

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. <b>3001528663</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>L-324-2</b>
7. Lease Name or Unit Agreement Name <b>AVALON (DELAWARE) UNIT</b>
8. Well No. <b>342</b>
9. Pool name or Wildcat <b>AVALON DELAWARE 3715</b>

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG OR ABANDON A DIFFERENT RESERVOIR. USE 'APPLICATION FOR DEED' (FORMC-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>INJECTOR</b>	<b>JAN 21 1997</b>
2. Name of Operator <b>EXXON CORPORATION</b>	<b>OIL CON. DIV. 2</b>
3. Address of Operator <b>ATTN: REGULATORY AFFAIRS P. O. BOX 1600 MIDLAND, TX 79702</b>	<b>DIST. 2</b>
4. Well Location Unit Letter <b>L</b> : <b>1333</b> Feet From The <b>SOUTH</b> Line and <b>1107</b> Feet From The <b>WEST</b> Line Section <b>32</b> Township <b>20S</b> Range <b>28E</b> NMPM <b>EDDY</b> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <b>3205' GR</b>	

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: **RUN STEP RATE TESTS; FRAC.** ☒

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG & ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
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.

**PAGE 1 OF 2 - NOTIFY ARTESIA DIST. OFFICE 24 HRS. BEFORE RUNNING STEP RATE TESTS ON CHERRY CY. & BRUSHY CY. PERFS.**  
**-PULL TBG. & PKR.; SET PKR. @ 2730'; RUN STEP RATE TEST ON BRUSHY CY. (3646'-3678') RUN 15 MIN. STEPS IN 50 BBL. INCREMENTS STARTING @ 300 BPD RATE.**  
**-SET PLUG @ 2730'; RUN STEP RATE TEST ON U. CHERRY CY. (2534'-2687') TEST SAME AS ON BRUSHY CY.**  
**-PULL PLUG & PKR.; SET PKR. @ 2574'; SPOT 3 BBLs. HCL & FRAC. W/ APPROX. 10,500 GAL. + 21,200 #16/30 SD. (2534'-2555')**  
**-PULL PKR.; INSTALL SINGLE STRING OF TUBING W/ SIDE POCKET MANDRELS (SEE ATTACHED DIAGRAM); TEST PKRS. TO 600 PSI., NOTIFY ARTESIA DIST. OFFICE 24 HRS. BEFORE TEST;**

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

SIGNATURE *Alex M. Correa* TITLE **Sr. Regulatory Specialist** DATE **01/20/97**

TYPE OR PRINT NAME **Alex M. Correa** (915) 688-6782 TELEPHONE NO.

(This space for State Use)

APPROVED BY **ORIGINAL SIGNED BY TIM W. GUM** TITLE **DISTRICT II SUPERVISOR** DATE **JAN 22 1997**

CONDITIONS OF APPROVAL, IF ANY:

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.

**3001528663**

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

**L-324-2**

7. Lease Name or Unit Agreement Name

**AVALON (DELAWARE) UNIT**

8. Well No.

**642**

9. Pool name or Wildcat

**AVALON DELAWARE 3715**

### 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"  
(FORMC-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☐

**X OTHER INJECTION**

2. Name of Operator

**EXXON CORPORATION**

3. Address of Operator

**ATTN: REGULATORY AFFAIRS ML#14  
P. O. BOX 1600  
MIDLAND, TX 79702**

4. Well Location

Unit Letter **L** : **1333** Feet From The **SOUTH** Line and **1107** Feet From The **WEST** Line

Section **32** Township **20S** Range **28E** NMPM **EDDY** County

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

**3205' GR**

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: **RUN STEP RATE TESTS; FRAC.** ☒

### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG &  
ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

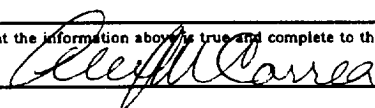
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

**PAGE 2 OF 2.**

**-APPLICATION TO INCREASE INJECTION PRESSURE WILL BE SUBMITTED TO DIV.  
OFFICE BASED ON STEP RATE TEST DATA.**

**-UPON APPROVAL TO INCREASE INJECTION PRESSURE THE FLOW REGULATORS WILL  
BE INSTALLED TO ALLOW INJECTION TO BE CONTROLLED INTO THE CHERRY CY  
AND/OR THE BRUSHY CY.**

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

SIGNATURE  TITLE **Sr. Regulatory Specialist** DATE **01/20/97**

TYPE OR PRINT NAME **Alex M. Correa** (915) 688-6782 TELEPHONE NO.

