

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. <u>30-025-01426</u>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <u>B-2229</u>
7. Lease Name or Unit Agreement Name <u>State "F" TG</u>
8. Well No. <u>5</u>
9. Pool name or Wildcat <u>Vacuum</u>
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>4105 GR</u>

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. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Disposal</u>	2. Name of Operator <u>ARCO OIL AND GAS COMPANY</u>
3. Address of Operator <u>P. O. Box 1610, Midland, Texas 79702</u>	4. Well Location Unit Letter <u>A</u> : <u>990</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>36</u> Township <u>17S</u> Range <u>33E</u> NMPM <u>Lea</u> County <u></u>
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>4105 GR</u>	

11. 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <u>Repair Casing</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u></u> <input type="checkbox"/>

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 cement squeeze holes in casing to eliminate pressure on 8 5/8 X 5 1/2 annulus.

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 9-6-90
TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SEP 10 1990

WORKOVER PROCEDURE

DATE: 8/31/90

WELL & JOB: State "F" TG # 5 Repair Casing

DRILLED:

LAST WORKOVER:

FIELD: Vacuum

COUNTY: Lea/NM

BY: GORE

TD: 4682'

PBD: 4682'

DATUM: RKB + 9'

TUBINGHEAD:

SIZE:

PRESS RATING:

CASING:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SET @</u>	<u>SX CMT</u>	<u>TOC</u>
SURFACE:	8-5/8"	24#	K-55	1520'	500	SURFACE
INTER:						
PROD:	5-1/2"	14#	K-55	4564'	400	???

PERFORATIONS: Open hole f/ 4564'-4682'.

TUBING: SIZE: 2-3/8"

WEIGHT: 4.7#

GRADE: J-55

THREAD: EUE

BTM'D @ 4520'

JOINTS: 147

MISC: Rice Duro-lined

PACKER AND MISC: Baker AD - 1 @ 4520'

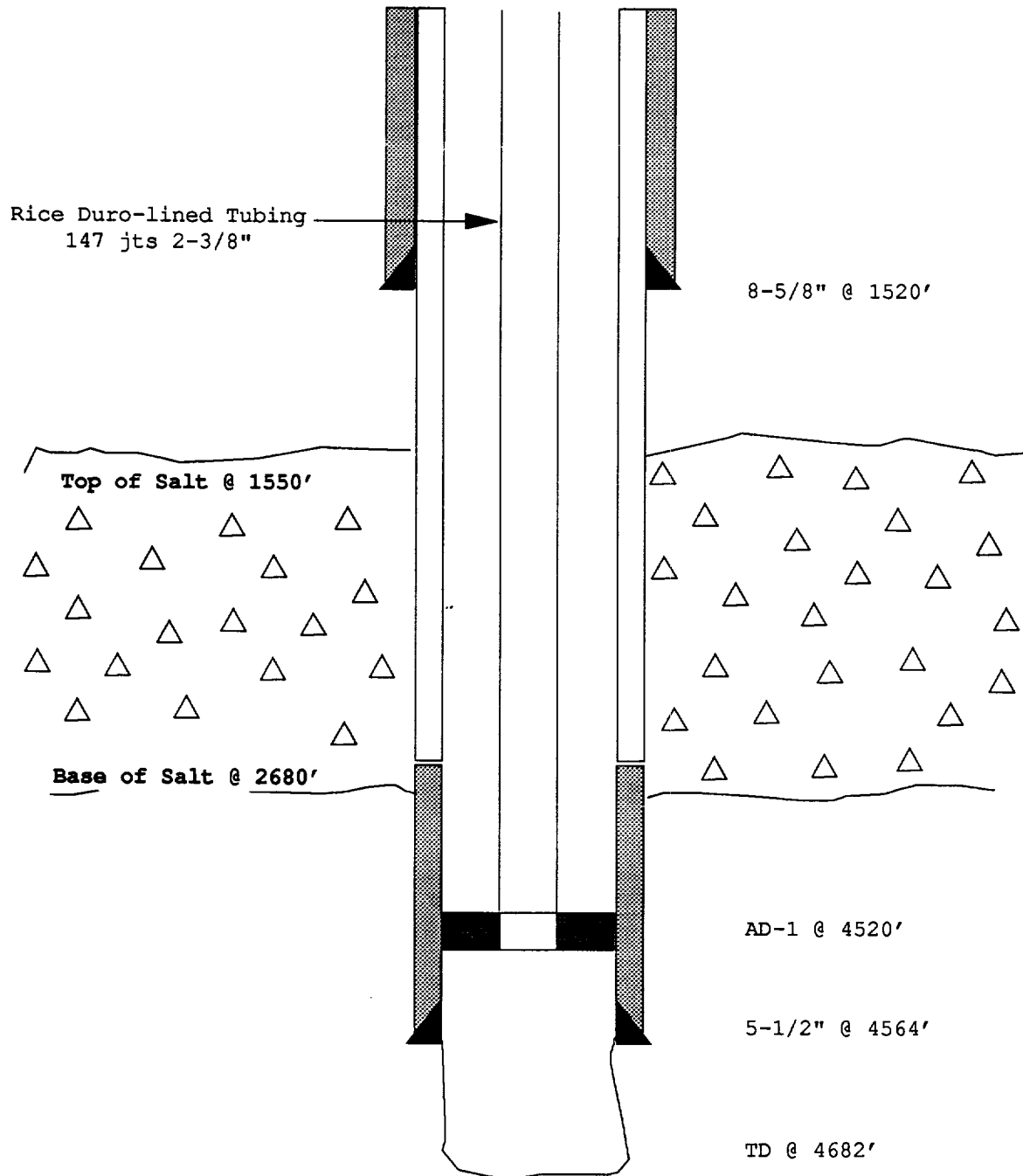
SCOPE OF WORK: Repair casing leak. The 8-5/8" X 5-1/2" annulus has developed pressure. Also the piping from the Bradenhead is plugged and pressure trapped.

PROCEDURE

1. Backflow well to lined pit if required. **Notify Jack Griffin of the NMOCD when operation commences.**
2. Dig out Bradenhead and piping. Determine if piping is plugged and possible trapped pressure.
 - If piping is plugged. Pull CA and run CBL to determine TOC on 5-1/2' casing. Perforate casing (use lubricator) above TOC and determine if pressure is relieved. If pressure is relieved replace all Bradenhead piping w/ XX heavy piping. Go to step 3
 - If piping is not plugged replace all piping w/ XX heavy piping and attempt to establish IR down annulus. (pressure 5-1/2 X 2-3/8" to 1000 psi) Cement annulus as per rates and pressures observed. TOTPS
3. TIH w/ RBP and packer on 2-7/8" workstring and set RBP @ 4500'. Set packer above holes in casing and establish circulation with annulus w/ 10 ppg BW. Determine if mud will be needed to control water flow. If needed displace w/ KWM and then cement 5-1/2" X 8-5/8" annulus w/ Class C neat followed by Class C w/ 2-3% CaCl₂ under CR set 100' above holes.
4. Drill out and test squeeze job to 500 psi.
5. POOH. TIH and recover RBP. POOH and lay down WS.
6. Run CA as before and TOTPS

State "F" TG # 5
990' FNL & 660' FEL
Section 36-T17S-R33E
Lea County, New Mexico
GL Elevation 4105'
RKB Elevation 4114'

Present Wellbore



State "F" TG # 5
990' FNL & 660' FEL
Section 36-T17S-R33E
Lea County, New Mexico
GL Elevation 4105'
RKB Elevation 4114'

Proposed Wellbore

