Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED
JUN 05 '89
O. C. D.
ARTESIA, OFFICE

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Santa Fe	✓	✓
U.S.G.S.		
Land Office		
G of M		✓
Operator	✓	

Form C-103
Revised 1-1-89

WELL API NO.
30-015-21963

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.
B-2071-25

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.)

7. Lease Name or Unit Agreement Name
Empire Abo Unit "F"

1. Type of Well:
OIL WELL [XX] GAS WELL [ ] OTHER

2. Name of Operator
ARCO OIL AND GAS COMPANY

8. Well No.
361

3. Address of Operator
P. O. Box 1610, Midland, Texas 79702

9. Pool name or Wildcat
Empire Abo

4. Well Location
Unit Letter H : 1765 Feet From The North Line and 1270 Feet From The East Line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3668.2 GR

11. 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	[ ]			CASING TEST AND CEMENT JOB	[ ]		
OTHER: Recomplete same zone	[XX]			OTHER:			[ ]

12. 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.

Propose to abandon existing Abo perfs 6233-6245 and test upper zones in the Abo.

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

SIGNATURE Ken W Gosnell TITLE Engr. Tech. DATE 6-1-89

TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II TITLE DATE JUN 5 1989

CONDITIONS OF APPROVAL, IF ANY:

WORKOVER PROCEDURE

DATE: 1-89

WELL NO. & TYPE OF JOB: EAU No. F-361 Abo Recompletion

DRILLED: 2-77 LAST WO: 1988

FIELD: Abo COUNTY: Eddy, NM BY: Joel Talley

TD: 6350 PBD: 6302' DATUM: RKB DIST RKB TO GL: 10

CASING INFORMATION:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	8-5/8"	24#	J-55	756'	275	Surface
INTERMEDIATE:						
PRODUCTION:	5-1/2"	14&15.5#	J-55	6350'	1403	Surface
LINER:						

CASING DETAIL:

PRESENT PERFORATIONS: 6233'-6245' 2 JSPF

PROPOSED PERFORATIONS: 6151'-6160, 6116'-6126', 6068'-6074' & 6002'-6010'

TUBING DATA: SIZE 2-7/8" WT. 6.5 GRADE J-55 THD. 8rd BTMD 6268'
NO. OF JTS. 197 MISC. TAC @ 6175 w/ 16,000# tension

PACKER & MISC.: 194 Jts to TAC

PROCEDURE

1. Notify NMOCD Commission of intention to recomplete the well.

2. Test anchors. MIRUPU. Check well for pressure and bleed off.

3. POH w/ 2-7/8" production tbg. Visually inspect the tbg for workover use.

4. RIH w/ 4.75" GR to PBD @ 6302'. Set CIBP on WL @ 6200'. Load & test csg to 500 psi w/ produced water for 15 minutes. If csg does not hold, RIH w/ pkr and isolate leak for squeeze.

5. Perforate Abo with 2 JSPF f/ 6151'-6160' (correlate with Shlumberger GR-CNL/FDC dated 2-15-77). If well goes on vacuum swab prior to acidizing.

6. RIH w/ treating Pkr and 2-7/8" production tbg, hydro-testing tbg to 4000 psi, to 6160'. Spot 100 gals across perfs and pull packer to 6050'. Reverse 5 bbls water up tbg and set pkr.

7. Pressure annulus to 500 psi and acidize perfs w/ 1500 gals 15% NEFE HCL acid at 1 BPM. Flush to btm perf w/ produced water. Maximum treating pressure is 1000 psi.

8. SI for 30 minutes and record pressure every 10 minutes. Swab and evaluate.

   If zone is productive continue with step 13.
   If zone is not producive continue with step 9.

9. POH w/ tbg & pkr. WL set CIBP @ 6140' & test to 500 psi. Perf Abo f/ 6116'-6126' w/ 2 JSPF. Acidize w/ 1500 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

   If zone is productive continue with step 13.
   If zone is not productive continue with step 10.

10. POH w/ tbg & pkr. WL set CIBP @ 6100' & test to 500 psi. Perf Abo f/ 6068'-6074' w/ 2 JSPF. Acidize w/ 1500 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

    If zone is productive continue with step 13.
    If zone is not productive continue with step 11.

