

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



Mesquite SWD  
RECEIVED OCD 1-6-1968

ABOVE THIS LINE FOR DIVISION USE ONLY

Cedar Lake 35 Com #1  
30-015-26969

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☒ Offset Operators, Leaseholders or Surface Owner
- [C] ☒ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Kay Havenor

*Kay C Havenor*

Agent

3/8/2011

Print or Type Name

Signature

Title

Date

KHavenor@georesources.com  
e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Mesquite SWD, Inc.  
ADDRESS: P.O. Box 1479, Carlsbad, NM 88221  
CONTACT PARTY: Kay Havenor PHONE: 575-626-4518
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Kay Havenor TITLE: Agent
- SIGNATURE: Kay C Havenor DATE: March 7, 2011
- E-MAIL ADDRESS: KHavenor@georesources.com
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: Mesquite SWD, Inc.WELL NAME & NUMBER: Cedar Lake 35 Federal Com No. 1 30-015-26969WELL LOCATION: 1240 FNL & 1980 FEL B 35 17S 30E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17½" Casing Size: 13⅞" 54.5# J-55 @ 626'Cemented with: 52.5 sx. or ft<sup>3</sup>

See attached diagram

Top of Cement: Surface Method Determined: Circ w/1"Intermediate CasingHole Size: 11" Casing Size: 8⅝" 32# S-80-J-55Cemented with: 2200 sx. or ft<sup>3</sup>Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 7⅞" Casing Size: 5 ½" S-95 L-80 LTCCemented with: 1230 sx+745 sx or ft<sup>3</sup>  
1020 sx.Top of Cement: 8487' Method Determined: "tagged"Total Depth: 12500' TVD 12500'Injection Interval8210' feet To 8975'(Perforated or Open Hole; indicate which) Perforated

INJECTION WELL DATA SHEET

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" J-55 (or 2-7/8") Lining Material: IPC-1850 coated

Type of Packer: Lok-Set

Packer Setting Depth: Approx 8160 ft

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Oil/gas

2. Name of the Injection Formation: Wolfcamp

3. Name of Field or Pool (if applicable): Cedar Hill Marrow, Loco Hills Atoka

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Yes. Morrow perfs 11129' to 11188', 10984-10994, Atoka 10571-10578'. Plugging details listed below in Item VI (a).

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Grayburg-Jackson 7-Rivers, Queen, Grayburg, San Andres and Loco Hills Glorieta-Yeso above 6000', Loco Hills Atoka and Cedar Lake Morrow below 10,500'

**Jones, William V., EMNRD**

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**From:** Kay Havenor [khavenor@georesources.com]  
**Sent:** Tuesday, May 03, 2011 8:33 AM  
**To:** Jones, William V., EMNRD  
**Subject:** Re: Disposal application from Mesquite SWD Inc.: Cedar Lake 35 Fed Com #1  
30-015-26969 Wolfcamp 8210 to 8975  
**Attachments:** Re-entry plot-2 Cedar Lake-35.pdf; Re-entry plot-2 Cedar Lake-35.tif

Will,

Attached is an update re-entry diagram of the subject well. It includes the previously missed plug at the bottom of the proposed injection interval. Thank you for pointing it out. The diagram is in both a PDF format and as a TIF file. I trust this will work.

Kay

At 03:45 PM 4/30/2011, you wrote:

Hello Dr. Havenor:

Please send another "post conversion" wellbore diagram on this well showing an internal plug set approx 200 feet below the disposal interval – or as the BLM requires.

Please send notice, or obtain a waiver from, Three Rivers as operator of a deep well in SE/4 of Section 26. The application reports that M-P of Sec 26 is Asher, but the well file on this deep well indicate that ownership may be common from 4000 feet to base of Morrow. If your research shows otherwise, let me know.

Thanks for this.

William V Jones, P.E.

Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462



Kay C. Havenor, Ph.D., PG. CPG  
GeoScience Technologies  
904 Moore Ave  
Roswell, NM 88201-1144  
(575) 626-4518

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

### Plug and Abandon Diagram

API: 3001526969  
Operator: EOG Resources, Inc.  
Lease: Cedar Lake 35 Federal Com  
Location: Sec 35, T17S-R30E Lea Co., NM  
Footage: 1240 FNL, 1980 FEL

Well No: 1

KB: 3565  
GL: 3548

#### Surface Csg

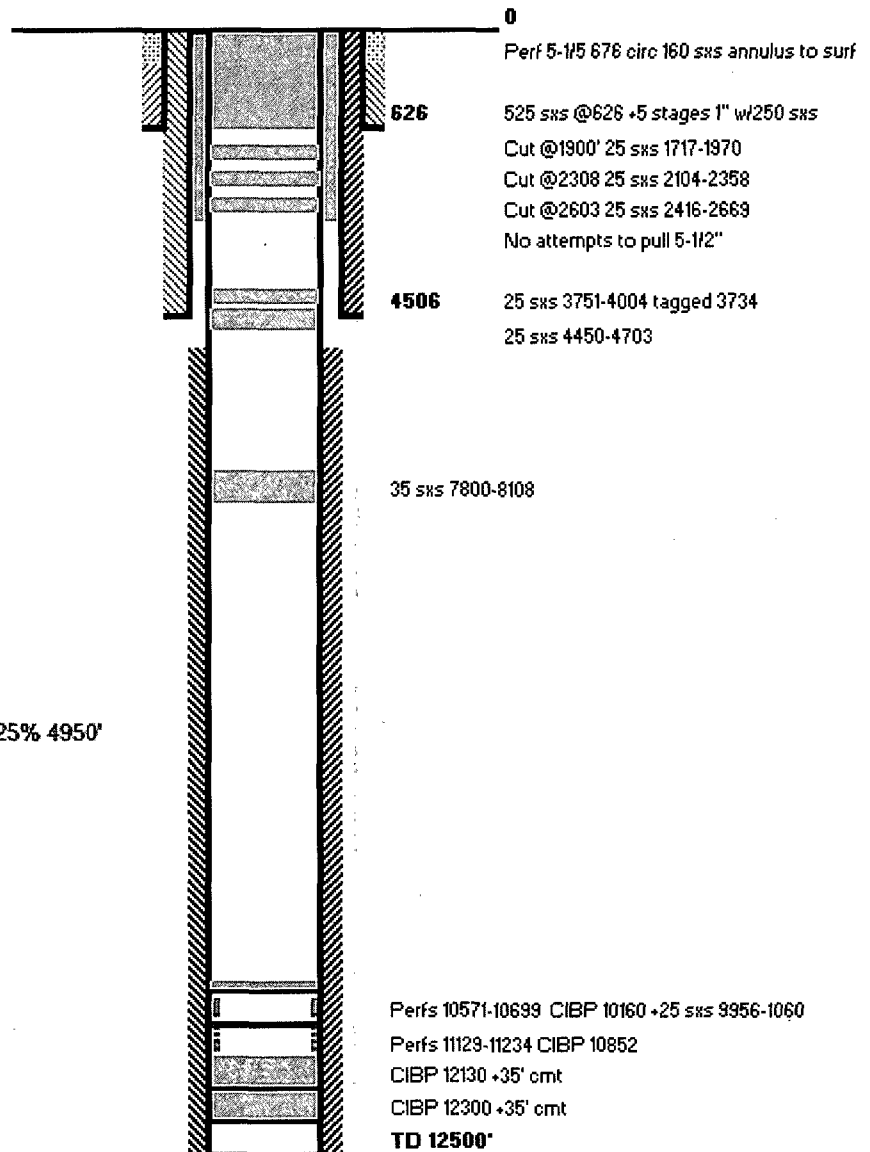
Size: 13-3/8" 54.5# S-80,J-55  
Set @: 626  
Sxs cmt: 525  
Circ: 1" w/250 sxs in 5 stages  
TOC: Surface  
Hole Size: 17-1/2"

