Form 9–331
Dec. 19??

Form Approved.
Budget Bureau No. 42-R1424

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### GEOLOGICAL SURVEY

## 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.)

| | | | |
|---|---|---|---|
| 5. LEASE | SF 078863 | | |

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
- - -

7. UNIT AGREEMENT NAME
- - -

8. FARM OR LEASE NAME
Krause WN Federal

9. WELL NO.
1E

10. FIELD OR WILDCAT NAME
Basin Dakota-Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 32-28N-11W

12. COUNTY OR PARISH   13. STATE
San Juan           New Mexico

14. API NO.
30-045-24120

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5838' GL; 5852' KB

1. oil well ☐   gas well ☒   other

2. NAME OF OPERATOR ARCO Oil and Gas Co., Div. of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colo.  80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 790' FNL & 1520' FWL (NE NW),
AT TOP PROD. INTERVAL: Appx. same    Sec. 32
AT TOTAL DEPTH:    Appx. same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | | ☐ |
| FRACTURE TREAT | ☐ | | ☐ |
| SHOOT OR ACIDIZE | ☐ | | ☐ |
| REPAIR WELL (Casing) | XX | | ☐ |
| PULL OR ALTER CASING | ☐ | | ☐ |
| MULTIPLE COMPLETE | ☐ | | ☐ |
| CHANGE ZONES | ☐ | | ☐ |
| ABANDON* | ☐ | | ☐ |
| (other) | | | |

RECEIVED
FEB 1? 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON N. M.

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

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.

RECEIVED
FEB 15 1983
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _Stephen Rose_
S. C. Rose
TITLE Dist.Prod.Supt.   DATE February 8, 1983

(This space for Federal or State office use)

APPROVED
APPROVED
CONDITIONS OF APPROVAL, IF ANY:

FEB 1 1983
JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

## 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)
                    6206-10'
                    6257-87'

Casing:             $4\frac{1}{2}$" 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% $CaCl_2$, followed
by 200 sx 50/50 Poz w/0.75% CFR-2, 2% $CaCl_2$.   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'$^{\pm}$. 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