

ABOVE THIS LINE FOR DIVISION USE ONLY

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



**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 \_\_\_\_\_

- SWD  
 - Ray Westall operating  
 119305  
 well  
 - Cedar Lake ADI  
 Federal  
 30-015-25494

Pool  
 - SWD, waterflood -  
 CISCO  
 96136  
 2014 SEP 25 P 1:34  
 RECEIVED OGD

- [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.

Ben Stone		Agent for Ray Westall Operating, Inc. 9/24/14	
Print or Type Name	Signature	Title	Date
		ben@sosconsulting.us	
		e-mail Address	



September 24, 2014

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Attn: Ms. Jami Bailey, Director

*Re: Application of Ray Westall Operating, Inc. to permit for salt water disposal in its Cedar Lake 'ADI' Federal No.1 well located in Section 26, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico.*

Dear Ms. Bailey,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to convert for disposal, the Cedar Lake 'ADI' Federal Well No.1.

Ray Westall Operating seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the August 27, 2014 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included in this application package. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on BLM land and minerals and a copy of this application has been submitted to the Bureau of Land Management, Carlsbad Field Office.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

A handwritten signature in black ink, appearing to read 'Ben Stone', is written over a white background.

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application attachment and file

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: **Salt Water Disposal** and the application *qualifies* for administrative approval.
- II. OPERATOR: **Ray Westall Operating, Inc.**  
ADDRESS: **P.O. Box 4, Loco Hills, NM 88255**  
  
CONTACT PARTY: **Donnie Mathews (575) 677-2372**  
**Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850**
- III. WELL DATA: **All well data and applicable wellbore diagrams are attached hereto.**
- IV. **This is not an expansion of an existing project.**
- V. **A map is attached** 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. **A tabulation is attached** of data on all wells of public record within the area of review which penetrate the proposed injection zone. **(1 AOR well penetrates the subject interval - 1 P&A.)** The data includes a description of each well's type, construction, date drilled, location, depth, and a **schematic of any plugged well** illustrating all plugging detail.
- VII: **The following data is attached** 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. **Appropriate geologic data on the injection zone is attached** 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. **No stimulation program is proposed at this time.**
- \*X. **There is no applicable test data on the well however, any previous well logs (2 well logs available via OCD Online) have been filed with the Division and they need not be resubmitted.**
- \*XI. **State Engineer's records indicates there are NO water wells within one mile the proposed salt water disposal well.**
- XII. **An affirmative statement is attached that available geologic and engineering data has been examined and no evidence was found** of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. **"Proof of Notice" section on the next page of this form has been completed.**  
**There are 19 offset lessees and/or operators plus BLM minerals within one mile - all have been noticed.**
- 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: **Ben Stone** TITLE: **SOS Consulting, LLC agent / consultant for Ray Westall Operating, Inc.**  
SIGNATURE:  DATE: **9/23/2014**  
E-MAIL ADDRESS: **ben@sosconsulting.us**
- \* 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 – ***The following information and data is included:***

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 ***pursuant to the following criteria is attached.***

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.

