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-078101.

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.
Shipp Gas Com

2. Name of Operator
Amoco Production Company

Attention
Lori Arnold, rm. 1232

9. API Well No.
1

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

10. Field and Pool, or Exploratory Area
Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FSL 1850' FEL S 1 T 27N R 13W

11. County or Parish, State
San Juan, NM

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 intends to perform the attached workover procedure to eliminate bradenhead pressure.

Verbal approval to commence workover received on 1/22/93 from Steve Mason of the BLM.

RECEIVED
MAY 13 1993
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
93 MAY -7 AM 11:23
070 FARMINGTON, NM

If you have any questions please call Lori Arnold at 303 830-5[illegible]51.

14. I hereby certify that the foregoing is true and correct
Signed Lori Arnold Title Business Analyst Date 5/5/93

(This space for Federal or State office use)

APPROVED
MAY 10 1993
DISTRICT MANAGER

Approved by _____ Title _____
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.

NMOCD

Workover Procedure
~~Gallegos Canyon Unit #106E~~ Shipp Gas Com #1
~~Sec. 24-T29N-R13W~~ Sec. 1 T 27N R 13W
San Juan County, NM

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 and kill well, if necessary, with 2% KCL water.

6. ND wellhead. NU and pressure test BOP's.

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

8. TIH with bit and scraper to top of perforations. 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 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 Emily Miller in Denver at (303) 830-4214. If no leak is found, it may be necessary to perforate the casing below surface casing depth or above the top of cement in order to circulate cement to surface.

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, and if necessary a noise log.

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 production string (1/2 mule shoe on bottom and seating nipple one joint off bottom) and land tubing to original depth. NDBOP. NU wellhead.

21. Swab well in and put on production.

22. RDMOSU.

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ACCEPTED FOR RECORD

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Approved by _____ Title _____ Date MAY 10 1993

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE
BY

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NMOCD

SHIPP GAS COM #1

Original plans were for a clean out. On 1/18/93 MIRUSU. Pmp 10 bbls wtr down tbg & remove bonnet & master valve & found hanger leaking. Cut bop studs to fit tapered tbg head & work hanger lock down pins. Pull 50K & jar hanger loose & found washed out hanger seals. TIH & tag pbd at 5955'. No fill. On 1/19/93 strap out of hole & bottom 1220' of tbg was pitted as if in wtr for some time. No strap correction & tbg was landed at 5901'. TIH & hydro tst tbg to 4500 psi. O.K. Finish hydro tsting all tbg to 4500 psi & hang tbg below rtts set at 248' from surface on 1/20/93. Chg out both casing valves. Rework & enable one lock down pin to seal hanger. Release pkr and TOH w/same. Run 5.5 inch casing scrapper to 5955' and tag pbd. TOH & TIH w/rpb & set at 3000'. On 1/21/93 w/tbg at 2933' load hole and circ all gas out of hole. Pressure tst csg from surface to 3000' at 1000 psi. O.K. Spot 2 sxs of sand on bp & TOH. Run blue jet noise log in fluid & record noise activity at 1300' & 800'. Perf w/2 half inch holes at 1350 in pc formation. Pmp 24 bbls wtr down csg & out holes at 1350' and got circ. Kent Sauvageau spoke w/& notified Steve Mason w/BLM & Diana Fairhust & Charlie Goulson w/NMOCD at 1530 on 1/22/93. Received permission from both to procede w/cmt job on 1/25/93 with or without circ as a good attempt had been made to get circulation. Both agencies recommended running cbl & evaluate cmt highth after squeeze to determine if more hole and cmt will be required. On 1/25/93 TIH w/rtts & set pkr at 1006' & pressure tst annulus to 1000 psi. O.K. On 1/26/93 place 1000 psi on pkr annulus and hold. Pmp 525 sxs of Howco lite. Mixed 67 bbls of this cmt at 12.7 ppg & rate was .7 to 1.4 bpm & pressure remained at 1000 psi. Up the density for the last 94 bbls of lite to 13.3 ppg & rate avg of 1.2 at 1000 psi. Tail in w/50 sxs of howco std b cmt. Displace to 1250' & shut-in 900 psi final squeeze pressure. Spoke w/Charlie Goulson through out the day on all job details, results, & specifics. On 1/27/93 rel pkr & TOH. TIH w/4.75" bit and tag cmt @ 1270'. Drl cmt to 1435'. TIH to 1680' & circ hole clean. Pressure tst squeeze to 1060# & bled off to 900# in 30 min. TOH w/bit & pressure tst squeeze again to 1000 psi & bled to 860 in 15 min. Run cbl from 2950' to surface. Good bond & isolation from 2950' to 1270' & excellent bond from 1270' to 1180'. No bond above 1180'. Pressure up casing again to 1000 psi. Pressure is falling slowly again. Release pressure. NMOCD reps Charlie Goulson & Diana Fairhust arrived loc at 1100 hours & then were informed of progress from previous afternoon & todays activities. Notified Steve Mason of progress & results of drill out and questionable pressure tst. On 1/28/93 load hole & pressure tst to 825 psi from surface to 3000'. Tst held good for 30 min. Perf at 1120' 2 squeeze holes & establish circ down csg & up annulus at 3 bpm & 500 psi. Tremendous amt of shale, coal, & sand to surface. TIH set rtts at 903' & circ hole. Cmt down 2.375" tbg at 1 bpm & 1000 psi. Pmped 162 sxs of lead class b. Attempt to start tail cmt & had to go to flush & pmp 7 of 7.5 bbls of displacement when tbg communicated w/csg. Immediately pulled pkr out of hole and load hole & pressure up w/500 psi on squeeze. Contacted Charlie Goulson w/NMOCD & Steve

Mason w/BLM twice during day of results, plans, & cmt job time. On 1/29/93 load hole & pressure tst squeeze to 860 psi from 15 min & lost 80 psi. TIH w/bull plugged tbg & tst tbg to 1500 psi & had no leaks. Tag cmt at 957'. TOH & lay down tbg. Run cbl and had no cmt from 950 up. Run mtt csg insp log & chk csg at 900' & had no split. All csg from 947' up in good condition. TIH w/pkr & eliminate all csg leak to bleed by of cmt sqz top at 957'. Lost 60 psi of 560 psi tst in 30 min. On 2/1/93 TIH & drill out 204' of cmt from 957' to 1161' & RIH to 1450' & chk for stringers. TOH & run cbl from 1450' to 300'. Cmt top at 960' or 50' above Fruitland at 1030'. Pressure tst csg to 3006' & both squeezes to 760 psi for 30 min & had good test. Had Charlie Goulson w/NMOCD view cbl & witness the pressure tst. On 2/2/93 circ sand off bp and rel bp. TIH & set bp at 5810'. Pressure tst csg to 500 psi. Pressure bled to 270 psi in 40 min. Contacted Ken Townsend w/BLM & informed him of NMOCD agreement to accept 960' cmt top of squeeze 2 & no major pressure build up or flow out of bradenhead. Rel bp at 5810' & TOH w/bp. TIH w/mule shoe & seating nipple land tbg at 5950'. Swab. Csg pressure built to 200 psi. Strip in hole & tag pbd at 5955'. String out of hole & land tbg at 5907'. NDBOP. NUWH. On 2/5/93 RDMOSU.