

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.A.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. 647

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 <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company	8. Farm or Lease Name Exxon State
3. Address of Operator Box 1710, Hobbs, New Mexico 88240	9. Well No. 2
4. Location of Well UNIT LETTER <u>F</u> <u>1980</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM <u>North</u> LINE, SECTION <u>9</u> TOWNSHIP <u>18S</u> RANGE <u>28E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated Morrow Gas
11. Elevation (Show whether DF, RT, GR, etc.) 3634.6' GR	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> Production Csg	
		OTHER <u>Core, DST, Perf, Complete</u> <input checked="" type="checkbox"/>	

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.

Drl'd 7-7/8" hole to 7015' on 8/17/79. DST #1, Bone Springs 6820-7015'. TO @ 6:15 AM 8/17/79. Strong blow to surf. 4# psi on bubble hose in 10 mins. Closed tool @ 6:30 AM for ISI. Tool closed 30 mins. TO @ 7 AM w/strong blow, 15# psi in 35 mins. Press stable 20 mins. Press decr to 6 psi in 75 mins. Closed tool @ 8:15 AM til 12:00 noon. HP 3168#, IFP 580, FFP 1265, SI 2639 2nd IFP 1370, FFP 2613, SI 2665, FHP 3168, BHT 1020F. Rec 90' oil, 500' drlg fluid, 4950' fm wtr. DST #2 9058-9160' Lower Cisco. TO @ 5:30 AM 8/26/79 w/weak blow, no press, flwd for 60 mins. Closed tool for 180 mins. POH w/test tools. Rev 701' fm wtr, very slight trace of oil. First test: IHP 4199, IF 47, FF 189, FSI 3566. Second test: IF 205, FF 316, FSI 3170, FH 4104. DST #3 Atoka 9852-9963'. TO @ 5:15 AM, weak blow, incr slowly in 15 mins. Closed tool. TO @ 6 AM w/weak blow, incr slowly. Closed tool @ 6:15 AM for 30 mins. TO @ 6:45 AM w/weak blow, incr slowly. Closed tool @ 7:45 AM. By-pass tool 9:45 AM, POH w/tools. Rec 800' mud, 351' FW, BHT 1550. IHP 4713, IF 277, FF 341, SI BHP 3252, IF 346, FF 553, FSI 3529, Hyd 4713. Core #1 core bbl jammed. Core #2 10,352-382', cut 26', rec 18'. Core #3 10,382-382' 0' footage. DST #4 10,308-426' Morrow. TO @ 5:45 AM w/good blow, GTS in 5 mins. 3/8" ck, SIP 850#, end of 15 mins w/2.941 MMCFG, closed tool 30 mins. TO @ 6:30 AM to burn pit. Press incr to 1300# in 30 mins, 4.3 MMCF, mud to surf in 30 mins. Flwd 65 mins, press stabilized @ 2150# for 45 mins, 3/8" ck, 7.4 MMCF. POH w/tools. IH 5083, IF 1345, FF 1670, SI 4094, IF 1301, FF 2475, FSI 4096, FHP 5083. Ran FDCL w/Cal, DLL, MSFL, Dipmeter logs. RIH w/4 1/2" OD 11.6# K-55, N-80 csg, set @ 10,424'. FC @ 10,377', DV tool @ 8415'. (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 L. Roy Lane TITLE Dist. Drlg. Supt. DATE 10/17/79

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 22 1979

CONDITIONS OF APPROVAL, IF ANY:

Cmtd 1st stage w/100 sx Pozmix pre-flush, 2% Morflow 2, 4% gel, followed by 700 sx C1 H w/.5 CFR-2, .3 Halad 22-A, 3# KCL/sk, circ 65 sx cmt to pit. Cmtd 2nd stage thru DV tool w/900 sx C1 C cmt, 3% econolite, 2% CaCl, 5#/sk gilsonite, 1#/sk flocele, 600 sx C1 H cmt w/.5 CFR-2, .3% Halad-22, 3#/sk KCL. Circ 204 sx to pit. WOC 48 hrs. Drld DV tool, FC & FS, 2' fm. Press tested csg to 1500# 30 mins OK. Drld to 10,506'. Ran Comp Neutron-FDC, CBL-VDL collar log. Squeezed OH 10,424-10,506' w/50 sx C1 H w/.4% Halad 22, .5% CFR-2. Rev out 4 sx cmt. PBD 10,415'. Perf'd 4½" csg @ 10350, 53, 54, 56, 80, 81, 83, 86, 89, 10390' w/20 holes w/2 JSPF. RIH w/compl assy, set @ 10,262'. Dropped bar, sheared disc & GTS in 6 mins. 100# in 15 mins, 120# in 25 mins, 125# in 35 mins. Flwd 5 hrs 19 mins, final press 320#, 3/8" ck. Open ck to ½", flwd 3 hrs @ 320#, press stabilized ARO 2.3 MMCFD. 12 hr SITP 3000#. On 4 pt test 10/8/79 Morrow Gas perfs 10,350-10,390' indicated CAOF 1200 MCFGD, 1 bbl dist, gvtty 52.5 @ 60°F. Final Report.