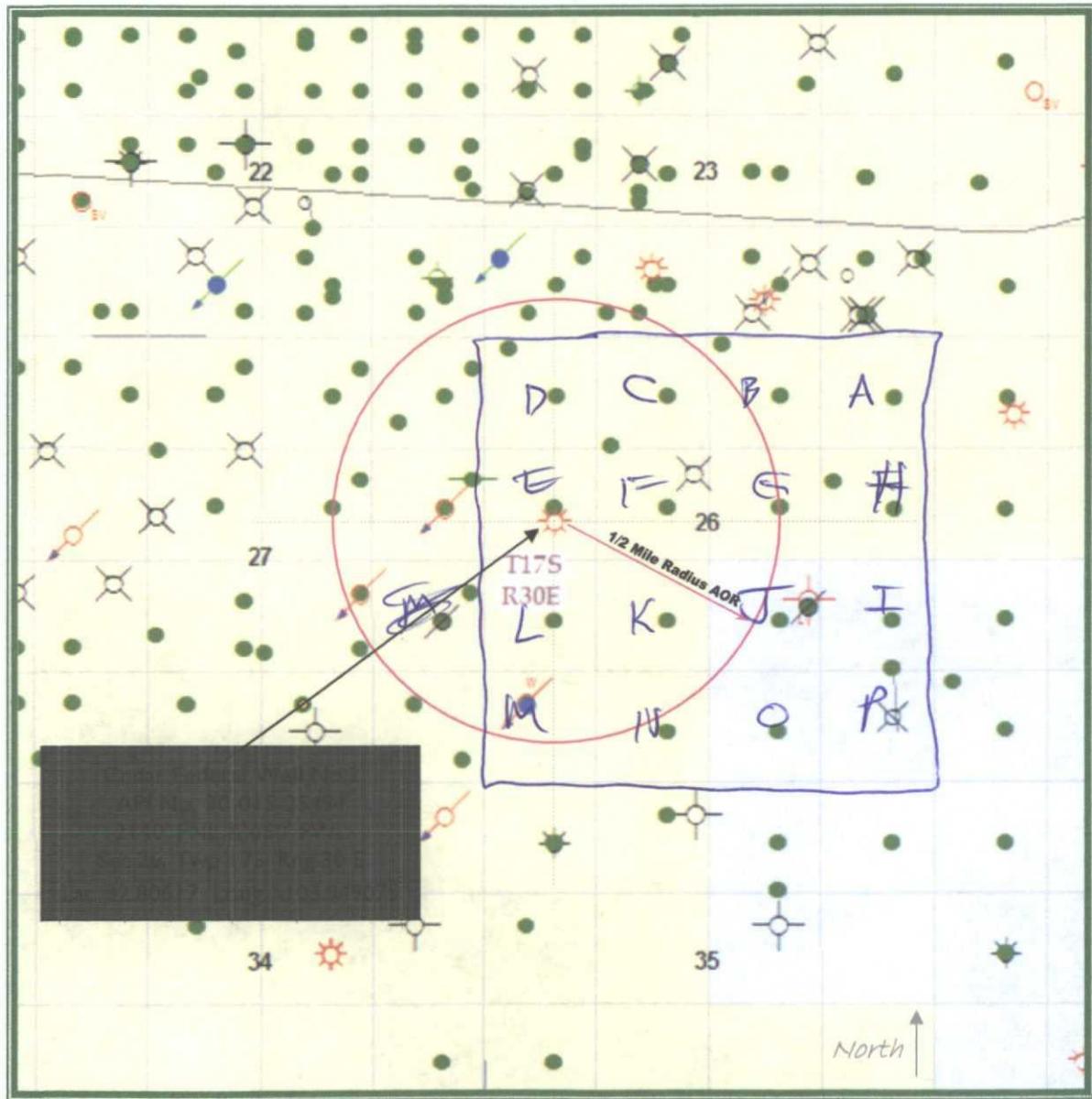
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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.

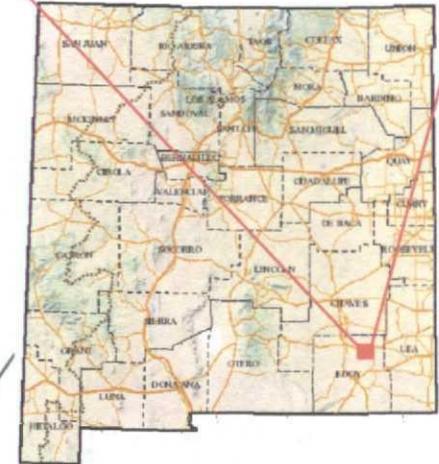
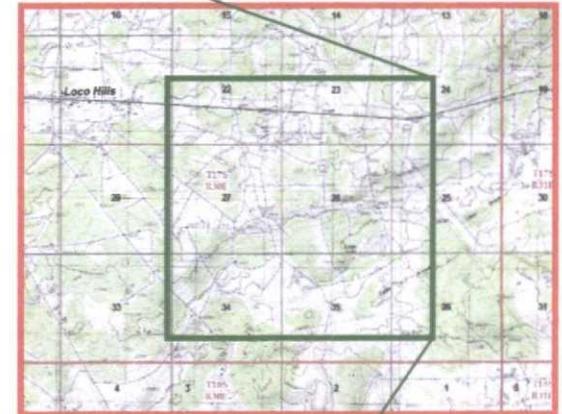
**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

# Cedar Lake 'ADI' Federal Com Well No.1 - Area of Review / Overview Map

(Attachment to NMOCD Form C-108 - Item V)



~2.7 miles Southeast  
of Loco Hills, NM



Eddy County, New Mexico



**RAY WESTALL OPERATING, INC.**





**WELL SCHEMATIC - PROPOSED**  
**Cedar Lake 'ADI' Federal Well No.1 SWD**

API 30-015-25494

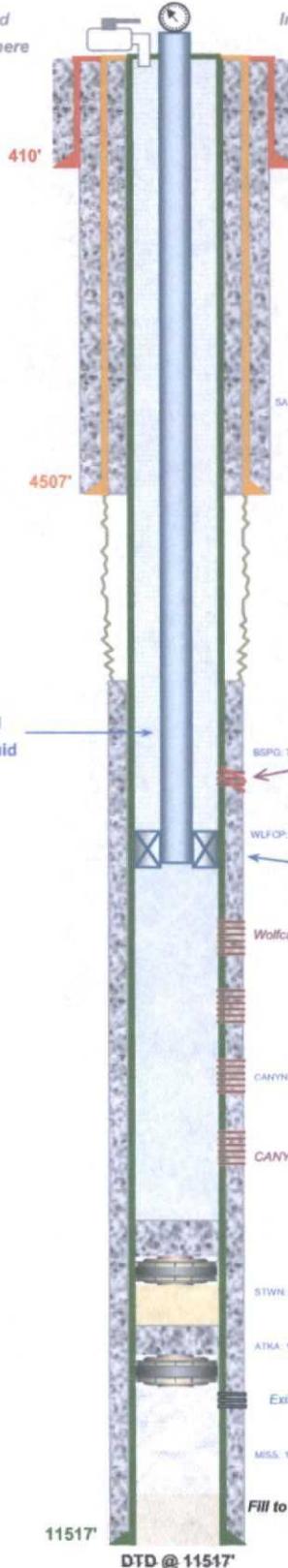
2140' FNL & 660' FWL, SEC. 26-T17S-R30E  
 EDDY COUNTY, NEW MEXICO