#### Intermediate Csg

Size: 8-5/8" 32# S-30,J-55  
Set @: 4510  
Sxs cmt: 1250  
Circ: 300 sxs surface  
TOC: Surface  
Hole Size: 8-5/8"

#### Production Csg

Size: 5-1/2" 15.5, 17# S-95,L-80  
Set @: 12500  
Sxs cmt: 2231  
Circ: No  
TOC: Circ @ DV 8487, calc TOC 9" hole +25% 4950'  
Hole Size: 7-7/8"  
PBTD 12095



Not to Scale

Note: No attempts were made to pull 5-1/2" when P&A cuts were made.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse** **RECEIVED**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other  
2. Name of Operator  
EOG Resources Inc  
3a. Address  
P.O. Box 2267, Midland, TX, 79702  
3b. Phone No. (include area code)  
(432) 686-3608  
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit Letter B, 1240 FNL & 1980 FEL  
Section 35, Township 17-S, Range 30-E

5. Lease Serial No.  
NM-0384576  
6. If Indian, Allottee or Tribe Name  
7. If Unit or CA/Agreement, Name and/or No.  
Cedar Lake "35" Fed Com  
8. Well Name and No.  
1  
9. API Well No.  
30-015-26969  
10. Field and Pool, or Exploratory Area  
Loco Hills, Atoka  
11. County or Parish, State  
Eddy, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. Notify BLM 24 hrs prior to MI & RU.
2. Set 5 1/2" CIBP at 10160.
3. CIRC hole clean w/mud laden fluid, spot 25sx Class "H" cmt from 10160-9956.
4. Spot 35sx Class "H" cmt, plug from 8108-7800 (Bone Springs).
5. Spot 25sx Class "C" cmt from 4703-4450 (San Andres).
6. Spot 25sx Class "C" cmt from 4004-3751 (8 5/8" Shoe) WOC Tag at 3734.
7. Cut 5 1/2" csg at 2603 (not pull), spot 25sx from 2669-2416.
8. Cut 5 1/2" csg at 2308 (not pull), spot 25sx cmt from 2358-2104.
9. Cut 5 1/2" csg at 1900 (not pull), spot 25sx cmt from 1970-1717.
10. Notified Jim Amos with NM BLM to perf well.
11. Perf at 676 (13 3/8" Shoe).
12. CIRC 160sx cmt down 5 1/2" up through 8 5/8" annulus to Surf.
13. Install dry hole marker. Clean location. P&A complete 4-16-04.

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Jimmy Bagley

Title Field Supervisor

Signature

Date 4-16-04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER MAY 03 2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on reverse)



## Proposed Re-entry and Completion

API: 3001526969  
 Operator: Mesquite SWD, Inc  
 Lease: Cedar Lake 35 Federal Com  
 Location: Sec 35, T17S-R30E Lea Co., NM  
 Footage: 1240 FNL, 1980 FEL

Well No: 1

KB: 3565  
 GL: 3548

### Surface Csg

Size: 3-3/8" 54.5# S-80, J-55  
 Set @: 626  
 Sxs cmt: 525  
 Circ: w/250 sxs in 5 stages  
 TOC: Surface  
 Hole Size: 17-1/2"

### Intermediate Csg

Size: 8-5/8" 32# S-30, J-55  
 Set @: 4510  
 Sxs cmt: 1250  
 Circ: 300 sxs surface  
 TOC: Surface  
 Hole Size: 8-5/8"

### Production Csg

Size: 1-1/2" 15.5, 17# S-95, L-80  
 Set @: 12500  
 Sxs cmt: 2231  
 Circ: No  
 TOC: Circ @ DV 8487, calc TOC 9" hole +25% 4950'  
 Hole Size: 7-7/8"  
 PBDT: 12095

