ARMINGTON DISTRICT

5 - USGS 1 - Pioneer Form Approved. Form 9-331 Budget Bureau No. 42-R1424 Dec. 1973 UNITED STATES 5. LEASE DEPARTMENT OF THE INTERIOR NM 010063 6. IF INDIAN, ALLOTTEE OR TRIBE NAME GFOLOGICAL SURVEY 7. UNIT AGREEMENT 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.) 8. FARM OR LEASE NAME Lucerne D gas well XX 9. WELL NO. well  $\square$ other #1E 2. NAME OF OPERATOR 10. FIELD OR WILDCAT NAME Pioneer Production Corp. Basin Dakota 3. ADDRESS OF OPERATOR 11. SEC., T., R., M., OR BLK. AND SURVEY OR Box 208, Farmington, NM 87401 **AREA** 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 Sec 21 T28N R11W below.) 12. COUNTY OR PARISH 13. STATE AT SURFACE: 1030' FSL - 880' FWL AT TOP PROD. INTERVAL: NM San Juan AT TOTAL DEPTH: 14. API NO 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, 15. ELEMATIONS (SHOW DF, KDB, AND WD) REPORT, OR OTHER DATA 5822 SUBSEQUENT REPORT OF REQUEST FOR APPROVAL TO: XΧ TEST WATER SHUT-OFF FRACTURE TREAT (NOTE: Report results of multiple completion or zone SHOOT OR ACIDIZE REPAIR WELL U.S. CEOLCOICAL PULL OR ALTER CASING FARMING TON M MULTIPLE COMPLETE CHANGE ZONES ABANDON\* (other) 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 cones pertinent to this work.)\* See attached report for 4½" csg., 11-25-81. Set @ \_ Subsurface Safety Valve: Manu. and Type \_\_\_ 18. I hereby certify that the foregoing is true and correct 2-10-81 Geologist DATE (This space for Federal or State office use) FEB-1 7 1981 DATE \_ TITLE APPROVED BY APPROVAL, IF ANY: CONDITIONS OF

PIONEER PRODUCTION CORP. Lucerne D #1E Page 3

## 11-25-80 T.D. 6504' - Ran $4\frac{1}{2}$ " O.D. csg as follows:

1 - Dowell 4½" guide shoe 1 jt 4½" OD, 11.6#, K-55, 8 Rd, ST&C csg 1 - Dowell 4½" differential fill float collar 49 jts - 4½" O.D., 11.6#, K-55, 8 Rd, ST&C csg 1 - Dowell two-stage cementing collar 114 jts - 4½" O.D., 11.6#, K-55, 8 Rd, ST&C csg	.75' 39.54' 1.75' 2010.44' 2.00' 4454.91'
Total Equipment Less cut-off	6509.39' 18.00' 6491.39'
RKB to csg head	11.61
Set at RKB	6503.00

Cemented first stage w/ 30 bbls of spacer 1000 followed by 225 sx class H self-stress cement (a total slurry 389 cu.ft.) Had good circulation throughout job. Reciprocated pipe - OK while circulating. Bumped plug w/ 1500 psi. Float held OK. Dropped opening bomb. Opened stage tool @ 4455! Circulated w/ rig pump 2-1/2 hrs. Cemented second stage w/ 15 bbls CW-100 followed by 550 sx 65-35 plus 12% gel, 12½# gilsonite per sx and ½# cello-flake per sx followed by 200 sx 50-50 pos., 2% gel - 10% salt (BWOW) - (Total slurry 1819 cu. ft.). Good mud returns throughout job-closed stage tool w/ 2500 psi; held OK. Job complete @ 9:10 a.m. 11-24-80. N.D. B.O.P.. Set 4½" csg slips; cut off 4½" csg and released rig @ 10:30 a.m. 11-24-80.