P&A Date: 8/16/2013

Re-Entry Date: 11/01/2014

Annulus Monitored  
 or open to atmosphere

Injection Pressure Regulated  
 and Volumes Reported  
 1583 psi Surface Max



**Surface Casing**

13.375", 55.0# Csg. (17.5" Hole) @ 410'  
 650 sx - Circulated to Surface

**Intermediate Casing**

8.625", 32.0# csg. (11.0" Hole) @ 4507'  
 2200 sx - Circulated 32 sx to Surface

**RAY WESTALL OPERATING, INC.**

- Convert to SWD: D/O & C/O Existing Plugs.
- Set CIBP @ 10200' w/ 35' Cmt Cap.
- Perforate Specific Intervals TBD.
- Run PC Tubing and PKR - Conduct MIT.
- Commence Disposal Operations.

Annulus Loaded  
 w/ Inert Packer Fluid

BS Perfs: Sqz'd 7622'-44' During P&A

BSPO: 7645'

WLFOP: 7795'

2.875" IC Tubing  
 PKR ~7820'

Wolfcamp Perfs: 7916' Uppermost Perf

Specific Perf Intervals To Be Determined

CANYN 9620'

CANYON Perfs: 10114' Lowermost Perf

Set CIBP @ 10200' w/ 35' Cmt

Existing CIBP @ 10650'  
 Capped w/ 40' Cmt.

**Production Casing**

5.5", 17.0 & 20.0# Csg (7.875" Hole) @ 11517'  
 1200 sxs Cls H - TOC @ 7060' by Calc.

Existing Perfs: 10673'-81'

MISS. 10930'

Fill to 11333'

11517'

DTD @ 11517'



Drawn by: Ben Stone, 9/14/2014

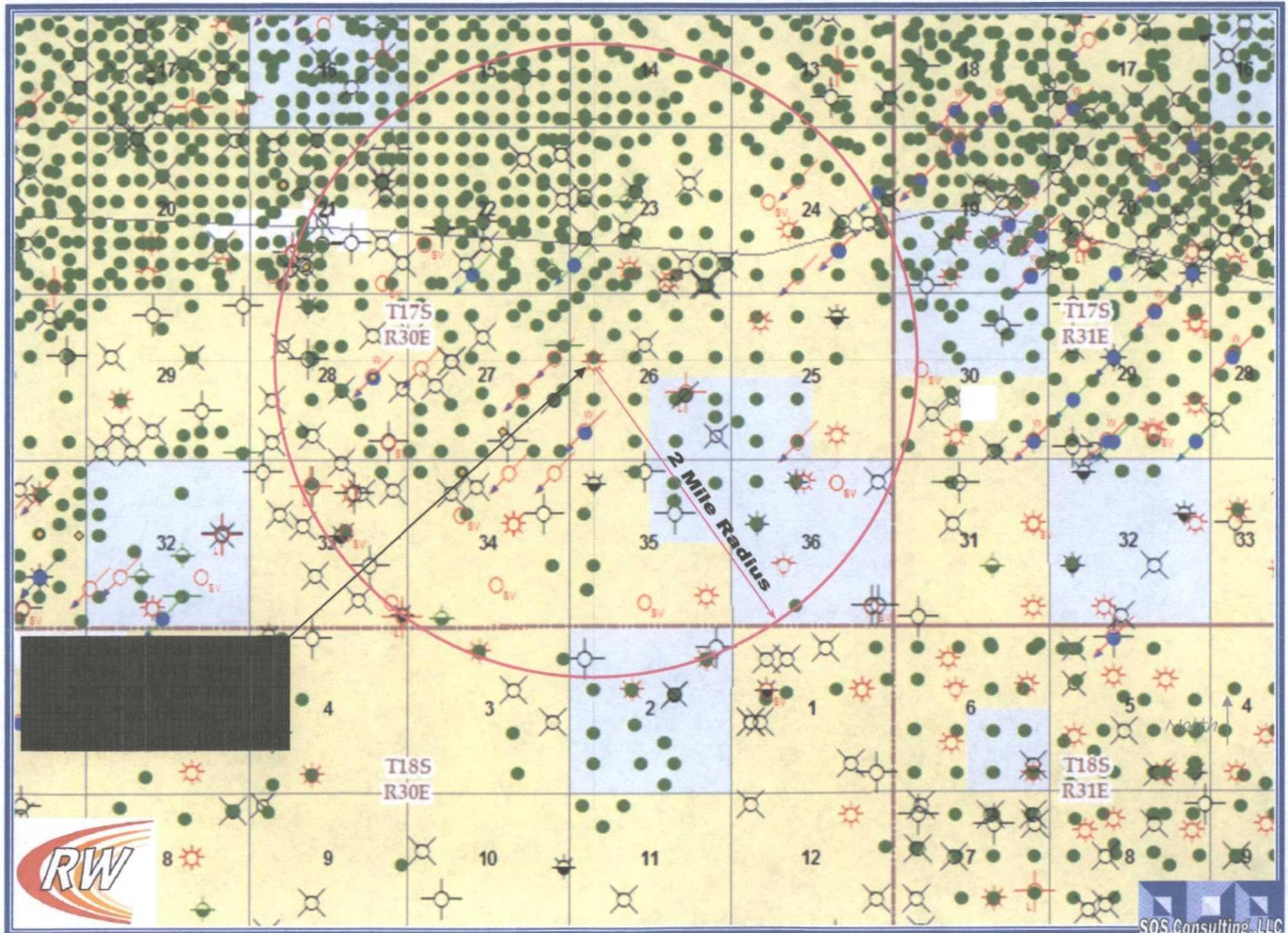
## **C-108 ITEM VI – AOR WELL INFORMATION**

