

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 10, 1990

RECEIVED

MAY - 8 1992

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. TYPE OF WELL <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	5. LEASE DESIGNATION AND SERIAL NO. NM-025604
2. NAME OF OPERATOR ARCO Oil & Gas Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS AND TELEPHONE NO. P.O. Box 1610, Midland, TX 79702 (915) 688-5672	7. IF UNIT OR CA, AGREEMENT DESIGNATION
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 610 FSL and 1980 FEL (Unit Letter O) 3-18S-27E	8. WELL NAME AND NO. Empire Abo Unit "L" #11
	9. API WELL NO. 30-015-00758
	10. FIELD AND POOL, OR EXPLORATORY AREA Empire Abo
	11. COUNTY OR PARISH, STATE Eddy

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT <input type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION <input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK <input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> ALTERING CASING <input type="checkbox"/> CONVERSION TO INJECTION
	<input type="checkbox"/> Other

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. 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.)\*

Propose to recomplete Abo in a higher interval and stimulate.

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

SIGNED Kenneth Gosnell TITLE Regulatory Coordinator DATE 4-24-92

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 5/6/92  
CONDITIONS FOR APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**PROPOSED WORKOVER**  
**EMPIRE ABO UNIT WELL L-11**

**Purpose:** Perforate & return shut in well to production

**Prev. Sqz Perfs.:** 5340-65', 5345-80', 5847-58', 5866-75', 5882-92',  
5940-54', 5958-66'

**Prev. Rep Leak:** 3015-46'

**BRIEF OUTLINE OF PROPOSED WORKOVER**

1. Well does not have tubing in it.
2. Perforate 5910-20' w/ 2 JSPF
3. If well is on vacuum: Swab prior to acidizing.
4. If well is not on vacuum: RIH w/ tbg & RET PKR & spot 100 gals 15% HCl.
6. Acidize 5910-20' w/ 1500 gals 15%. Max Press. = 1000 psi.
7. If productive then RIH w/ CA. If not productive set a CIBP.
8. Perforate 5870-90' w/ 2 JSPF. Continue as with steps 3, 4 & 5
9. POH w/ Tbg. & Pkr. RIH w/ CA as per production dept.

**JUSTIFICATION**

EAU Well L-11 was first completed in 1959. A successful workover was done in 1964 when the perforations were moved deeper to 5847-92' OA. The well flowed at 296 BOPD and produced from these perfs until 1980 when they were squeezed. The last well test of 1-1-80 indicated the well would flow 84 BOPD at a GOR of 9762. This was considered to be a high GOR at the time so the interval was squeezed and perforated deeper. The deeper perforations were unsuccessful and the well has been shut in since then.

The immediate offsets to L-11 average 30 BOPD. Based on a similar expected rate gain payout of the proposed workover would take 2.25 months. Clearly, upside potential exists based on the last producing test of the proposed interval.

**COST ESTIMATE**

The estimated gross cost of the workover is \$19,700 based on D. C. Bretches letter of March 3, 1992. Drilling may need to review this cost estimate as it does not specifically match the examples in the 3/3/92 letter.

Tubing is available and is owned by the Unit. The tubing is located in the Field or the Hobbs yard. Co-owner approval is not required as the expenditure is less than \$25,000.

*JA 4-14-92*