

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

N. M. OIL CONS. COMMISSION  
P. O. BOX 1980  
HOBBS, NEW MEXICO 88240

Form Approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

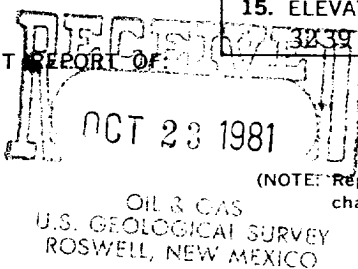
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐  
well well  
2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Co.  
3. ADDRESS OF OPERATOR  
P. O. Box 1710, Hobbs, N M 88241-1710  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17  
below.)  
AT SURFACE: 1810' FNL & 2164' FWL (Unit F)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,  
REPORT, OR OTHER DATA

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

SUBSEQUENT REPORT OF:

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5. LEASE  
LC-055546  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Custer Wells  
9. WELL NO.  
1  
10. FIELD OR WILDCAT NAME  
Custer Ellenburger/Devonian  
11. SEC., T., R., M., OR BLK. AND SURVEY OR  
AREA  
6-25S-37E  
12. COUNTY OR PARISH  
Lea  
13. STATE  
N M  
14. API NO.  
30-025-27374  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
3239.1' GR

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

☒ Plug back, spot cmt plugs, log, directionally  
drill new hole. Run 7" OD csg & cmt & test.

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.)\*

Fin drlg 8-3/4" hole to 9440' 5/29/81. POH w/bit. Ran Sperry Sun "Boss" Gyro survey,  
indicated horizontal displ 23.47' @ South 12° & 13 mins West. RIH w/bit, drld to  
10,319'. POH, ran Sperry Sun "Boss" Gyro survey 10,319-9200', indicated horizontal  
displ 273.07' @ North 3° & 56 mins East. Ran GR-DLL 10,319-6200', CNL-Density log  
10,319-6180' & Dipmeter 10,319-7500'. On 6/14/81 RIH w/bit to circ & cond hole for  
plug back. POH w/bit. RIH w/DP open ended to 10,294', spot 40 sx Cl H neat cmt,  
pld DP to 9830', spot 80 sx Cl H neat cmt, pld DP to 9085', spot 40 sx Cl H neat cmt,  
pld DP to 8716', spot 80 sx Cl H neat cmt, pld DP to 7757', spot 40 sx Cl H neat cmt.  
Pld DP to 6732' pmpd 30 BFW ahead of 250 sx Cl H cmt contg 5% CFR-2 & 3# sd/sk. Displ  
w/82 bbls drlg mud @ 11:06 PM, 6/14/81. POH w/DP. WOC. RIH w/bit, tagged cmt plug  
@ 6377' PBD. Drld 6' cmt. POH w/bit on 6/18/81 commenced drlg 8-3/4" hole @ 6383'  
w/Navi drill & steering tool. Drld to 6508'. POH w/Navi drill & steering tool. RIH  
mill tooth bit & re-seat steering tool. Drld w/Navi drill & steering tool to 6566'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED James S. Smith TITLE Dist. Drlg. Supt. DATE 10/20/81  
FOR RECORD  
JAMES A. CHAPMAN (This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL: OCT 23 1981

U.S. GEOLOGICAL SURVEY

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Could not drill off cmt plug. POH w/bit, Navi drill & steering tool. RIH w/2-7/8" tbg OE to 6564', spot 250 sx CI H cmt w/.05% CFR-2 & 1% CaCl<sub>2</sub>. Displ w/81 BFW. Cmt down @ 2:30 AM, 6/19/81. WOC. RIH w/bit, CO cmt to 6472'. Set tool face west. On 6/23/81 commenced drlg w/Baker drill & steering tool. Drld 8-3/4" directional hole to 9328' on 7/13/81. Directional survey indicated meas depth of 9328', Deviation 22°, TVD 9247.33', Vertical Section 595.48', North 88°W, 33.26' North, 595.72' West. Drld to 9440', gained 150 bbl drlg fluid in 7 mins. SWI, ISIP 1700#, incr to 2300#, open well thru 3/8" ck ARO 7 MMCFGPD, circ gas out of mud, contd drlg to 9688'. POH w/bit. Survey indicated Deviation 22°, Direction N88°W. Depth 9481', 21-3/4°, N86°W. Depth 9537', 20-3/4°, N86°W. Depth 9638', 19½°, N85°W, TVD 9536.23', Vertical Sec 707.80', 39.54°N, 707.83°W. Drld to 9810', Deviation 19½° @ 9638', N85°W, 9729', 19°, N85°W, TVD 9622.14', Vertical Sec 737.79', 42.15°N, 737.72°W. Drld to 10,027' ran Deviation @ 9978', 22-3/4°, N83°W, TVD 9853.73', Vertical Sec 828.95', 52.75°N, 828.49°W. Drld 8-3/4" hole to 10,803' on 9/01/81. Ran directional survey @ 10,670' MD, 12½°, N82°W, 10,783' MD, 13½°, N84°W, TVD 10,691', Vertical Sec 1032.72', N74.19', W1031.15'. Fin drlg 8-3/4" hole to 12,651' on 9/23/81 8-3/4° @ 12,621', N77°W, 12,437.53' TVD, 1366.28' Vertical Section N101.59', W1363.88'. Ran DIL, CNL/FDL, Computer Process log "Cyberlook". RIH w/2,142' 7" OD 29# SS-95 csg, 10,523' 7" OD 26# SS-95 csg set @ 12,651'. FC @ 12,564', SC @ 9087'. Cmt 1st stage w/1500 sx CI C 50-50 Pozmix contg 8/10% Haled 22-A, 6#/sk salt, ¼#/sk flocele. PD @ 4:40 AM, 10/10/81. Circ 200 sx cmt thru SC @ 9087'. Cmt 2nd stage thru SC @ 9087' w/1500 sx Howco Lite contg 5#/sk gel, ¼#/sk flocele followed by 200 sx CI C neat cmt. Good circ thru out 2nd stage, no cmt circ to surf. CIP @ 12:30 PM, 10/10/81. WOC. RIH w/6" bit to FC @ 12,646'. Pressure test csg to 1500# for 30 mins, OK. Ran CBL, good bond 12,646-11,000', fair to good bond 11,000-8250', poor bond 8250-7700', fair bond 7700' to TOC @ 2660'. Preparing to drill out of 7" OD csg shoe w/6" bit on 10/17/81.