1 Well penetrates the proposed injection/disposal interval. It is P&A'd.

### **Plugged Well Schematics**

# Cedar Lake ADI Federal Well No.1 - Area of Review / 2 Miles

(Attachment to NMOCD Form C-108 - Item V)



Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed WOLFCAMP Interval 7916'

Wells that PENETRATE  
Proposed Injection Zone.

Subject Well

30-015-25494	[119305] RAY WESTALL OPERATING, INC.*	CEDAR LAKE ADI FEDERAL	#001	Gas	Federal	Active	E	26-17S-30E	0
18.875" (17.5" hole) @ 410' w/ 650 sx - circ.; 8.625" (11.0" hole) @ 4507' w/ 2200 sx - circ.; 5.5" (7.875" hole) to 11,500' w/ 1200 sx - TOC @ 7060'; D/O to 10,200'; Config. SWD; SEE SCHEMATICS.									

API	Current Operator	Well Name	Well No.	Type	Lease	Status	UL	S-T-R	TV Depth	P&A Dt.
<b>Section 26 Wells</b>										
30-015-04343	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#001H	Oil	Federal	Active	C	26-17S-30E	3286'	
										DOES NOT PENETRATE.
30-015-29176	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#076	Oil	Federal	Active	C	26-17S-30E	3300'	
										DOES NOT PENETRATE.
30-015-29177	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#104	Oil	Federal	Active	D	26-17S-30E	3361'	
										DOES NOT PENETRATE.
30-015-29124	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#103	Oil	Federal	Active	D	26-17S-30E	3285'	
										DOES NOT PENETRATE.
30-015-04344	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002E	Injection	Federal	Active	D	26-17S-30E	3238'	
										DOES NOT PENETRATE.
30-015-04338	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002D	Oil	Federal	Active	E	26-17S-30E	3250'	
										DOES NOT PENETRATE.
30-015-25494	[143199] ENERVEST OPERATING L.L.C.*	CEDAR LAKE ADI FEDERAL	#001	Gas	Federal	Active	E	26-17S-30E	0	
										* C-145 Change of Operator Submitted / Approval Pending - SUBJECT WELL - N/A.
30-015-04337	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#001F	Injection	Federal	Active	F	26-17S-30E	3262'	
										DOES NOT PENETRATE.
30-015-04347	[145295] PENDRAGON ENERGY PRT INC.	GRAYBURG JACKSON UNIT	#003	Oil	Federal	P&A	G	26-17S-30E	3300'	3/14/2001
										DOES NOT PENETRATE.
30-015-04335	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#001E	Oil	Federal	Active	G	26-17S-30E	3300'	
										DOES NOT PENETRATE.
30-015-04346	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002F	Oil	Federal	Active	I	26-17S-30E	3284'	
										DOES NOT PENETRATE.
30-015-04339	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#001G	Oil	Federal	Active	J	26-17S-30E	3295'	
										DOES NOT PENETRATE.
30-015-22581	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Gas	Federal	P&A	J	26-17S-30E	3500'	1/1/1900
										Drilling terminated at 3500' due to high water flow. DOES NOT PENETRATE.
30-015-22623	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	Federal	P&A	J	26-17S-30E	11372'	1/1/1900
										SEE ATTACHED P&A DIAGRAM.



Form C-108 Item VI - Tabulation of AOR Wells (cont.)

