

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P.O. BOX 2088

RECEIVED BY NEW MEXICO 87501

AUG 11 1986

O. C. D.

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
OG-103

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 ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator	Empire Abo Unit "K"
ARCO Oil and Gas Company - A Division of Atlantic Richfield Co.	8. Farm or Lease Name
3. Address of Operator	9. Well No.
P.O. Box 1610, Midland, Texas 79702	23
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER J, 2260.5 FEET FROM THE South LINE AND 2270 FEET FROM	Empire (Abo)
THE East LINE, SECTION 6 TOWNSHIP 18S RANGE 28E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
GR 3656'	Eddy

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 ☐	OTHER ☐

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.

*See attached procedure and wellbore schematic.

*Propose to eliminate the water flow via the 8-5/8" x 4-1/2" annulus.

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

SIGNED Frank Ray TITLE Drilling Engineer DATE 8-8-86

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE AUG 19 1986

CONDITIONS OF APPROVAL, IF ANY:

ARCO 34.1401

DATE 2/13/86
AUTH NO.

Well Name and No. EMPIRE Abo Unit "K" #23 (OW) Location 2260.5
2269.44 FEL 330' FNL AND
330' FNL, Sec 6, T-18-S, R-28-E, Eddy Co, NM State Drilled 1960
 Type of Job REPAIR CASING Field EMPIRE (Abo)
 TD 6310' PBD 6300' DATUM 11' RMB Elevation KB 3656' By: T. Day

Wellhead Information

Casing Information:	Size	Weight	Grade	Set @	Sx Cmt	Top
Surface	8 5/8"	24#	J-55	1030'	900	0'
Intermediate	5 1/2"	14# & 15.5#	J-55	6195'	150	5180' (CB)
Producing	3 1/2"	8.8#	K-55	6310'	35	TOL @ 6074'
Liner						

Present Perfs: From 6280' To 6292' Holes 24 Stimulation Acided
 From _____ To _____ Stimulation _____

Present Open Hole: Size _____ From _____ To _____ Stimulation _____

Tubing Data: Size 2 3/8" Wt. 4.7# Grade J-55 Thd EUE 8ad Btmd @ 6080'
 Jts. 193# Misc *JT tally does not indic correct length to TOL

Packer MWL 3" SEAL Nipple Depth 6074' Tension _____ Comp 5000 #
 Tbg Anchor _____

Miscellaneous: 2 3/8" SN @ 6072' * 8 5/8" x 5 1/2" ANN SICP 300 psi. Bled to
50 psi in 45 mins. 5 1/2" x 2 3/8" SICP 0 psi w/ 8 5/8" x 5 1/2" ANN SICP
holding @ 250 psi @ SURFACE.

PROCEDURE

* Check w/ Production and hot oil/water if needed.

1. MIRU PU. Load 2 3/8" prod tbg w/ 2 % KCl water. NU BOP. Test 3 1/2" liner top & 5 1/2" x 2 3/8" ann to 500 psi.
2. Raise 2 3/8" prod tbg and pull 3" OD seal nipple out of seal bore rcptcle at TOL and equalize pressure.
3. Circ hole w/ 2 % KCl water and circ lease oil to TT.
4. POH w/ 2 3/8" CA.
5. RIH w/ 5 1/2" RBP on 2 7/8" WS. Set RBP @ 6000'. Test RBP to 500 psi. Dump 3 sx sd on top of RBP. POH. (If 3 1/2" liner top or 5 1/2" csg leaks f/ step # 1, isolate leaks w/ straddle tools and est PIR and pressure. Repair as needed. If cmt circ's to surface, omit steps 6 - 9).
6. Run Free Pipe log f/ 5400' to surface to determine TOC.
7. Perf 5 1/2" csg w/ 4 shots off Free Pipe log to est circ to surf.
8. RIH w/ FBRC pkr on 2 7/8" WS. Set pkr above sqz holes. PA to 500 psi. Attempt to est circ to surface via 8 5/8" x 5 1/2" ann w/ MXP 3000 psi. POH w/ pkr.
9. RIH w/ CR on WS. Set CR above sqz holes. PA to 500 psi. Cement the 8 5/8" x 5 1/2" ann to surface as needed w/ MXP 3000 psi. POH w/ stinger.
10. RIH w/ 4 3/4" bit, 3 1/2" DC's on WS. DO cmt inside 5 1/2" csg and test to 500 psi. Re-sqz if needed.
11. Wash sd off RBP. POH w/ bit.
12. RIH w/ rtvg hd on WS. Rlse RBP. POH LD 2 7/8" WS & RBP.
13. RIH w/ 2 3/8" prod tbg and MWL 3" OD seal nipple as before. Circ hole w/ TFW. Land seal nipple into seal bore rcptcle in TOL @ 6074' w/ 5,000 lb Compr. Test ann to 500 psi.
14. ND BOP. NU Tree. Test ann to 500 psi.
15. Swab well to kick off flwg and clean up.
16. TOTPS.

----- *D.R.D.* D. R. Dees

EAUK23.TXT

M. B.
8-4-86

General Purpose Worksheet

Subject	EMPIRE Abo Unit "K" #23 (OW)	Page No.	1	Of	1
File	REPAIR CASING	By	T. DAY	Date	2/13/86

PRESENT STATUS