### Tubular requirements (made-up):

8160' 3-1/2" N80 9.3# upset IPC 1810 coated

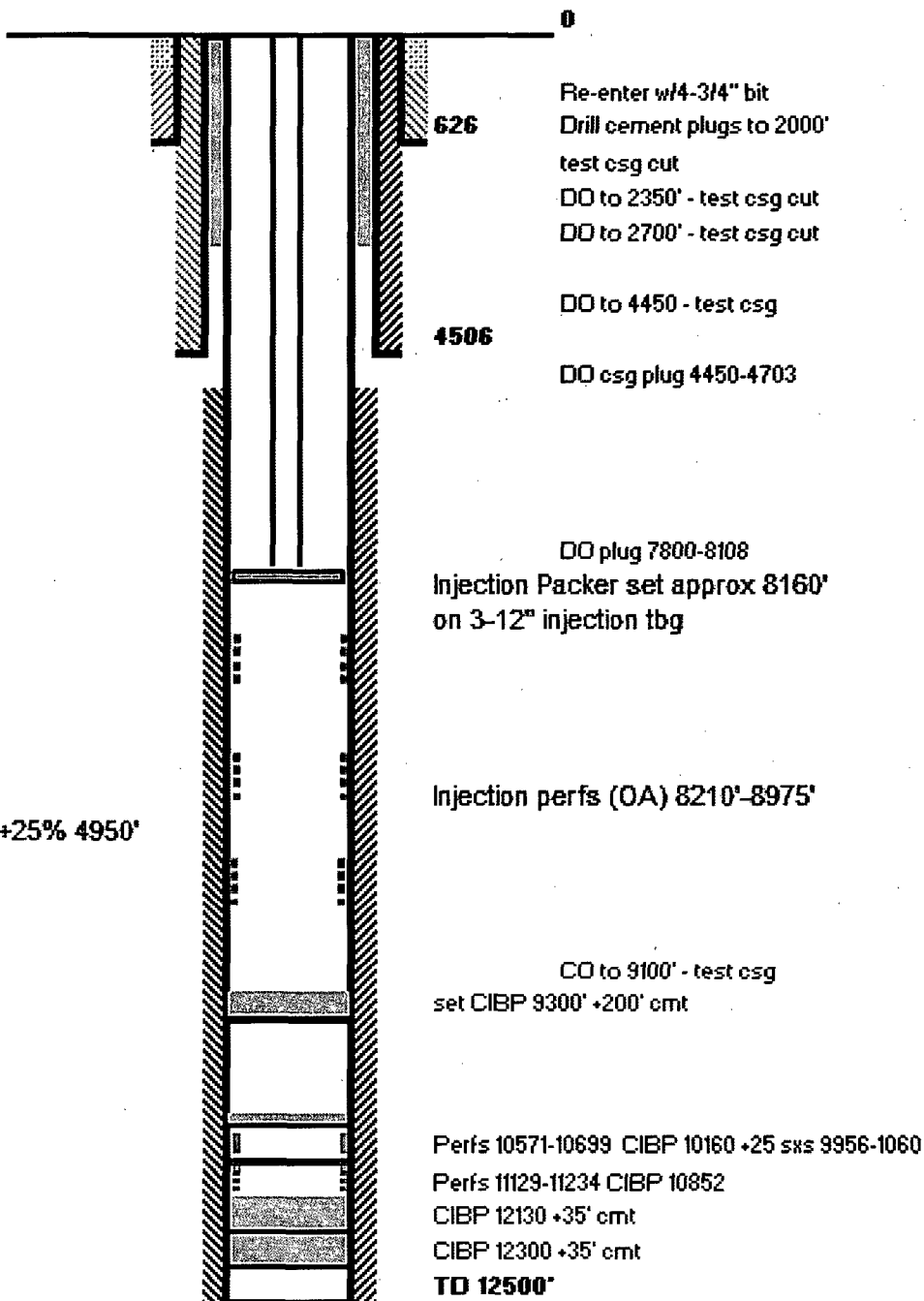
Note: 2-7/8" may be substituted

Lok-Set Packer set approx 8160

Perf and acidized selectively

Load tubing annulus w/corrosion inhibitor

Complete surface head for disposal



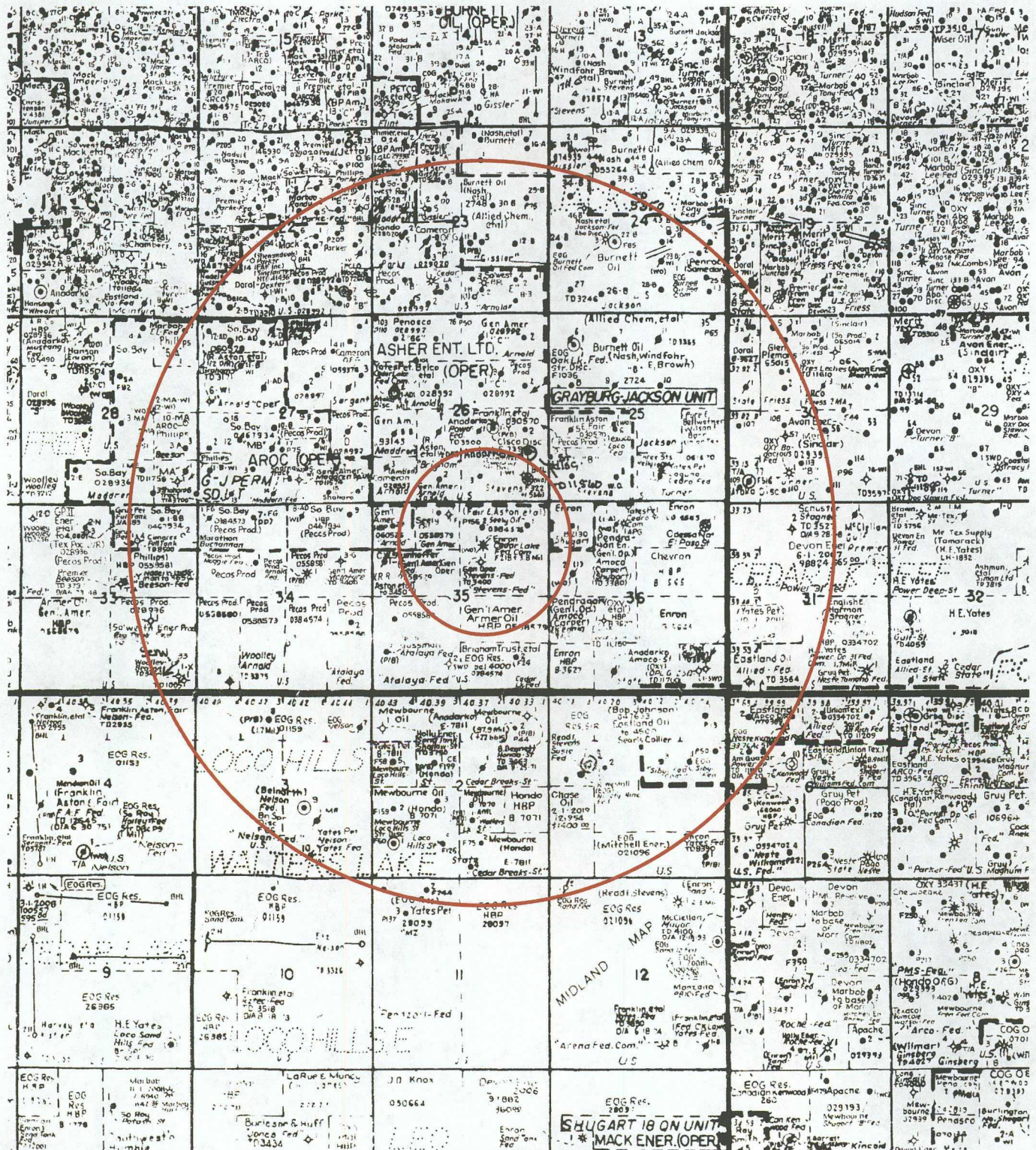
Not to Scale



**Item V:**

## Area of Review

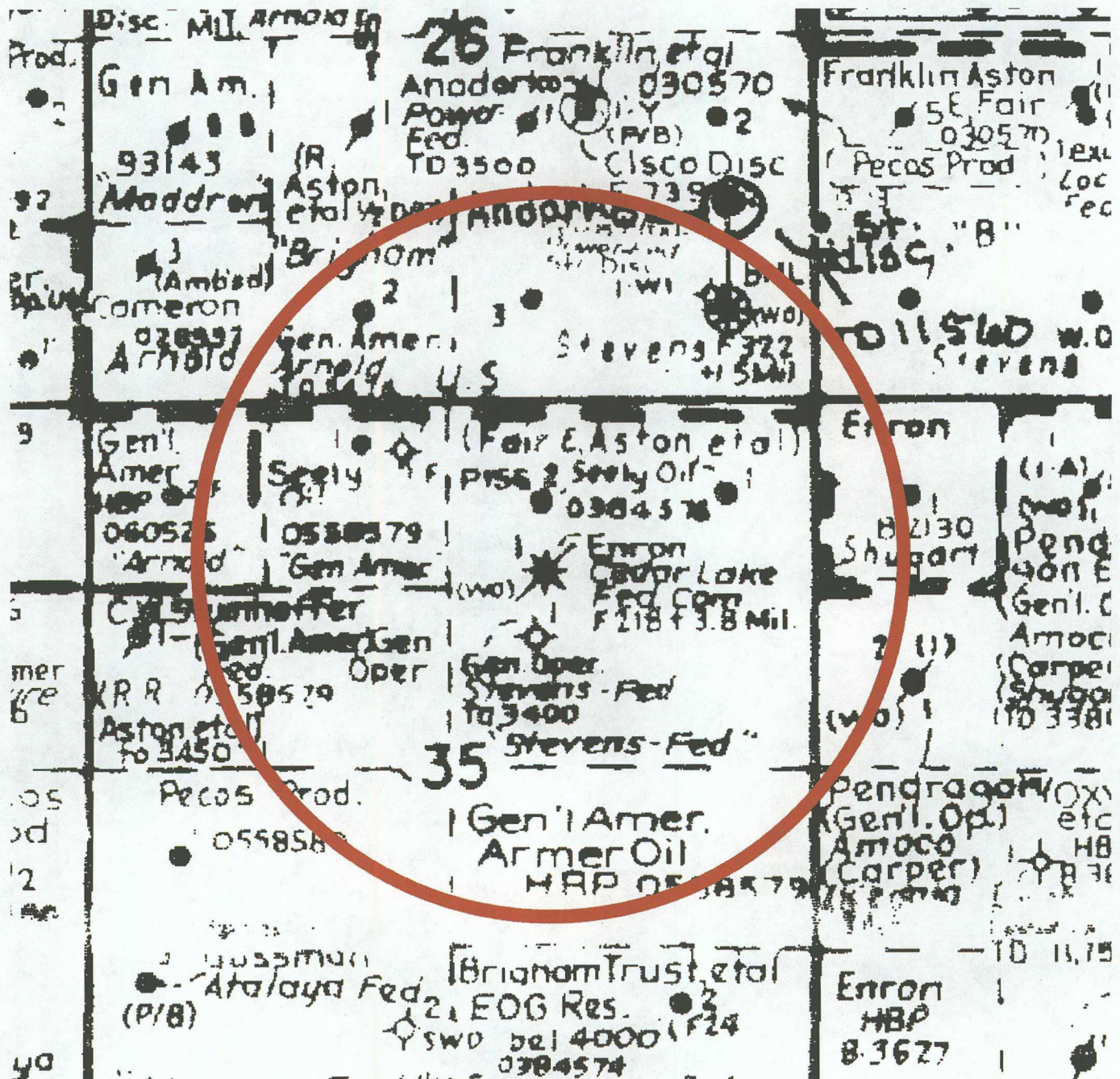
## 1/2 Mile AOR and 2 Mile Radius





API 30-015-26969

Area of Review  
1/2 Mile AOR



Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item VI(b):** All known wells in the AOR and their status. Wells that penetrate the proposed injection interval are labeled in yellow.

API	WELL_NAME	MPL_STA	SEC	TOWN	RANGE	G	NS	S	DTG	EW	UL	OPERATOR	LAND	WELL	PLUG_DATE	SPUD_DATE	ELEVGL	VD_DEPTH
3001504323	GRAYBURG JACKSON UNIT 007	Active	25	17.0S	30E	660	S	660	W	M		ASHER ENTERPRISES LTD.	F	O		Pre-Aug 1949	3542	3305
3001504335	GRAYBURG JACKSON UNIT 001	Plugged	26	17.0S	30E	990	S	330	W	M		PENDRAGON ENERGY	F	I	13-Feb-01	22-Nov-41	3591	3290
3001520020	GRAYBURG JACKSON UNIT	Active	26	17.0S	30E	660	S	1980	W	N		ASHER ENTERPRISES LTD.	F	O		27-Mar-67	3580	3350
3001504340	GRAYBURG JACKSON UNIT 003	Plugged	26	17.0S	30E	660	S	1980	E	O		PENDRAGON ENERGY	F	O	02-Mar-01	6-Jun-43	3543	3545
3001504341	GRAYBURG JACKSON UNIT 004	Plugged	26	17.0S	30E	660	S	660	E	P		ASHER ENTERPRISES LTD.	F	I	06-Feb-08	Jun-44	3535	3303
