

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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JUN 06 1983

O. C. D.
ARTESIA OFFICE

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
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OPERATOR	<input checked="" type="checkbox"/>

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
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 WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name Empire Abo Pressure Maintenance Project
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company		8. Farm or Lease Name Empire Abo Unit "G"
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 301
4. Location of Well UNIT LETTER <u>K</u> , <u>1315</u> FEET FROM THE <u>South</u> LINE AND <u>1315</u> FEET FROM THE <u>West</u> LINE, SECTION <u>33</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> NMPM.		10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3668.5' 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 JOBS <input type="checkbox"/>	
		OTHER <u>Kick Off from Vertical, Drill</u> <input checked="" type="checkbox"/> <u>Horizontal Drainhole in same zone</u>	

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 4/4/83, installed BOP & POH w/tbg & pkr. CO csg to 6195'. RIH w/pkr, set pkr @ 6023'. Press annulus to 1000# & pmpd into Abo w/2 1/2 BPM @ 2000#. Squeezed Abo zone w/75 sx C1 H cmt cont'g .2% Halad-9 followed by 75 sx C1 H Neat. POH w/pkr. RIH w/bit & CO to TOC @ 6178', drld cmt 6178-6270'. POH w/bit. RIH w/ mill & milled 7-5/8" csg section 6229-6240', circ hole clean. POH w/ mill. RIH w/B-plugged 2" x 3' perf'd sub on 2-7/8" DP to 6253', displ csg w/FW. Pmpd 10 BW cont'g caustic, 10 bbls mud flush followed by 50 sx batch mixed C1 H cmt. Reciprocated perf'd sub across milled section 6229-6240'. WOC. POH w/DP & sub. RIH w/bit, CO cmt 6142-6242', no cmt below 6242'. POH w/bit. RIH w/tapered mill, milled out top of 7-5/8" csg stub @ 6240' & tagged PBD @ 6290'. POH w/mill. RIH w/Mod DW-1 whipstock anchor/pkr w/key locator set @ 6248'. Orientated key slot on locator seal assy w/whipstock on surf N70W. RIH w/orientation locator assy, 4" anchor pipe, whipstock, 5 1/2" FJ sheath pipe, (123.11') TIW "LH" hold down & RP spline w/setting tool on drill pipe. Landed in whipstock facing N70W. Set TIW hold down, rel setting tool, whipstock zenith 6234.60'. Top of TIW hold down @ 6099.68'. POH w/setting tool. On 5/2/83 commenced drlg drain hole @ whipstock zenith 6234.6', drld to 6264'. Ran magnetic multi-shot & Gyro survey to 6268' WLTD. TVD 6257', 72°, N64°W. Drld to 6270'. POH w/bit. RIH w/40' of 2-3/8" tailpipe, pkr on DP, set pkr @ 6073', tail pipe @ 6114'. RIH w/1" coiled tbg to 6270'. Spotted 250 gals 15% NEFE @ 6270' w/coiled tbg. POH w/coiled tbg, pmpd acid into fm 6234-70' ARO 1/2 BPM w/1400#. RIH w/coiled tbg to 6270' & spotted 500 gals 15% NEFE acid. Pulled 1" coiled tbg to 3700' & pmpd acid into fm 6234-70' ARO 1/2 BPM w/max press 780#. RIH w/coiled tbg to 6270', spotted Howco injectrol in OH 6234-70' ISDP 800#. (cont'd on back of page)

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

SIGNED Leslie A. Clements TITLE Drlg Engr. DATE 6/01/83

Original Signed By
Leslie A. Clements
Supervisor District II

APPROVED BY _____ TITLE _____ DATE AUG 31 1983

CONDITIONS OF APPROVAL, IF ANY:

54 hr SIP, vacuum. POH w/pkr. RIH w/bit & CO drainhole to 6268'. POH w/bit. Ran multi-shot magnetic survey, WLTD 6269', 76½°N54W. Ran bit & drld 6269-6273', POH w/bit. Ran magnetic multi-shot survey WLTD 6273', 84-3/4°N43W. Ran bit & drld 6273-6303' @ 6:00 AM 5/11/83. Ran magnetic-survey WLTD 6304' (SLM 6303') to 6253'. WL measure @ 6302' 92°N38W. Drld 6302-6403'. Ran magnetic multi-shot 6302', 92°N38W. Drld to 6403' on 5/13/83 (168' drain hole). Ran magnetic-multi-shot @ 6305', 93°N3W, @ 6310' 93½°N38W, @ 6315' 94°N37W, @ 6320' 94-3/4°N37W, @ 6325' 95°N37W, @ 6330' 96°N37W, @ 6335' 97°N37W, @ 6340' 97½°N37W, @ 6345' 98°N37W, @ 6350' 98½°N37W, @ 6355' 99°N37W, @ 6360' 99-3/4°N36W, @ 6365' 100°N37W, @ 6370' 100-3/4°N37W, @ 6375' 100°N36W, @ 6380' 101½°N36W, @ 6385' 102°N36W, @ 6390' 102-3/4°N36W, @ 6395' 103°N36W, @ 6400' 103-3/4°N37W, @ 6401' 103-3/4°N37W. Drld 4-3/4" hole 6403-6423' (188' DH). POH w/bit. Ran Magnetic-multi-shot survey @ 6385' 102°N36W, @ 6395' 103°N36W, @ 6400' 103½°N36W, @ 6401' 103½°N36W, 6403' 103-3/4°N36W, @ 6405' 104°N36W, @ 6407' 104°N36W, @ 6409' 104½°N37W, @ 6411' 104-3/4°N37W, @ 6413' 105°N37W, @ 6415' 105°N37W, @ 6417' 105½°N37W, @ 6419' 105½°N37W, @ 6421' 106°N37W, @ 6423' 106°N37W. Btm hole @ 6423' N284.303', W123.449', TVD 6236.079'. Drld 4-3/4" hole 6423-6435' (200' drain hole). Ran magnetic multi-shot survey 6411-6430'. At 6411' 104-3/4°N36W, @ 6415' 105°N36W, @ 6419' 105-3/4°N36W, @ 6423' 106°N36W, @ 6423' 106°N36W, @ 6424' 106°N36W, @ 6425' 106°N36W, @ 6426' 106°N36W, @ 6427' 106°N36W, @ 6428' 106½°N36W, @ 6429' 106½°N36W, @ 6430' 106½°N36W. Field cal. @ 6430' N289.737' W127.407', TVD 6234.129'. WIH w/4-3/4" bit, displ OH & csg w/2% KCL wtr cont'g 110 gals ARCO F-651 chem. POH w/bit. On 5/17/83 RIH w/Lok-set pkr on 2-3/8" OD tbg, set pkr @ 6069', on-off tool @ 6064', TP @ 6194'. Swbd 4 hrs, rec 3 BO, 42 BLW. In 2 hrs swbd 20 BO, 6 BW. POH w/tbg & pkr. On 5/23/83 RIH w/Baker L.S. pkr cavity on 2-3/8" tbg. Pkr set @ 6075.84'. Ran standing valve. In 24 hrs pmpd 110 BO, 3 BW, 95 MCFG, GOR 864:1. On 24 hr potential test 5/28/83 pmpd 106 BO, 3 BW, 87 MCFG, GOR 820:1. Final Report.