

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

C. L. CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.I.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. State Oil & Gas Lease No.

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 "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL ☐ GAS ☒ OTHER ☐  
2. Name of Operator **ARCO Oil and Gas Company**  
Division of Atlantic Richfield Company  
3. Address of Operator  
Box 1710, Hobbs, New Mexico 88240  
4. Location of Well  
UNIT LETTER **H** **1780** FEET FROM THE **North** LINE AND **660** FEET FROM  
THE **East** LINE, SECTION **20** TOWNSHIP **22S** RANGE **36E** NMPM.  
15. Elevation (Show whether DF, RT, GR, etc.)  
**3547' GR**

7. Unit Agreement Name  
8. Farm or Lease Name  
**Langley Boren Com.**  
9. Well No.  
**1**  
10. Field and Pool, or Wildcat  
**Langley Ellenburger Gas**  
12. County  
**Lea**

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
PULL OR ALTER CASING ☐ OTHER ☐ CASING TEST AND CEMENT JOBS ☒ Prod Csg  
OTHER **DST, Core, Log, Perf & Treat** ☒

17. Descriptive Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

On 4/30/79 ran **DST #1** 9250-9310' Strawn. TO @ 5:55 AM 5/1/79 w/good blow. Opened tool for 15 mins on  $\frac{1}{4}$ " ck, increased from 0-130 psi. Closed tool for 60 mins, gas to surf in 45 mins. Opened tool for 60 mins 2nd flow, increased 0-140 psi in 35 mins, then decreased to 95 psi in 25 mins. Closed tool. In 2 mins of Final close in, well started unloading oil & gas at surf. RO 15 bbls gas cut oil & 4 bbls mud. POH w/test tools. **DST #2** 12,350-12,480' Upper Devonian. TO @ 6:10 PM 5/25/79 w/good blow. In 10 mins increased 0-90 psi. Opened on  $\frac{1}{4}$ " ck, press @ surf 90 psi. Gas to surf in 35 mins. Max flow rate 430 MCFD. Rec 5 bbls black slightly water cut condensate. POH w/test tools. Drld 12480-551'. Core #1 12,551-12,574' Lower Devonian. Cut 23', rec 23', core Dolomite, limey, vuggy w/fractures. Core #2 12,574-12,603' Devonian. Cut & rec 29' core, gray w/white dolomite, vuggy w/fractures. Drld to 12,680'. **DST #3** 12,534-12,680' Devonian. TO @ 5:15 AM 6/1/79, GTS in 7 mins,  $\frac{3}{4}$ " ck, 1000#, 14.7 MMCF/GPD. Stabilized on flow period @ 1175# on  $\frac{3}{4}$ " ck, 17.25 MMCF/GPD. Tool closed @ 8:35 PM for 6 hr FSIP. POH w/test tools. RO 5 bbls condensate @ 6000'. Drld to 14,793'. Core #3 McKee 14793-14823'. Cut & rec 29'. Core #4 Ellenburger 15187-15246', cut & rec 59'. **DST #4** Ellenburger 15166-15292'. 2000' WC, TO @ 5:10 AM w/strong blow. GTS in 18 mins. 600# on  $\frac{1}{4}$ " ck. Tool closed @ 5:20 AM. TO @ 6:25 AM 7/2/79 for 45 min final flow, stabilized on  $\frac{3}{4}$ " ck, TP 1600#, 23 MMCF. Closed tool @ 7:05 for final SI 4 hrs. Pkr & tool rel @ 11:05. RO 12 bbls cond, no wtr, no mud. IH 7966, 10 min F 4305-4611, 1 hr ISI 6219, 45 mins FFP 4472-5194, 4 hr SI 6219, FHP 7966. Temp 184°. Fin drlg to 15,550' TD @ 12:10 AM 7/4/79. (cont'd on back)

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED SRK for L.D. CAWE TITLE Dist. Drlg. Supt. DATE 8/9/79

APPROVED BY Orig. Signed by Jerry Sexton TITLE Dist. L. Supt. DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Ran CNL-FDC-GR, Dual Induction log, Sonic log, Dipmeter, Directional Survey. RIH w/7" csg as follows: 5625' 7" OD 26# SS95, 5751' 23# SS95, 3572' 26# SS95, 624' 29# SS95, set @ 15,548'. FS @ 15,548', FC @ 15,462', SC @ 9792'. Cmt'd 1st stage w/1025 sx C1 H w/8% Halad-22, .4% CFR-2, 5# KCL/sk. PD @ 1:45 AM 7/9/79. Opened SC; circ. Cmt'd 2nd stage w/500 sx HL cmt w/.6% Halad-22, .3% CFR-2 & 8# salt/sk followed by 150 sx C1 H cmt w/.8% Halad-22, .3% CFR-2 & 8# salt/sk. PD @ 11:45 AM 7/9/79. WOC. Drld DV tool @ 9798-9800'. Pressure tested 7" csg to 2500# 30 mins OK. CO to 15450' PBD. Ran CBL-GR-Collar log. PBD 15,455' WLM. Perf'd Ellenburger Gas selectively 15148, 58, 81, 93, 99, 15211, 23, 30, 36, 43, 57, 74, 85, 15302, 24, 32, 45, 58, 62, 69, 77, 87, 15407'. RIH w/pkr & tbg for dual completion. Set pkr @ 15,045'. Trtd Ellenburger 15,148-15,407' w/25,000 gals DS-30 acid & 500 SCF N<sub>2</sub>/bbl in 2 stages. MP 8600#, ATP 8000#, ISIP 1000#, 15 mins 700#. Turned to separator & sales line on 18/64" ck, TP 3800#, sep 700#, sales line 600# ARO 5.787 MMCF. In 15 hrs rec 251 bbls cond. On 24 hr test 7/31/79 flwd Ellenburger perfs 15,148-15,407' ARO 5.414 MMCF on 16/64" ck, FTP 3800#, rec 387 bbls cond, 5 BW. Set plug in Ellenburger tbg, preparing to dual w/ Devonian Gas.

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AUG 14 1979  
O.C.D. HOBBS, OFFICE