3001527508	POWER FEDERAL 002	Active	26	17.0S	30E	1400	S	660	E			THREE RIVERS OPERATING	F	O		17-Sep-93	3544	11560
3001521270	STEVENS FEDERAL 001	Plugged	35	17.0S	30E	660	N	660	E	A		SEELY OIL CO	F	O	21-Oct-09	25-Jun-74	3548	3400
3001521309	STEVENS FEDERAL 002	Plugged	35	17.0S	30E	660	N	1980	E	B		SEELY OIL CO	F	O	29-Dec-09	16-Aug-74	3544	3375
3001526969	CEDAR LAKE 35 FEDERAL COM	Plugged	35	17.0S	30E	1240	N	1980	E	B		EOG RESOURCES INC	F	G	16-Apr-04	29-Mar-92	3548	12500
3001504449	ARNOLD F 001	Plugged	35	17.0S	30E	330	N	2310	W	C		ARMER OIL CO		O	21-May-73	18-Apr-59	3593	3474
3001520862	GENERAL AMERICAN FEDERAL	Plugged	35	17.0S	30E	330	N	1980	W	C		SEELY OIL CO	F	O	20-Nov-09	21-May-73	3579	3550
3001504450	G-J PRMR SD UT TR AF 002	Plugged	35	17.0S	30E	660	N	660	W	D		GENERAL AMERICAN OIL		O	30-Sep-75	14-Oct-73	3587	3437
3001521062	FEDERAL 001	Plugged	35	17.0S	30E	1650	N	330	W	E		PHILLIPS PETROLEUM CO	F	O	04-May-95	31-Dec-73	3580	3400
3001521225	STEVENS FED 001	Plugged	35	17.0S	30E	1650	N	1980	E	G		GENERAL OPERATING CO	F	O	29-May-74	23-May-74	3535	3400
3001504452	GRAYBURG JACKSON UNIT 001R	Active	36	17.0S	30E	660	N	660	W	D		ASHER ENTERPRISES LTD.	S	O		25-Jun-43	3568	3334
3001504451	AMOCO STATE 002	Plugged	36	17.0S	30E	1980	N	660	W	E		PENDRAGON ENERGY	S	O	02-Feb-01	27-Aug-43	3605	3400

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item VI:** Data on wells in AOR that penetrate the proposed injection interval:

