

O 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.G.S.	
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- Dry Hole - P&A	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company	8. Farm or Lease Name Langley Esmond
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER B, 660 FEET FROM THE North LINE AND 2310 FEET FROM THE East LINE, SECTION 33 TOWNSHIP 22S RANGE 36E NMPM.	10. Field and Pool, or Wildcat Langley Devonian Gas
15. Elevation (Show whether DF, RT, GR, etc.) 3490.7' GR	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 JOB ☐	OTHER Perf, Treat, Test & P&A ☒

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

RU completion unit 4/11/82. Inst BOP, DO DV tools & cmt, tagged PBD @ 15,817'. Pressure tested csg to 3000# for 30 mins. Ran CBL. Perf'd Ellenburger @ 15,472-15,787' w/27 .52" holes. Set Mod "D" pkr w/expendable plug @ 15,380'. Acidized Ellenburger 15,472-15,787' w/5000 gals 15% NEFE acid. Flwd to pit 10 mins, SITP 1000#. Trtd perms 15,472-15,787' w/5000 gals Series 72 type 20 HCL acid. Frac'd perms 15,472-15,787' w/4000 gals West Pad A, 3000 gals Series 72 Type 20 acid, 4000 gals West Pad A, 4000 gals Series 72, 8000 gals West Pad, 8000 gals Series 72, 10,000 gals West Pad, 8000 gals Series 72 & 10,332 gals West Pad. Flwd back & rec 350 BLW. SI 1 hr, TP 100#, CP 250#. Could not pull pkr @ 15,380'. Backed off tbq @ 15,213'. TOF @ 15,170'. RIH w/Mod D84-32 pkr, set @ 15,150'. Swbd & flwd Ellenburger. On 5/11/82 flwd 2 hrs, rec 5 BO & 0 BW. 20 hr SITP 1500#. Rel from Mod D pkr & POH w/tbg. RIH w/pkr picker & rec pkr @ 15,150'. RIH w/mill to rec pkr @ 15,380'. Tagged TOF @ 15,221', milled over fish 15,247-267' in 5 hrs, heavy cmt & steel in returns. Milled to 15,272' & POH w/mill, rec 11' strip of 7" csg. Milled to 15,373', circ hole clean. TOF @ 15,273'. Ran caliper & CCL 15,222-14,000'. Ran csg inspection log 15,222-12,000'. Ran directional survey 12,000-15,180', indicated horizontal disp below 12,000', 175.63' @ N60, 34'E. Set cmt retr @ 14,145'. Squeezed Ellenburger w/240 sx C1 H cmt cont'g .6% Halad 22A .4% CFR-2. RO 10 sx cmt. Ellenburger abandoned on 6/27/82. Perf'd McKee fm 15,108-15,120' & 15,090-15,098' w/1 JSPF = 22 .50" holes. Set pkr @ 14,770'. Acidized perms 15,090-15,120' w/5000 gals of spear head acid, flushed w/103 bbls slick 2% KCL wtr cont'g 500 SCF/bbl N2. In 5½ hrs swbd tr oil & 23 BFW, gas TSTM. (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 Robert P. Lawrence TITLE Drlg. Engr. DATE 9/16/82

APPROVED BY David R. Catant TITLE OIL & GAS INSPECTOR DATE 3-21-83

CONDITIONS OF APPROVAL, IF ANY:

Langley Esmond #1

Frac'd perfs 15,090-15,120' w/50,000 gals Apollo 60, 48,000# bauxite & 402,000 SCF/N₂, flushed w/2% KCL slick wtr & 500 scf N₂/bbl. In 10 hrs swbd 12 BLW w/trace distillate, gas TSTM. Cmt squeezed McKee perfs 15,090-15,120' thru Model D pkr w/300 sx C1 H cmt cont'g .8% Halad 9 w/.2% CFR-2, 500' cmt left in tbg. McKee abandoned eff 7/21/82. Perf'd tbg 500' above seal assy, sp 500 gals acetic acid 12,850-12,500'. POH w/tbg. Set CIBP @ 13,300'. Perf'd Devonian @ 12,602-12,607, 14, 20, 31, 38, 43, 46, 56, 86, 88, 12704, 08, 15, 18, 25, 28, 41, 47, 52, 56, 60, 84, 88' w/24 .38" holes. Set Mod D pkr @ 12,515'. Pmpd 500 gals 15% NE acid, broke Dev perfs 12,602-12,607 w/4600#. Acidized perfs 12,602-12,788' w/5000 gals 15% NEFE acid. On 8/1/82 swbd perfs 12,602-12,788', rec 2 BO & 90 BW, est 15 MCFG. Cut over Mod D pkr & pushed to 13,368'. RIH w/RBP & p set pkr @ 12,738'. In 9 hrs swbd Dev perfs 12,686-12,788', rec 0 BO, 125 BW, gas TSTM. Latched into RBP, could not pull, pushed RBP down hole. POH w/pkr. Set cmt retr @ 12,678'. Set pkr @ 12,588'. In 7 hrs swbd perfs 12,602-12,656', rec 160 BW w/1% oil & approx 30 MCFG. TP 350#. Rel pkr, stung into retr @ 12,746' & pmpd 100 sx C1 H cmt w/1.25 CF-9 in perfs 12,681-788', MP 3100#. RO 6 bbls cmt. On 8/13/82 swbd perfs 12,602-56' 10 hrs, rec 95 BW w/15% distillate las swab run, approx 45 MCFG. Rel pkr, POH. Perf'd Dev w/1 JSPF @ 12,602, 607, 614, 620, 631, 638 643, 646, 656' = 9 .38" holes. Set pkr @ 12,515'. Swbd 3 hrs, rec 60 BW. Approx 45 MCFG, 20% distillate. Acidized Dev perfs 12,602-56' w/5000 gals 20% NEFE acid. Swbd & cleaned up. SITP 900#. On 8/25/82 flwd 30 mins, rec 5 BO. Swbd 9 hrs, rec 12 BO, 95 BFW, light gas blow. Rel pkr & POH. Ran cmt retr, set retr @ 12,486'. Cmt squeezed Dev perfs 12,602-56' w/150 sx C1 H cmt cont'g .5% Halad 9. RO 20 sx cmt. POH w/tbg. Ran CBL. Perf'd Strawn w/1 JS ea @ 9425, 23, 33, 36, 39, 44, 53, 59, 9461 = 9 .50" holes. Set Lok-set pkr @ 9255'. Acidized perfs 9425-61' w/500 gals 20% acid & flushed w/61 bbls 2% KCL cont'g 20 gals Aqua-flow. In 3 hrs swbd 0 BO & 12 BLW. On 9 hr test 9/2/82 swbd trace oil & 220 BFW. POH w/pkr & tbg. Set cmt retr @ 9309'. Squeezed perfs 9425-61' w/150 sx C1 H cmt, RO 20 sx. Spotted 15' cmt on top of retr. TOC @ 9309'. Spotted 10# brine cont'g 25#/bbl salt gel 9301-6350'. Spotted C1 C cmt plug 6350-6250'. Spotted heavy gelled mud 6250-4000'. Cut 7" csg @ 4008' & POH w/4008' 7" OD csg. Cut 9-5/8" csg @ 2153', could not pull. Cut 9-5/8" OD csg @ 1960' & POH w/1960' 9-5/8" OD csg. Spotted 100' C1 C cmt plug 4072-3972' across 7" OD csg stub @ 4008'. Spotted 10# brine cont'g 25#/bbl salt gel 3972-1960'. Spotted 100' cmt plug 2005-1905' across 9-5/8" OD csg stub @ 1960'. Spotted 10# brine cont'g 25#/bbl salt gel 1930-1427'. Spotted C1 C cmt plug 1427-1327' & brine gelled mud 1327' to surface. Spot 20' cmt plug @ surface. Cut off wellhead below GL. Installed regulation dry hole marker. Cleaned & levelled location. P&A 9/10/82. Final Report.

RECEIVED
SEP 27 1982
L-73
M. J. G. G. G.