESS TEST CSG & PKR TO 500 PSI, HELD OK, EST CIRC INTO PERF @ 2010' @ 1 PBM @ 1200 PSI, EST CIRC W/BRADENHEAD CIRC HOLE & RUN DYE TEST, CIRC DYE TO SURF IN 91 BBLS, CONT TO CIRC HOLE W/9.8 MUD & CONDITION HOLE FOR 2 HRS, RU CMT EQUIP, MIX & PMP @ 2BPM, 135 SXS HALLIB LIGHT W/2% CACL, 150 SXS CLASS B CMT W/.3% HALAD 344 & 2% SUPER CBL & 5% CALSEAL, TAILED IN W/100 SXS CLASS B W/.3% HALAD 344 & 5% CALSEAL &

DISPLACED W/16 BBLS FINAL SHUT IN PRESS = 650 PSI, TOTAL CMT PMP 103 BBLS LEFT 4 BBL IN CSG, GOT CMT WATER BACK TO SURF. (NOTE: ORIGINAL CMT TOP = 3210', PC/FRUITLAND SQUEEZE TOP = 2430')

RU WLE RIN & RAN TEMP SURVEY FROM 1000', EST CMT TOP @ 200', RD WLE & PRESS TEST SQUEEZE TO 500 PSI, HELD OK, RELEASED PKR @ 1717' & TOH, TIH W/6-1/4 BIT & SCRAPER, TAG CMT @ 1933', PU PS & DRILL CMT TO 2051', CIRC HOLE CLEAN @ 2154', PRESS TEST TO 500 PSI FOR 15 MIN, LAID DN 7 JTS DP TIH TO FILL @ 4089' & CIRC TO 4158' WLM OR 4150' TBG MEAS, CIRC HOLE CLEAN, TOH LAYING DN DP TO 100'. FINISH LAYING DN 35 JFT DP, CHANGE OUT HANDLING TOOLS, RAMS & BOPS, TIH W/RET HEAD & 2-3/8 TBG TO 4144', CLEANED RIG PIT CIRC HOLE & SAND OFF RBP W/140 BBLS CLEAN WTR, DROPPED STD VALVE & PRESS TEST TBG TO 1000 PSI, HELD OK, FISHED STD VALVE W/SAND LINE, RIG UP TO SWAB & REC 50 BBLS.

RIGGED DN SERVICE UNIT, WELL SHUT IN, 2/9/94.

RU SLICK LINE EQUIP & RIH W/PLUG FOR F NIP & SET @ 4870' WLM, BLED OFF TBG PRESS. RIH W/GYRO-MULTI SHOT & MAKING STOPS EVERY 100' TO 4870'. ROH W/GYRO TOOL. RIH & PULLED PLUG OUT OF F NIPPLE. RD SLICK LINE EQUIP, LEFT WELL ON LINE. BLED OFF PRESS, PMP 10 BBLS DWN TBG. ND WELLHEAD NUBOP. TOH W/159 JTS TBG. PMP 50 BBLS WATER, TIH W/CMT RET & SET @ 4280' & SET RET.

STUNG OUT OF RET @ 4283' & CIRC HOLE W/169 BBLS. STUNG INTO CMT RET & PRESS TEST TO 500 PSI, EST INJ RATE DWN TBG W/46 BBLS @ 4 BPM @ 500 PSI. RU CMT EQUIP, MIX & PMP 100 SXS OF 50/50 POZ W/2% GEL FOLLOWED W/200 SXS OF CLASS B CMT W/1% CFR - 3 & 1% CACL WT = 17.5 PPG. DISPLACED W/10 BBLS & DROPPED RATE TO 1/4 BPM W/12 1/2 BBLS DISPLACE STARTED GETTING PRESS UP TO 500 PSI & SHUT DWN W/15 BBLS DISPLACED. PRESS DROPPED TO 300 PSI, WAITED 5 MIN & PRESS UP TO 400 PSI. PRESS DROPPED TO 350 IN 5 MIN. STUNG OUT OF RET & DUMPED 1 BBL CMT ON RET. TOH LAYING DWN TBG. NDBOP NUWH. RDMOSU 3/16/94.

VAN HOOK LS #1 WILL BE SIDE TRACKED IN FUTURE, REFER TO DIVISION ORDER NO. R-10066 WHICH WAS ENTERED ON FEBRUARY 23, 1994.