All Known Wells in AOR Penetrating Proposed Injection Interval

API	WELL NAME	STATUS	UNIT	SEC	TOWNS	RANGE	NS	EW	OPERATOR	LAND	SPUD DATE	PLUG DATE	ELEV-GL	TVD DEPTH	Highest Perf
1	3001526969 Cedar Lake 35 Fed Com #1	P&A	B	35	17S	30E	1240-N	1980-E	EOG Resources Inc	BLM	3/29/1992	4/16/2004	3548	12500	11205
2	3001527508 Power Federal #2	Active	P	26	17S	30E	617-S	453-E	Three Rivers Operating Co. LLC	BLM	9/17/1993		3544	11600	10416

3001526969 Target re-entry

**Item VI(a):** Construction of wells in the AOR that penetrate into the proposed injection interval:

- 3001526969 EOG Resources, Inc. Cedar Lake 35 Federal Com #1. OCD Unit B, Sec. 35, T17S-30E 1240' FNL & 1980' FEL. Spud 3/29/1992. 13-3/8" 54.5# J-55 @626' w/525 sxs cmt. 250 sxs in 5 stages w/1" circ 20 sxs to surface. 8-5/8" 32# S-80 & J-55 @4,506' w/2200 sxs cmt, circ 120 sxs. TD 12,500'. 5-1/2" SS-95 & L-80 to 12,500. 1230 sxs circ to DV tool @ 8,487' plus 745 sxs (TOC NR). Perf Fussleman 12,374-12,556. CIBP 12,300' +35' cmt. Perf Devonian 12,160'-12,210'. CIBP 12,130' +35' cmt. Perf Morrow (OA) 11,188'-10,967', acidized 7500 gal. Perf 10,571'-10,699'. CIBP 10,160 +25 sxs cmt 10-160'-9,956'. 35 sx plug 8,108'-7,800' (Bone Springs). 25 sxs 4,703'-4,450' (San Andres). 25 sxs 3,751'-4,004' (8-5/8" shoe) tagged @3,734'. No attempts to pull 5-1/2" csg on following cuts: 2,603' 25s 2,416-2,669'; cut 2,308' 25 sxs 2,104-2,358'; cut 1,900' 25 sxs 1,717'-1,970'; Perf @676' (13-38" shoe) circulated 160 sxs cmt down 5-1/12" up through 8-5/8" annulus to surface. P&A 4/16/2004 approved BLM 5/8/2004.
- 3001527508 Three Rivers Operating Co. LLC, Power Federal Com #2. Bottom hole TD OCD Unit P, Sec. 26-T17S-R30E, BHL 617' FSL & 453' FEL. TVD 11,417'. Elev 3544' GL. Spud 9/17/1993. 13-3/8" 48# H-40 @518' w/450 sxs circulated. 9-5/8" 36# K-55 @3305' w/1500 sxs circulated. 4-1/2" 11.6# S-95 @11551 KB w/1830 sxs, calc TOC 1750'. TD 11,417'- TVD Perf Morrow 11,373-11,396'. Acid 4285 gal. CIBP 11351' + 35' cmt. Perf Strawn 10,504'-10,516' TVD. CIBP 10,600'. DO CIBP 10,600'. Perf Strawn Is 10,489'-10,502' acid 2,000 gal 15% HCL., Frac w/4500 gal 15% gel. Tubing 2-3/8" w/ pkr @10,399'. Strawn gas/oil.

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

### WELL COMPLETION DIAGRAM

API: 3001527508  
Operator: Three Rivers Operating Company, LLC  
Lease: Power Federal Com  
Location: Sec 26, T17S-R30 Eddy Co., NM  
Footage: 617' FSL & 453' FEL BHL

Well No: 2

KB: 3566  
GL: 3544  
Spud date: September 17, 1993  
Plugged date :  
MSL of TD: -7994

#### Surface Csg

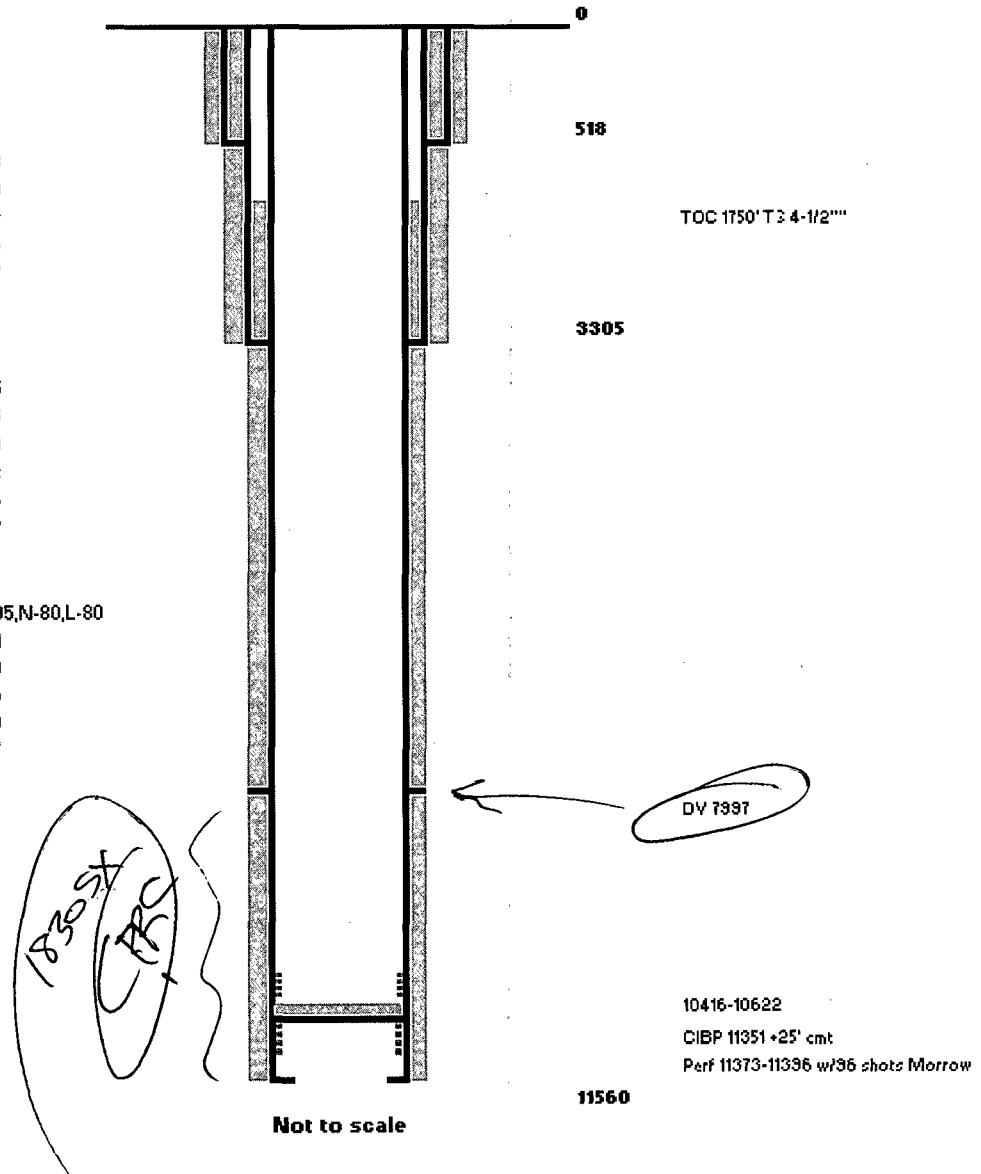
Size: 13-3/8" 48# H-40  
Set @: 518  
Sxs cmt: 450  
Circ: Yes  
TOC: Surface  
Hole Size: 17-1/2"