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

# WELLBORE SKETCH AND WELL HISTORY

#642

ELEV.: KB: 3218' 13" ABOVE GL

Lease & Well Name: ADU 2420

Field: Avalon Delaware Unit

Location:

Eddy County, New Mexico

Date: 2/8/96 By: T.J. Wheeler

Hole Size 14-3/4"  
TOC: Surface

10-3/4" @ 636'

CMT 225 Sx  
Circ 169

Hole Size 9-7/8"

TOC: Surf  
7-5/8" @ 2447'

CMT 1147 Sx  
Circ 42

8 Topout Jobs (747 sx) to  
Cement Intermediate Casing

Hole Size 6-3/4"  
TOC: 2248' (CIRC)

Pore	
<u>Upper Cherry Canyon</u>	
2534-55	
2582-96	(1 SPF)
2608-37	0 Degree
2668-87	
<u>Middle Brushy Canyon</u>	
3646-3678	(1 SPF)
	0 Degree

4-1/2" Liner @ 3848'

CMT 300 Sx  
Circ Full Returns

PBTD: 3770' (Proposed)

## Casing Record

### Surface Casing

OD	WT/Pt	Grade	Length
10-3/4"	40.5#	K-55	636'

### Intermediate Casing

OD	WT/Pt	Grade	Length
7-5/8"	26.4#	K-55	2447'

### Production Liner

OD	WT/Pt	Grade	Length
4-1/2"	5.34#	FGS	2248-3848

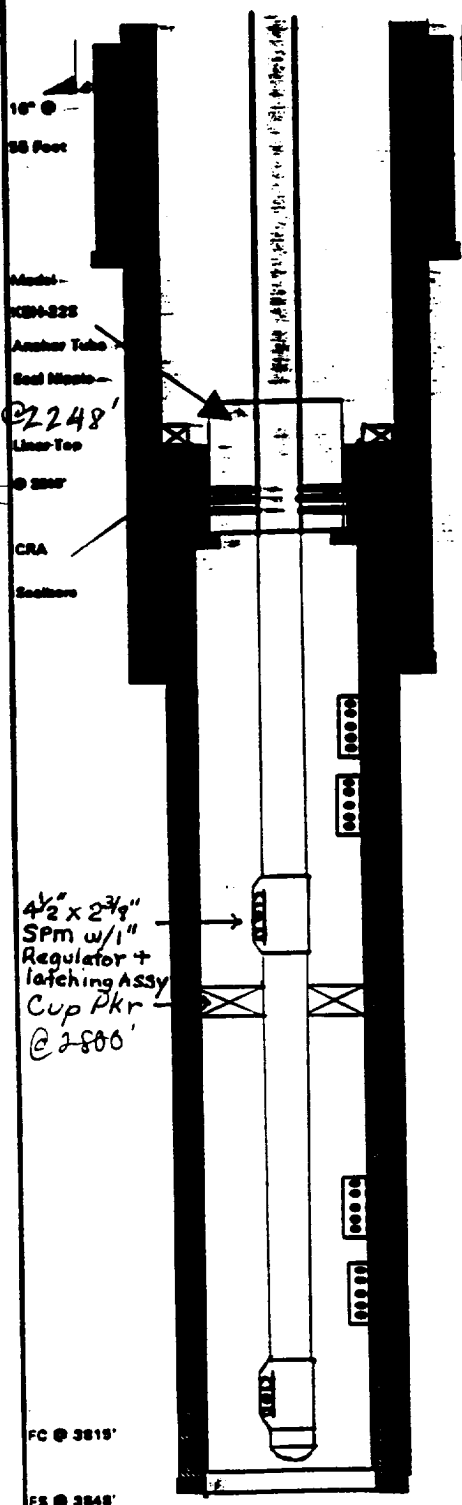
### Tubing

Type: 2-3/8" PE Lined Tubing

## WELL HISTORY

Nov-95 D&C well

*Proposed Single String Design  
with side pocket mandrels and  
flow regulators.*



### MARKER JOINTS

2819-2830

3508-3822

TD: 3848'