30-015-04332	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#001D	Oil	Federal	Active	K	26-17S-30E	3278'	DOES NOT PENETRATE.
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Section 27 Wells

30-015-28833	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#004Z	Oil	Federal	Active	A	27-17S-30E	3375'	DOES NOT PENETRATE.
30-015-04350	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002H	Oil	Federal	Active	A	27-17S-30E	3194'	DOES NOT PENETRATE.
30-015-04352	[181109] CAMERON OIL & GAS INC	SERGEANT	#004	Oil	Federal	Active	A	27-17S-30E	2073'	DOES NOT PENETRATE.
30-015-04355	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002J	Oil	Federal	ExpTA	G	27-17S-30E	3195'	DOES NOT PENETRATE.
30-015-04357	[145295] PENDRAGON ENERGY PARTNERS INC.	GRAYBURG JACKSON UNIT	#005	Oil	Federal	P&A	G	27-17S-30E	3200'	1/1/96 DOES NOT PENETRATE.
30-015-04351	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#003	Oil	Federal	Active	H	27-17S-30E	3386'	DOES NOT PENETRATE.
30-015-04349	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A	H	27-17S-30E	3226'	1/1/00 DOES NOT PENETRATE.
30-015-04353	[145295] PENDRAGON ENERGY PARTNERS INC.	GRAYBURG JACKSON UNIT	#001	Oil	Federal	P&A	I	27-17S-30E	3227'	3/20/01 DOES NOT PENETRATE.
30-015-04354	[149538] ASHER ENTERPRISES LTD. CO.	GRAYBURG JACKSON UNIT	#002I	Oil	Federal	Active	I	27-17S-30E	3253'	DOES NOT PENETRATE.
30-015-04348	[305911] ENERGYQUEST II, LLC	MADDREN B FEDERAL	#009	Oil	Federal	Active	J	27-17S-30E	3164'	DOES NOT PENETRATE.
30-015-04364	[17643] PHILLIPS PETROLEUM CO	GRAYBURG JACKSON WF UNIT	#007	Oil	Federal	P&A	P	27-17S-30E	3254'	11/10/93 DOES NOT PENETRATE.

Section 23 Wells

30-015-04294	[181109] CAMERON OIL & GAS INC	FEDERAL B	#004	Oil	Federal	Active	M	23-17S-30E	2004'	DOES NOT PENETRATE.
30-015-04295	[145295] PENDRAGON ENERGY PARTNERS INC.	GRAYBURG JACKSON UNIT	#005	Oil	Federal	P&A	M	23-17S-30E	3217'	2/26/01 DOES NOT PENETRATE.
30-015-04292	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#009	Oil		P&A	N	23-17S-30E	0'	1/1/01

NO WELL FILE - SIMILAR API WELL NUMBER COMPLETIONS ARE TO GRBG OR SHALLOWER. DOES NOT PENETRATE.