#### Intermediate Csg

Size: 9-5/8" 40# J-55  
Set @: 3305  
Sxs cmt: 1500  
Circ: Yes  
TOC: Surface  
Hole Size: 12-1/4"

#### Production Csg

Size: 4-1/2" 11.6# CF95,N-80,L-80  
Set @: 11551  
Sxs cmt: 1830  
Circ: No  
TOC: 1750  
Hole Size: 7-7/8"





7. TIH with 279 jts of 4½" 11.6# S-95 R-3 csg with float shoe and float collar, DV tool and 15 centralizers. Set float shoe at 11,551' KB set, set float collar at 11,509' KB and set DV tool at 7997' KB. Ran centralizers on middle of 1st jt, on 4th jt, 7, 10, 21, 24, 27, 37, 40, 84, 86, 159, 190, 194 and 2nd jt down from surface. Ruff coated pipe 4 jts 11,422' - 11,254', 6 jts 10,667' - 10,415', and 2 jts 10,004' - 9919'.
8. RU Halliburton and pumped 23.8 bbls Super Flush 102 and cemented 1st stage with 475 sx Lead cement. (Halliburton Lite Premium with ¼#/sx Flocele, 4/10 of 1½ Halad 322). Tailed in with 245 sx Premium cement with 3/10 CFR-3, 5/10 Halad 22A and 4# KCL/sx. Plug down at 11:40 p.m., 10-31-93. Held OK. Dropped bomb and opened DV tool with 900# PSI. Started circ thru DV tool for 6 hrs. Circ 215 sx cement to pit. 2nd stage cementing - pumped 910 sx Halliburton Lite Premium with ¼# Flocele and 4/10 of 1½ Halad 322. Tailed in with 200 sx Premium Heat cement. Plug down at 7:20 a.m., 11-01-93. Held OK. Did not circ cement.
9. Ran Temp Survey. Found cement top at 1750' from surface. Nippled down. Set 4½" csg slips. Cut off 4½" csg and released rig at 9:00 p.m., NM, 11-01-93

AOR  
Well

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item VII:**

1. The maximum injected volume anticipated is 15,000 BWPD. Average anticipated is 10,000 BWPD.
2. Injection will be through a closed system.
3. Maximum injection pressure is expected to be 1,642 psi.
4. Sources will be produced water. These will be compatible with waters in the disposal zone.
5. Water sample analysis from the Enervest Operating, LLC Cedar Lake ADI Federal #1, Sec. 24, T17S-R30E, Eddy Co., NM, API 30-015-25494, Loco Hills Atoka. (Source: NM WAIDS):

# NM WAIDS



## Water Samples for Well CEDAR LAKE ADI FEDERAL 001

API = 3001525494

Formation = ATOKA

Field = LOCO HILLS

### Current Water Production Information

**Instructions:**

- Click For general information about this sample.
- Click For scale calculation pages (Stiff-Davis or Oddo Tomson methods).
- Click To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table.
- Click **664** Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples
- The ions are in (mg/L) units.

	SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
<input type="checkbox"/>	5959											
		17S	30E	26	2	35784	null	451		null	null	3640 342



Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item VIII:**

The Wolfcamp carbonates in this area are believed to have been diagenetically dolomitized. Such carbonate alteration often results in enhanced porosity. Testing, in Nadel and Gussman Permian, LLC Atalaya Federal No. 1, Item VI(a), well 2, confirmed water in those carbonates. The Wolfcamp formation is overlain and underlain by bounding shales and carbonates of the Abo and Cisco, respectively, that essentially prevent vertical migration of formation or disposal waters.



*New Mexico Office of the State Engineer*  
**Wells with Well Log Information**

No wells found.

Basin/County Search:

Basin: Capital

UTMNA CBS Radius Search (in meters):

Easting (X): 592260

Northing (Y): 3628800

Radius: 3300

The data is furnished by the NMOSE/EO and is accepted by the recipient with the expressed understanding that the OSE/EO make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/8/11 3:31 PM

Page 1 of 1

WELLS WITH WELL LOG INFORMATION

The surface geology of the greater area, including the 2-mile radius as shown in Item V above, is Quaternary eolian and piedmont deposits of Holocene to middle Pleistocene age. These are underlain by the Permian Rustler Formation and some evaporites. The top of the Yates Formation of the Artesia Group is at 1,500'. 8-5/8" csg set @4,506' has cement circulated to the surface.

**Item IX:**

Acidize perforations in the Wolfcamp between 8,210' and 8,975' in 5-1/2" casing with approximately 20,000 gal of 20% HCl.

**Item X:**

Logs are on file with the OCD.

**Item XI:**

No water wells are reported the 2-mile area. Please not Item VIII above.

**Item XII:**

There is no geological evidence of open faults nor hydrologic connection between the disposal zone and any possible underground sources of protectable water.



Mesquite SWD, Inc.

Cedar Lake 35 Federal Com No. 1

1240' FNL & 1980' FEL

Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

### SPOT10 Satellite and Matching Topographic Map



Directions to location: From Loco Hills intersection of CR-217 and US-82 proceed east 1.7 miles, continue south for 1.4 miles, bear SE for 0.6 miles, turn east for 0.15 miles to location access road on left (north). Location pad is 650 ft north on the east side of the access road.



Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item XIII:**

**Surface and Minerals Owner:**

Bureau of Land Management  
c/o Carlsbad Field Office  
620 E. Greene Street  
Carlsbad, NM 88220

**Operators:**

Asher Enterprises LTD, Co.  
12808 Lorien Way  
Oklahoma City, OK 73170

Enervest Operating, LLC  
1001 Fannin St. Ste. 800  
Houston, TX 77002

EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79701

Nadel and Gussman Permian, LLC  
601 N. Marienfeld, Ste. 508  
Midland, TX 79701

**BLM Surface Lessee**

Williams & Son Cattle Co.  
P.O. Box 30  
Maljamar, NM 88264

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item XIII:**

Legal Publication

**Affidavit of Publication**

NO. 21584

STATE OF NEW MEXICO

County of Eddy:

Walter L. Green *Walter L. Green*

being duly sworn, says that he is the Publisher  
of the Artesia Daily Press, a daily newspaper of general  
circulation, published in English at Artesia, said county  
and state, and that the hereto attached

**Legal Notice**

was published in a regular and entire issue of the said  
Artesia Daily Press, a daily newspaper duly qualified  
for that purpose within the meaning of Chapter 167 of  
the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/days on the same  
day as follows:

First Publication March 9, 2011

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

9th day of March 2011



**OFFICIAL SEAL**  
**Danny Scott**  
**NOTARY PUBLIC-STATE OF NEW MEXICO**

My commission expires: 3/18/2014

*Danny Scott*  
\_\_\_\_\_  
Danny Scott  
Notary Public, Eddy County, New Mexico

**Copy of Publication:**

**LEGAL NOTICE**

Mesquite SWD, Inc., c/o Kay Havenor, 904 Moore Ave, Roswell, NM 88201-1144, (575) 626-4518, is seeking approval from the New Mexico Oil Conservation Division to re-enter the EOG Resources, Inc., Cedar Lake 35 Federal Com No. 1 well API: 30-015-26969, located 1240 feet from the north line and 1980 feet from the east line of Section 35 T17S, R30E, Eddy County, NM, 3.2 miles southeast of Loco Hills intersection of CR-217 and US-82, and complete for commercial produced water disposal as the Mesquite SWD, Inc. Cedar Lake 35 Federal Com No. 1. The proposed disposal interval is the Wolfcamp Formation through casing perforations approximately 8,210 feet to 8,975 feet (OA). Mesquite SWD, Inc. plans to dispose of a maximum of 10,000 BWPD with a maximum pressure of 1,642 psi. Parties with questions regarding this proposal can contact Kay Havenor at the address or phone number above. Interested parties must file objections or requests for hearing within 15 days of publication to the Oil Conservation Division: 1220 S. St. Francis Dr., Santa Fe, NM 87505. Published in the Artesia Daily Press, Artesia, N.M., March 9, 2011. Legal No. 21584.

Mesquite SWD, Inc. 161968  
P.O. Box 1479  
Carlsbad, NM 88221

Contact party: Kay Havenor 575-626-4518  
KHavenor@georesources.com

### C-108 Ancillary Data

1. API: 30-015-26969
- 2.. Original Lease Name: Cedar Lake 35 Federal Com #1 New name used here: No
3. Legal publication lay distance description: "3.2 miles southeast of Loco Hills intersection of CR-217 and US-82"
4. AOR data: All wells are shown in summary and detail in **Item VI**: Data on unplugged wells in AOR that penetrate proposed disposal zone:
  1. 3001527508 Three Rivers Operating Co. LLC, Power Federal Com #2. Bottom hole TD OCD Unit P, Sec. 26-T17S-R30E, BHL 617' FSL & 453' FEL. TVD 11,417'. Elev 3544' GL. Spud 9/17/1993. 13-3/8" 48# H-40 @518' w/450 sxs circulated. 9-5/8" 36# K-55 @3305' w/1500 sxs circulated. 4-1/2" 11.6# S-95 @11551 KB w/1830 sxs, calc TOC 1750'. TD 11,417'- TVD Perf Morrow 11,373-11,396'. Acid 4285 gal. CIBP 11351' + 35' cmt. Perf Strawn 10,504'-10,516' TVD. CIBP 10,600'. DO CIBP 10,600'. Perf Strawn ls 10,489'-10,502' acid 2,000 gal 15% HCl., Frac w/4500 gal 15% gel. Tubing 2-3/8" w/ pkr @10,399'. Strawn gas/oil.
5. AOR well count as shown in **Item VI (b)**: 16 (3 shallower active, 1 deep P&A, 1 deep active, 11 shallower P&A).
6. P&A wells in AOR count: 12 (including target re-entry P&A 4/16/2004 - rest all shallower).
7. List of formation tops applicable to AOR: Yates 1500, 7-Rivers 1875, Queen 2532, San Andres (EOG) 3368, Wolfcamp 8172, Strawn 10,208, Atoka 10,402, lower Morrow (EOG) 11,103, Chester 11,438, Miss lime 11,551, Woodford 12,083, Devonian 12,147.
8. Producing or non-P&A wells in proposed disposal AOR: Wells that penetrates proposed disposal interval:

3001527508 Three Rivers Operating Co. LLC, Power Federal Com #2. Bottom hole TD OCD Unit P, Sec. 26-T17S-R30E, BHL 617' FSL & 453' FEL. TVD 11,417'.
9. Is proposed SWD in a depleted zone/well? No.
10. Why is proposed interval non-productive? No production from this interval in greater area.  
Logs indicate porous zones water wet.
11. Notification and related acreage is shown in **Item XIII**:

M-P Sec. 26 Asher Enterprises LTD, Co.  
M -Sec. 25 Enervest Operating, LLC, Asher Enterprises LTD, Co.  
A-L Sec. 35 Nadel & Gussman Permian, LLC, EOG Resources, Inc.  
D-E Sec 36 Enervest Operating, LLC, Asher Enterprises LTD, Co.
12. Surface owner, as shown in Item XIII, is: BLM Lessee Williams & Son - has been notified.
13. Rule 5.9 status of applicant: Financial status in compliance. Inactive wells include: 1 inactive
- 14: Location of well as to Potash or other sensitive areas: Not within R-111-P

Sec 26

LEASEHOLD INTEREST

- (1) S/2 NE/4 - - - - - 81.25% Anadarko Petroleum Corporation  
18.75% Weller Energy, Inc.
- (2) N/2 NE/4 - - - - - 100% Phillips Petroleum Co.
- (3) SE/4 - - - - - 16.67% Fair Oil LTD  
25.00% Anadarko Petroleum Corporation  
25.00% Phillips Petroleum Corporation  
25.00% Read & Stevens, Inc.  
8.33% Richard L. Ray

OIL & GAS LEASES AND OIL & GAS RIGHTS SUBJECT TO THIS AGREEMENT

<u>Lease #</u>	<u>Ownership</u>	<u>Mineral Interest</u>
LC 028992 a - - - - S/2 NE/4, Sec. 26	USA - - - -	100%
LC 028992 c - - - - N/2 NE/4, Sec. 26	USA - - - -	100%
LC 030570 b - - - - SE/4	USA - - - -	100%

Date of Operational Agreement - - - April 30, 1993

Depth & Formation Restrictions - - - the limited horizons between 4000'  
and the base of the Morrow formation.

Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

Item XIII:

Certified Mail Receipts

U.S. Postal Service  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

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Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$2.30
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.49

03/09/2011

Sent To: Asher Enterprises, LTD  
Street, Apt. No., or PO Box No.: 12808 Lorien Way  
City, State, ZIP+4: Oklahoma City, OK 73170

PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.49

03/09/2011

Sent To: EOG Resources, Inc.  
Street, Apt. No., or PO Box No.: P.O. Box 2267  
City, State, ZIP+4: Midland, TX 79702

PS Form 3800, August 2006 See Reverse for Instructions

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Total Postage & Fees	\$ 6.49

03/09/2011

Sent To: Madel and Gussman Permian LLC  
Street, Apt. No., or PO Box No.: 601 N. Marienfeld, Ste. 508  
City, State, ZIP+4: Midland, TX 79701

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03/09/2011

Sent To: Enervest Operating, LLC  
Street, Apt. No., or PO Box No.: 1001 Fannin St. Ste. 800  
City, State, ZIP+4: Houston, TX 77002

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Total Postage & Fees	\$ 6.49

03/09/2011

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Street, Apt. No., or PO Box No.: 620 E. Greene St.  
City, State, ZIP+4: Carlsbad, NM 88220

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Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$2.30
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.49

03/09/2011

Sent To: Williams & Son Cattle Co.  
Street, Apt. No., or PO Box No.: P.O. Box 30  
City, State, ZIP+4: Maljamar, NM 88264

PS Form 3800, August 2006 See Reverse for Instructions

**Jones, William V., EMNRD**

---

**From:** Kay Havenor [khavenor@georesources.com]  
**Sent:** Tuesday, May 03, 2011 2:02 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Cert Mail 3001526969  
**Attachments:** Cert mail p-2 Cedar Lake-35.pdf; Cert mail p-2 Cedar Lake-35.tif

Will,

May I respectfully request you add the attached page to the end of the Cedar Lake C-108. Thank you for pointing-out my lack of notification to Three Rivers Operating.

Kay

Kay C. Havenor, Ph.D., PG. CPG  
GeoScience Technologies  
904 Moore Ave  
Roswell, NM 88201-1144  
(575) 626-4518



Mesquite SWD, Inc.  
Cedar Lake 35 Federal Com No. 1  
1240' FNL & 1980' FEL  
Sec. 35, T17S-R30E Eddy County, NM

API 30-015-26969

**Item XIII:**

Certified Mail Receipts (page 2).

7010 0740 0002 2613 4348

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Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.63	

Sent to  
Three Rivers Operating Co. LLC  
Street Apt No.  
or PO Box No. 1122 S. Capital Tex Hwy325  
City, State, ZIP+4 Austin, TX 78745

PS Form 3800, August 2006 See Reverse for Instructions

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Saturday, April 30, 2011 3:46 PM  
**To:** 'Kay Havenor'  
**Cc:** Ezeanyim, Richard, EMNRD; 'Wesley\_Ingram@blm.gov'  
**Subject:** Disposal application from Mesquite SWD Inc.: Cedar Lake 35 Fed Com #1 30-015-26969  
Wolfcamp 8210 to 8975

Hello Dr. Havenor:

Please send another "post conversion" wellbore diagram on this well showing an internal plug set approx 200 feet below the disposal interval – or as the BLM requires. ✓

Please send notice, or obtain a waiver from, Three Rivers as operator of a deep well in SE/4 of Section 26. The application reports that M-P of Sec 26 is Asher, but the well file on this deep well indicate that ownership may be common from 4000 feet to base of Morrow. If your research shows otherwise, let me know. (Done May 3)

Thanks for this.

William V Jones, P.E.  
Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462



**Jones, William V., EMNRD**

---

**From:** Jim Keisling [jkeisling@3rnr.com]  
**Sent:** Thursday, May 19, 2011 5:57 AM  
**To:** Jones, William V., EMNRD  
**Cc:** KHavenor@georesources.com  
**Subject:** Cedar Lake 35 Federal Com #1

Three Rivers has no objections to the proposed salt water disposal.

**James D. (Jim) Keisling, PE**

VP Engineering

**Three Rivers Operating Company LLC**

1122 S. Capital of Texas Hwy

Suite 325

Austin, TX 78746

512-600-3182 office

713-898-2511 cell

[jkeisling@3rnr.com](mailto:jkeisling@3rnr.com)

# Injection Permit Checklist (11/15/2010)

WFX \_\_\_\_\_ PMX \_\_\_\_\_ SWD 1274 Permit Date 5/4/11 UIC Qtr (M/A/M)

# Wells 1 Well Name(s): Cedar Lake 35 Fed com #1

API Num: 30-015-26969 Spud Date: 3/29/92 New/Old: N (UIC primacy March 7, 1982)

Footages 1240 FIVL/1980 FEL Unit B Sec 35 Tsp 17S Rge 30E County EDDY

General Location: 2.4 mi S. of loco Hills

Operator: M & QUITE SWD, INC Contact Key Hansen

OGRID: \_\_\_\_\_ RULE 5.9 Compliance (Wells) Y (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed Y Current Status: P2 A old Monn/ATOKA well

Planned Work to Well: \_\_\_\_\_

Diagrams: Before Conversion Y After Conversion Y Elogs in Imaging File: yes

Well Details:		Sizes	Setting	Stage	Cement	Determination
		Hole.....Pipe	Depths	Tool	Sx or Cf	Method
New ___ Existing <u>Y</u>	Surface	17 1/2 13 1/8	621	—	325 + 200	CIRC
New ___ Existing <u>Y</u>	Interm	11 8 5/8	4506'	—	1950 + 250	CIRC
New ___ Existing <u>Y</u>	LongSt	7 7/8 5 1/2	12,500' 8 1/8	50 + 240 940 + 125 + 260	CIRC / 2200 PSI	1057 CIRC 8487 internal
New ___ Existing ___	Liner					
New ___ Existing ___	OpenHole					

Depths/Formations: Depths, Ft. Formation Tops?

Formation(s) Above	8172	WC	✓
Injection TOP:	8210	WC	Max. PSI 1642 OpenHole Perfs ✓
Injection BOTTOM:	8975	WC	Tubing Size 3 1/2" 218 Packer Depth 8160
Formation(s) Below	9736	Psm	✓

Capitan Reef? (Potash?) Noticed? (WIPP?) Noticed? Salado Top/Bot Cliff House?

Fresh Water: Depths: \_\_\_\_\_ Formation \_\_\_\_\_ Wells? NONE Analysis? \_\_\_\_\_ Affirmative Statement Y

Disposal Fluid Analysis? Sources: Commercial

Disposal Interval: Analysis? Production Potential/Testing: \_\_\_\_\_

Notice: Newspaper Date 3/9/11 Surface Owner BLM/Wichita Mineral Owner(s) \_\_\_\_\_

RULE 26.7(A) Affected Persons: ASHar / Enwood / EOG / NEG

AOR: Maps? Y Well List? \_\_\_\_\_ Producing in Interval? No Wellbore Diagrams? Y

.....Active Wells | Repairs? Which Wells? \_\_\_\_\_

.....P&A Wells 0 Repairs? Which Wells? \_\_\_\_\_

Issues: CHK internal cement top Set internal PLUG ~ 200' below Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_