VHOOK1.DOC

VAN HOOK LS #1
(SIDE TRACK PROCEDURE)

MIRUSU ON 4/18/94. PRESSURE TESTED CASING @ 500 PSI FOR 15 MIN, CASING & ALL BLW OUT CONTROL EQUIPMENT TESTED GOOD. NIPPLE UP GRANT ROTATING HEAD & BLOOIE LINES. PICK UP DRILL COLLARS & DRILL PIPE, TIH TO THE TOP OF CEMENT, TAGGED CEMENT @ 4278' RKB. BEGIN DRILLING OUT CEMENT RETAINER ON MIST.

DRILL OUT CEMENT RETAINER & CEMENT FROM 4267' TO 4363'. TOH TO PICK UP DIRECTIONAL DRILLING TOOLS. TIH. CIRCULATE, ORIENT & TEST DIRECTIONAL DRILLING TOOLS. DRILLING: 4363', 4379'. ROTATING TO PROVIDE DISTANCE FROM CASING SHOE FOR NON-MAGNETIC INTERFERENCE. DRILLED FROM 4379' TO 4396'. DRILLING, ROTATING & SLIDING TO EXIT OLD WELLBORE, 4396' TO 4497'. DRILLING, 4497' TO 4513'. DRILLING FROM 4513' TO 4855. DRILLED TO KICK OFF POINT. TIH TO START THE BUILD SECTION OF THE WELL @ 4855.

DRILLING FROM 4855' TO 5119'.

DRILLING, (SLIDING) FROM 5119' TO 5339'.

DRILLING FROM 5339' TO 5518'.

DRILLING FROM 5518' TO 5839'.

TOH. PICK UP & MAKE UP RETRIVEABLE BRIDGE PLUG, TRIP IN 5 STANDS DRILL PIPE (300'), SET PLUG, TRIP BACK OUT OF HOLE. PRESSURE TEST BLOW OUT PREVENTER & RELATED WELL CONTROL EQUIPMENT. TESTED BOTH UPPER & LOWER BLIND RAMS, UPPER & LOWER PIPE RAMS, HCR VALVES, KILL LINE, MANIFOLD VALVES, MANUAL VALVES & CASING @ 1500 PSI FOR 15 MIN FOR HIGH PRESSURE TEST & 250 PSI FOR 15 MIN FOR LOW PRESSURE TEST. BLW OUT PREVENTER & ALL WELL CONTROL EQUIPMENT TESTED GOOD. TIH, ROTATE IN AND COME OFF BRIDGE PLUG, TOH WITH BRIDGE PLUG. DRILLING, ROTATING FROM 5839' TO 5936'.

DRILLING, ROTATING FROM 5936' TO 6240'.

DRILLING, SLIDING & ROTATING FROM 6240' TO 6406'. DECISION WAS MADE TO TD THE WELL @ CURRENT MEASURED DEPTH OF 6406'. RUN 4.5" PRODUCTION LINER.

RAN PRODUCTION LINER. LANDED LINER ON BOTTOM @ 6406'. LINER TOP @ 4090.83. BOTTOM 31 JOINTS (1,199.21') PRE-PERFORATED LINER W/1 PERFORATION PER EVERY 3 FEET. JOINTS NUMBER 3, 5, 7, 9, 16 & 27. HIGH DENSITY PERFORATIONS, 2 HOLES PER EVERY FOOT.

RIG UP CUDD PRESSURE CONTROL TO RUN 2 7/8" DRILL PIPE.

TIH W/ 2 7/8" DRILL PIPE TO THE TOP OF 4.5" LINER @ 4090' RKB. TOH W/ 2 7/8" DRILL PIPE. LAYING DWN DRILL PIPE. RE-RIG CUDD PRESSURE CONTROL TO RUN 3.5" PRODUCTION TUBING. RE-RIG SAN JUAN CASING CREW TO RUN TUBING, CHANGE OUT 2 7/8" BOP RAMS TO 3.5" RAMS.

RUN 3.5" TUBING. RAN 131 JOINTS OF 3.5", 9.3#/FT, J-55. TOTAL STRING LENGTH @ 4076.60'. LANDED TUBING @ 4090' RKB. RELEASE AZTEC DRILLING RIG ON 5/6/94.