Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.
SF--081239

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.
L. C. Kelly #3 E

2. Name of Operator
Amoco Production Company

Attention:
Lois Raebrun

9. API Well No.
3004525602

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

(303) 830-5294

10. Field and Pool, or Exploratory Area
Fkia Vusta Gallup

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1710 FNL 880 FEL Sec. 4 T 30N R 12 w

11. County or Parish, State
San Juan 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 _____	☐ 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 Petroleum Company request permission to recomplete the above named well.

See attached procedures.

If you have any questions please contact Lois Raeburn @ (303) 830-5294

RECEIVED
BLM
94 MAY 26 AM 11: 2
070 FARMINGTON, NM

RECEIVED
JUN - 6 1994
OIL CON. DIV.
DIST. 3

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

Signed Lois Raebrun Title Business Assistant Date 05-24-1994

(This space for Federal or State office use)

Approved by _____ Title _____ Date APPROVED
MAY 2 1994
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.

* See Instructions on Reverse Side

NMOCD

L. C. Kelly 3E
Sec. 4-T30N-R12W
San Juan County, New Mexico
Gallup Completion Procedure

REASON FOR WORK

Amoco wants to dual complete this well. The wellbore is currently completed in the Dakota formation. Amoco wants to maintain the Dakota completion and at the same time come uphole and complete and produce the Gallup formation. The two zones will be separated by a packer with the Dakota producing up 2.375 inch tubing and the Gallup producing up the tubing\casing annulus. The Gallup completion should result in the recovery of 491 MMCF of gas reserves.

COMPLETION OBJECTIVES

Perforate the Gallup formation from 6030-6040, and 6050-6060 feet and fracture stimulate. Complete work for less than $100,000.

CONCERNS / NEEDS

1. All wellbore fluids need to filtered through a five micron absolute filter before being pumped into the wellbore.

2. A class B neat cement should be used if any squeeze work is required.

3. Federal or State agencies will need to be contacted prior to starting rig work.

RISKS

The wellbore has an economic Dakota completion below the Gallup. The Dakota completion will need to be protected from the uphole workover fluids with a RBP capped with sand so that it can be restored to production after the Gallup completion is finished. The Gallup fracture stimulation will be down the 4.5" casing.

SUGGESTED PROCEDURE

1. Install and/or test anchors.

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

3. Blow well down, kill well if necessary with filtered 2 % KCL water.

4. Nipple down wellhead, nipple up and pressure test BOP.

5. Pull 2.375 inch TBG.

6. Trip bit and scraper for 4.5 inch, 10.5 lb/ft , K-55 CSG to 6200 feet.

7. Run cement bond log from 6700 feet to surface, if there is no cement bond log in the Farmington office.

8. Set a RBP at 6150 feet (if there is good cement behind pipe). Cap with 10 feet of sand. TOOH.

9. If necessary perf and block squeeze the Gallup interval to insure the frac does not travel behind pipe.

10. Pressure test the CSG to 3000 psig.

11. Perforate the Gallup pay at the following footages:

6030 - 6040
6050 - 6060

with 4 JSPF. Correlate perforation depths to Gearhart's Dual Induction Laterolog log dated 3-10-83.

12. Breakdown the two perforation intervals using a RBP and PKR and 2% KCL water.

13. Fracture stimulate down the 4.5 inch CSG with rasen coated sand according to the attached frac schedule A.

14. Clean out wellbore to 6100 feet with 2.375 inch TBG.

15. Hang 2.375 inch TBG at 6020 feet. Flow well to a tank to clean up through a 0.25 inch choke. Obtain flowing TBG and CSG pressures. Obtain gas, water, and crude samples for analysis. Forward analysis results to Steve Smethie.

16. Kill Gallup with 2% KCL water. Wash sand off RBP at 6150 feet and pickup RBP and TOOH.

17. TIH with 2.375 inch TBG and production PKR. Set the PKR at 6160 feet (if there is good cmt behind pipe) between the Dakota and Gallup formations. Have blast joints hanging across the Gallup perforation interval and have the TBG intake set at 6784 feet.

18. Swab the Dakota formation in and RTP.

19. Run coil TBG if necessary to 6060 feet and unload the Gallup formation with nitrogen. RDSU. Flow the Gallup through a separator for 3 days or until the flow rate stabilizes. Vent or Flair gas.

20. Shut well in for PKR test. Test procedure will follow at a later date. First deliver the Gallup after the PKR test is completed.

KELLY3E