UNITED STATES

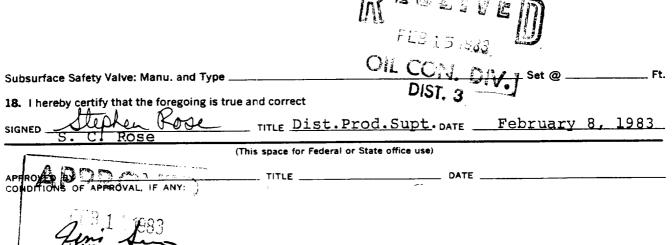
DEPARTMENT OF THE INTERIOR	SF 078863
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9–331–C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME Krause WN Federal
1. oil gas well other	9. WELL NO.
2. NAME OF OPERATOR ARCO Oil and Gas Co., Div	1E
of Atlantic Richfield Company 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Basin Dakota-Dakota
P.O. Box 5540, Denver, Colo. 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Sec. 32-28N-11W
AT SURFACE: 790' FNL & 1520' FWL (NE NW), AT TOP PROD. INTERVAL: Appx.same Sec. 32	12. COUNTY OR PARISH 13. STATE San Juan New Mexico
AT TOTAL DEPTH: Appx. same	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	30-045-24120
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5838' GL; 5852' KB
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL(Casing) XX PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone sufficiency on Form 9–330.)
PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone SURVILLE Change on Form 9–330.)
CHANGE ZONES	
ABANDON*	

5. LEASE

17. 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.)*

This well is presently incapable of producing due to water entering the well through a hole in the casing. The well first produced in September, 1980. Prior to the casing leak, production was approximately 819 MCFD.

ARCO proposes to workover well to repair hole in casing. Attached is the proposed workover procedure and well data.



*See instructions on Reverse Side

KRAUSE WN FEDERAL 1E WORKOVER PROCEDURE

Well Data

Location: 790' FNL and 1520' FWL, Section 32-28N-11W

Depth: PBTD 6337' (driller) 6330' (GO CBL 5/20/80)

Perforations: 6177-85' (ref: GO CBL 5/20/80)

6206-10¹ 6257-87¹

Casing: 4½" OD, 10.5#, J-55, 8rd, ST&C, R-3 csg set @ 6359'.

Cmt'd 1st stage w/500 gals mud flush and 10BW, 500 sx Halliburton lite w/10# gilsonite/sk, 0.75% CFR-2 followed by 300 sx 50/50 Poz, 0.75% CFR-2, 2% gel. Cmt'd 2nd stage w/500 gal mud flush, 10BW, 350 sx Halliburton lite w/0.75% CFR-2, 2% CaCl₂, followed by 200 sx 50/50 Poz w/0.75% CFR-2, 2% CaCl₂. DV

tool @ 1940' RKB. FC @ 6337' RKB.

Tubing: 2-3/8 @ 5961' with seating nipple @ 5931'.

Procedure

- 1. Move in. Kill well as necessary. Rig up BOP.
- 2. Pull tubing. Inspect tubing for signs of external erosion/corrosion.
- 3. RIH with casing scraper.
- 4. Run Kinley caliper survey on slickline. Note a Kinley man and caliper must be brought from Houston.
- 5. Depending upon results of Kinley caliper, run Schlumberger casing inspection tool.
- 6. Set retrievable bridge plug at 6100'±. Drop 1 sack of sand on bridge plug.
- 7. Using a packer on tubing, isolate casing hole(s) by pressure testing tubing and casing tubing annulus.
- 8. Place packer 200' (15 sx) above casing hole. Squeeze hole with 75 sx class B cement. Monitor braden head for returns. With braden head closed stage last 15 sx. Do not over displace. Note: Additives to cement may be required depending upon depth of hole.
- 9. Drill out cement and run casing scraper.
- 10. Pressure test cement squeeze. Repeat steps 7 thru 9 as required.

- 11. Retrieve bridge plug.
- 12. Run production tubing with production packer. Set bottom of tubing at $^{\pm}$ 6165'.
- 13. Swab well back. Clean up to pit.
- 14. If required, acidize with 2500 gal. of 15% HCl with 1 gal/1000 gal non-emulsifier, 2 gal/1000 gal corrosion inhibitor 1 gal/1000 gal surfactant, and 5 gal/1000 gal iron sequestering agent.

JRM 12/27/82