11. POH w/ tbg & pkr. Set CIBP @ 6040' & test to 500 psi. Perf Abo f/ 6002'-6010'. Acidize w/ 1500 gals 15% NEFE HCL and evaluate as in steps 5,6,7 & 8.

    If zone is productive continue with step 13.
    If zone is not productive continue with step 12.

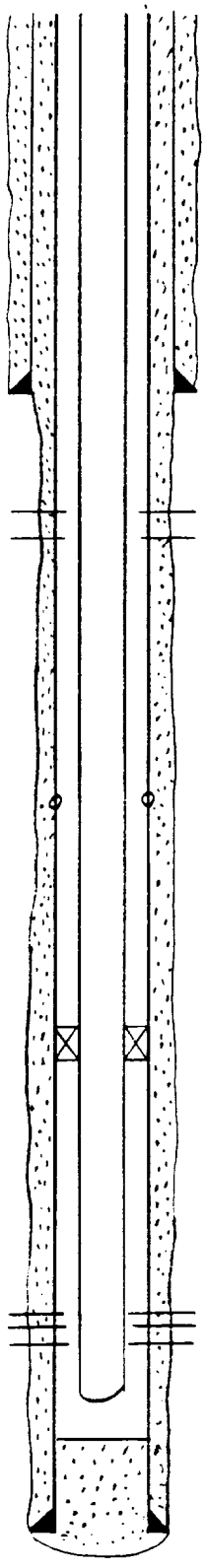
12. POH w tbg & pkr. Set CIBP @ 5794' (Top Abo Reef @ 5794') an WL to TA well pending Engineering Evaluation.

13. POH w/ tbg & pkr. RIH w/ completion assembly as per Production Department specifications. TOTP.

General Purpose Worksheet

Subject: Current Wellbore Diagram | Page No | Of

File: EAU F-361 | By: JOT | Date: 1-89



Drilled 2-77

8 5/8" 24# Csg @ 256'
Cmt'd w/ 275sx TOC @ surface

Perf'd 4 sqz holes @ 350'
sqz'd 2 times
w/ 700sx to sqz channel to surface. (3-77)

DV tool @ 4349'

Top Aco Reef 5794'

TAC @ 6175' w/ 16,000# tension
2 7/8" 6.5# J-55 tbg @ 6268' (194 jts to TAC)

Perfs 6233'-45' w/ 2 JSPF

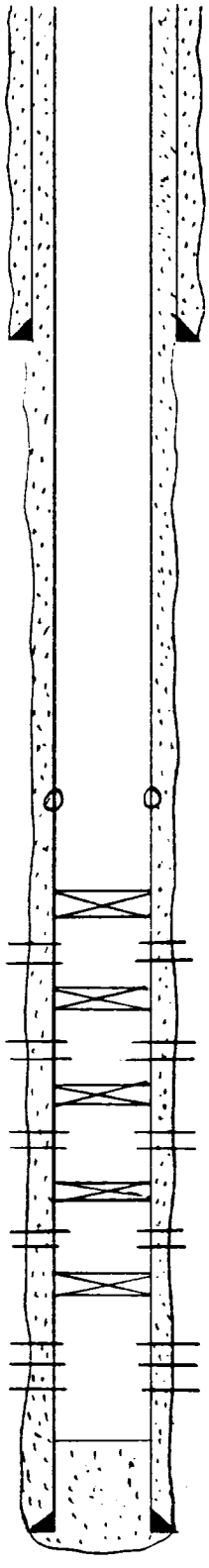
PBD 6302'

5 1/2" 14# & 15.5# J-55 Csg @ 6350'
Circulated mt to surface in 2 stages
w/ 1403 sx

General Purpose Worksheet

Subject Proposed Wellbore Diagram | Page No | Of

File EAU -36 | By JDT | Date 1-89



4th Objective - Perf 2 JSPF 6002' - 6010'
If Plugged Set CIBP @ 5794'
3rd Objective Perf 2 JSPF 6068' - 6074'
If Plugged Set CIBP @ 6040'
2nd Objective Perf 2 JSPF 6116' - 6126'
If Plugged Set CIBP @ 6100'
1st Objective - Perf 2 JSPF 6151' - 6160'
If plugged Set CIBP @ 6140'
CIBP @ 6200'

Perfs 6033' - 6045' w/ 2 JSPF