**SUMMARY: 1 well penetrates proposed disposal interval. 1 P&A.**



**C-108 - Item III**

Subject Well Data

**WELL SCHEMATICS**

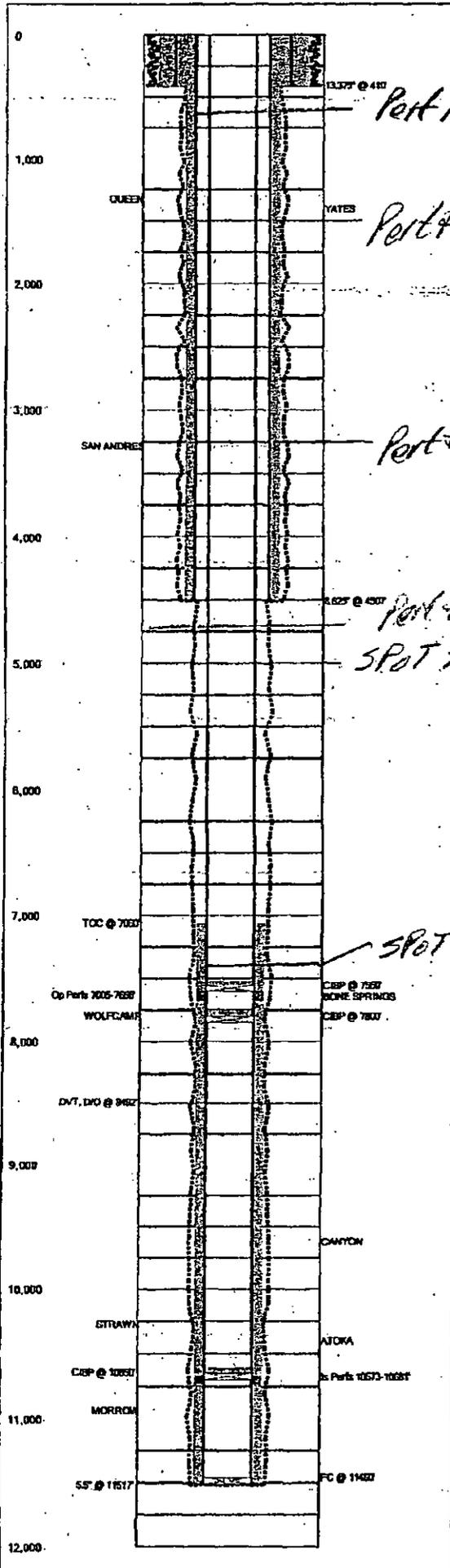
**Current**

**and**

**Proposed**

# Cedar Lake 'ADI' Federal No.1 - CURRENT

Last Updated: 8/16/2013 12:35 PM



*Perf AT NEO CEMENT TO MASSX CMT TO SURFACE*

*Perf + Sg 55385 CMT. 1400 TO 1505 W/OUT TAG*

*Perf + Sg 55385 CMT. 3290 TO 3490 W/OUT TAG*

*Perf + Sg 50552 CMT 4557 TO 4757 W/OUT TAG  
SPOT 255X5 CMT. 5000 TO 4900'*

*SPOT 255X5 CMT. 7550 TO 7450'*

Date	Well	Top (MD ft)	Bottom (MD ft)	Length (ft)	Notes
5/9/2013	CIBP	5,500	7,550	2,050	
12/1/2009	CIBP	5,500	7,800	2,300	
	DVT, D/O	5,500	6,482	982	
12/1/2009	CIBP	5,500	10,650	5,150	
	FC	5,500	11,460	5,960	

**Cement Plug Summary**

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/9/2013		5.600	7,520	7,550	30' CMT ON CIBP
12/1/2009		5.500	7,750	7,800	50' CMT ON CIBP
12/1/2009		5.500	10,510	10,650	40' CMT ON CIBP
		5.500	11,460	11,500	CASING SHOE

**Perforation Summary**

Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
	Open	BONE SPRINGS	7,605	7,656	225
	Isolated	ATOKA SAND	10,678	10,681	32

**Formation Tops Summary**

Formation	Top (MD ft)	Comments
QUEEN	1,332	
YATES	1,408	
SAN ANDRES	3,290	
BONE SPRINGS	7,645	
WOLFCAMP	7,795	
CANYON	9,620	
STRAWN	10,278	
ATOKA	10,400	
MORROW	10,835	

Last Updated: 8/16/2013 12:35 PM

Field Name		Lease Name	Well No.	County, State	API No.
Loco Hills Area		CEDAR LAKE ADI FEDERAL	001	Eddy, New Mexico	30015254940000
Version	Version Tag			Spud Date	Comp. Date
	0 CURRENT			2/27/1985	3/10/1985
G.L. (ft)	K.B. (ft)				
3,617.0	3,637.0				
Sec.	Township/Block	Range/Survey	Footage Call		
26	17S	30E	214' FNL & 660' FWL From Section		
Operator		Well Status	Latitude	Longitude	Proppant
ENERVEST OPERATING L L C		TA'D			46201.001
Last Updated		Prepared By	Updated By		
08/16/2013 12:35 PM		Tyler Hansen	Tyler Hansen		
Additional Information					

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	410	
	11.000	410	4,507	
	7.875	4,507	11,517	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lbm)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing	10	13.375	61.00	J-55	0	410	
	Intermediate Casing	107	8.625	32.00	J-55	0	4,507	
	Production Casing	14	5.500	20.00	N-80	0	612	
	Production Casing	76	5.500	17.00	N-80	612	3,925	
	Production Casing	93	5.500	17.00	J-55	3,925	7,853	
	Production Casing	80	5.500	17.00	N-80	7,853	10,883	
	Production Casing	16	5.500	20.00	N-80	10,883	11,517	

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	23	13.375	0	410	SURFACE CEMENT	CIRC
		8.625	0	410	INTERMEDIATE CEMENT	CIRC
	2,200	8.625	410	4,507	INTERMEDIATE CEMENT	CIRC
	1,200	5.500	7,060	11,500	PRODUCTION CEMENT	TOC FROM CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
5/9/2013	Cast Iron Bridge Plug	5.500	0.000	7,550	0		
12/1/2009	Cast Iron Bridge Plug	5.500	0.000	7,800	0		
	OV tool (drilled out)	5.500	0.000	8,492	0		
12/1/2009	Cast Iron Bridge Plug	5.500	0.000	10,650	0		
	Float Collar	5.500	0.000	11,460	0		

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/9/2013		5.500	7,520	7,550	30' CMT ON CIBP
12/1/2009		5.500	7,750	7,800	60' CMT ON CIBP
12/1/2009		5.500	10,610	10,650	40' CMT ON CIBP
		5.500	11,460	11,500	CASING SHOE

Perforation Summary

C	Date	Perf. Status	Formation	Comments	
		Isolated	ATOKA SAND	F/475 BBL 3% KCL/METHANOL & 57 KW 20/40 SAND & 88 TONS CO2 & N2	
				Interval Comments	
			SPF	Shots	
				Phasing (deg)	
			10,673	10,681	32
C	Date	Perf. Status	Formation	Comments	
		Open	BONE SPRINGS		
				Interval Comments	
			SPF	Shots	
				Phasing (deg)	
			7,605	7,656	156
			7,822	7,844	89

