5. LEASE

UNITED STATES DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR	SF 078863
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR THIBE 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
1. oil gas 🐷	8. FARM OR LEASE NAME Krause WN Federal
2. NAME OF OPERATOR ARCO Oil and Gas Company	9. WELL NO. 8E
Division of Atlantic Richfield Company 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Basin Dakota
P. O. Box 5540, Denver, Colorado 80217 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
below.) AT SURFACE: 1595' FNL & 2170' FWL	29-28N-11W 12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH: Approx the same	San Juan New Mexico 14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	30-045-24123 15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	5750' GL
TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9–330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is different measured and true vertical depths for all markers and zones pertiner Drilled to 6280' and logged. Ran 150 jts 4-1 (6290.50'), GS .75', FC 1.65', DV tool 3.30' DV @ 1933', 15 scratchers and 15 centralizers lst stage with 500 gals mud flush, 10 BW, 500 3/4% CFR-2, 188 bbls slurry, followed with 30 2% gel, 67 bbls slurry. Displaced with 99 BV plug with 1600#, float held OK. PD @ 12:00 N throughout job. Cemented 2nd stage with 500 Halliburton lite, 3/4% CFR-2, 2% CaCl, 98 bbl poz mix, 3/4% CFR-s, 2% CaCl, 44 bbls slurry pressure 400#. Closed DV with 1600#. PD @ 4 throughout job. Released rig @ 7:00 am 4-25-Waiting on Completion. Subsurface Safety Valve: Manu. and Type	lirectionally drilled, give subsurface locations and it to this work.)* 1/2", 10.5#, J-55, 8rd, ST&C, Rge 3 (total 6296.20'). FC @ 6241', s. Casing landed @ 6281'. Cemented 0 sxs Halliburton lite, 10# gilsonite/s 100 sxs 50/50 poz mix, 3/4% CFR-2, W. Circulate pressure 1100#. Bumped 110 MN 4-24-80. Circulated full returns 121 gals mud flush, 10 BW, 300 sxs 122 slurry, followed with 200 sxs 50/50 123 Displaced with 30 BW 124 Lated 125 am 4-25-80. Had 111 and 111
SIGNED WAWAITA MA TITLE Operations Ma	anagerbate 4-30-80
(This space for Federal or State of	
APPROVED BY TITLE TITLE TO CONDITIONS OF APPROVAL, IF ANY:	DATE RECEIVE
ACCEPTED FOR RECORD	Side DATE RECEIVED MAY 21580
MAY 5 1980 *See Instructions on Reverse :	Side U. S. GEOLOGICAL SUFTER