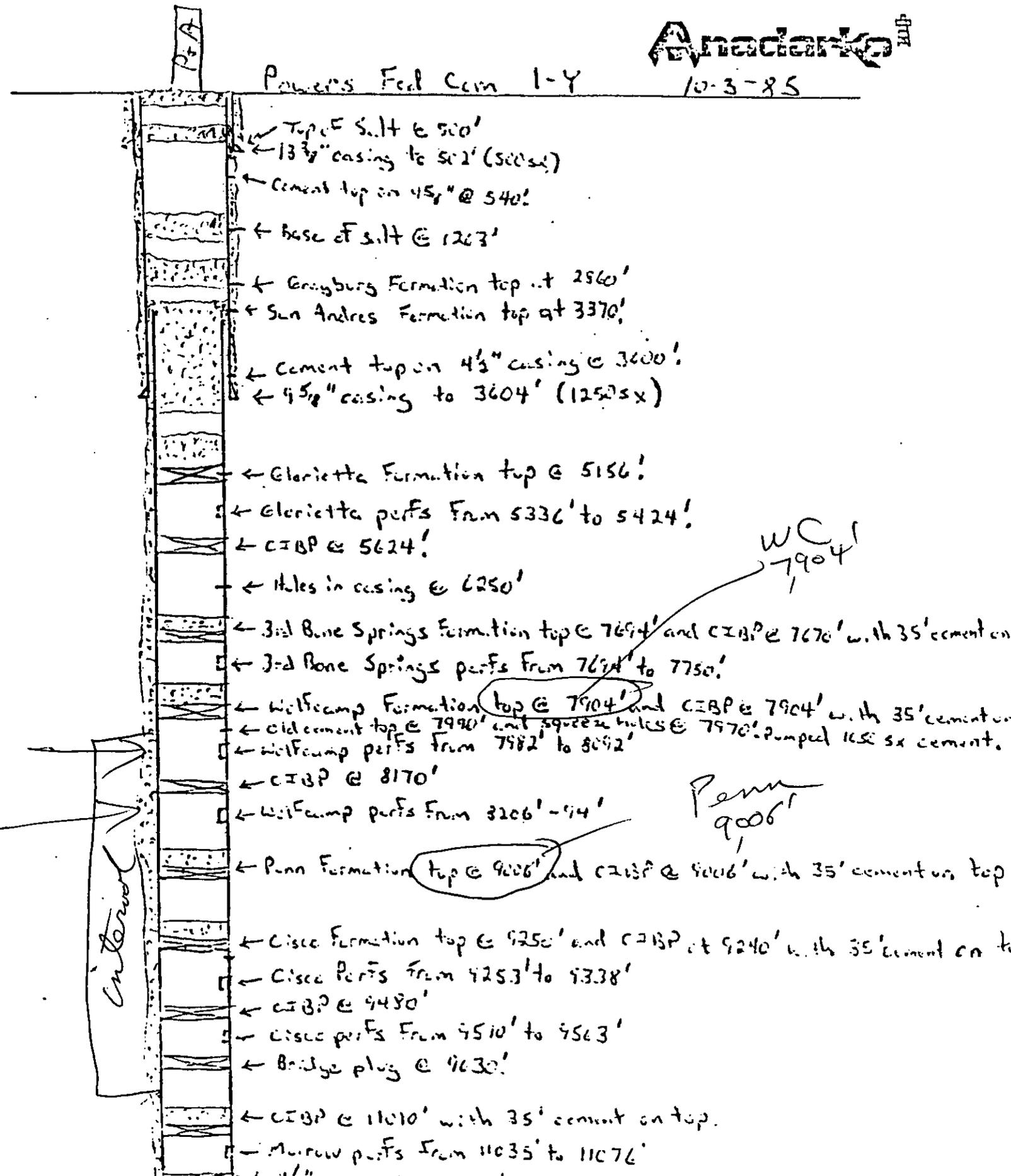
Formation Top Summary

Formation Name	Top (MD ft)	Comments
QUEEN	1,332	
YATES	1,408	
SAN ANDRES	3,290	
BONE SPRINGS	7,645	
WOLFCAMP	7,785	
CANYON	8,620	
STRAWN	10,276	
ATOKA	10,400	
MORROW	10,935	

Anadarko

Powers Feed Corn 1-Y

10-3-85



## C-108 ITEM VII – PROPOSED OPERATION

The Cedar Lake 'ADI' Federal Well No.1 SWD will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from San Andres, Delaware and Morrow formation waters - chlorides and TDS are relative compatible with Wolfcamp, Cisco and Canyon formation waters.)

The system will be closed utilizing a tank battery facility located on the well site. *BUT COMMERCIAL*

Injection pressure will be 1583 psi with rates limited only by that pressure. In the future, Ray Westall Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Ray Westall's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

## **C-108 - Item VIII**

### Geological Data

The Wolfcamp is a light gray-brown fine to medium crystalline fossiliferous limestone with inter-crystalline vugular porosity interbedded with gray shale. Additional porosity can be found when the well bore encounters detrital carbonates which were shed off shelf and foreslope areas and transported down the Wolfcamp paleoslope.

The Canyon Formation (Upper Penn) similar to the Wolfcamp is a gray micritic (fine grained) fossiliferous limestone with vugular porosity. The reservoirs in this area are usually limited in size with up dip porosity loss due to shelf margin carbonate build up.

The combined zones offer good porosity in the proposed injection interval located from 7916' to 10114' with very good porosity interspersed throughout the overall interval.

Fresh water in the area is generally available from the Santa Rosa formation. State Engineer's records show one water well in Section 20, T17S, 30E (6 miles distant) with a depth to water of 80 feet. Generally, depth to water in this area of Eddy county is 150 to 200 feet.

There are no water wells located within one mile of the proposed SWD.

C-108 - Item VII.5

Water Analysis - Disposal Zone



Water Analysis

Date: 2/24/2005

2401 Sireley, Artesia NM 88210  
 Phone (505) 746-3160 Fax (505) 746-2293

Analyzed For

Company	Well Name	County	State
Westall	State GM1	Eddy	New Mexico

Sample Source

Sample #

1

Formation

Canyon

Depth

Specific Gravity	1.080	SG @ 60 °F	1.051
pH	6.30	Sulfides	Not Tested
Temperature (°F)	65	Reducing Agents	Not Tested

Cations

Sodium (Calc)	in Mg/L	9,518	in PPM	9,058
Calcium	in Mg/L	5,600	in PPM	5,328
Magnesium	in Mg/L	240	in PPM	228
Soluble Iron (FE2)	in Mg/L	300.0	in PPM	285

Anions

Chlorides	in Mg/L	24,000	in PPM	22,835
Sulfates	in Mg/L	2,000	in PPM	1,803
Bicarbonates	in Mg/L	185	in PPM	176
Total Hardness (as CaCO3)	in Mg/L	15,000	in PPM	14,272
Total Dissolved Solids (Calc)	in Mg/L	41,844	in PPM	39,813
Equivalent NaCl Concentration	in Mg/L	38,410	in PPM	36,548

Scaling Tendencies

\*Calcium Carbonate Index 1,038,484

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index 11,200,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several wells after treatment.

Remarks FAX 677-2381

C-108 - Item VII.4

Water Analysis - Source Water - SAN ANDRES

**B J Services Water Analysis**

Artesia District Laboratory  
(505)-746-3140

Date: 6-Nov-00 Test #:   
 Company: SDX Resources Well #:   
 Lessor: Chalk Federal #2 County: **Eddy**   
 State: N.M. Formation: **San Andres**   
 Depth: 2900 Source:

pH:	8.51	Temp (F):	88.3
Specific Gravity	1.12		

CATIONS	mg/l	mmol	ppm
Sodium (calc.)	84502	2370.7	40962
Calcium	3208	160.1	2854
Magnesium	1458	120.0	1302
Barium	< 25	—	—
Potassium	< 10	—	—
Iron	3	0.1	2

ANIONS	mg/l	mmol	ppm
Chloride	93000	2623.4	83036
Sulfate	1071	22.3	957
Carbonate	< 1	—	—
Bicarbonate	878	14.4	784
Total Dissolved Solids(calc.)	154120		137807
Total Hardness as CaCO3	14014	280.0	12513

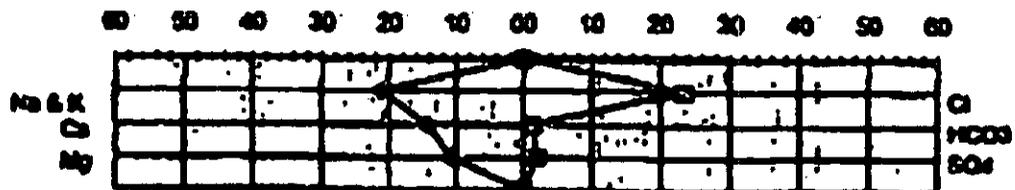
**COMMENTS:**

Rw = 0.0847 @ 51.1 deg.

**SCALE ANALYSIS:**

CaCO3 Factor 2817907 Calcium Carbonate Scale Probability → Probabl  
 CaSO4 Factor 3848600 Calcium Sulfate Scale Probability → Probabl

SDS Plot



C-108 - Item VII.4

Water Analysis - Source Water - DELAWARE



Water Analysis

Date: 11-Jan-05

2788 West County Road, Hobbs NM 88240  
 Phone (505) 392-3336 Fax (505) 392-7307

Analyzed For

Devon	Spud 16 State #1	Les	New Mexico
-------	------------------	-----	------------

Sample Source	Sample	Sample #	1
Formation	Depth		
Specific Gravity	1.185	SG @ 60 °F	1.185
pH	5.98	Sulfides	Absent
Temperature (°F)	65	Reducing Agents	

Cations

Sodium (Calc)	in Mg/L	73,985	in PPM	61,860
Calcium	in Mg/L	34,800	in PPM	28,428
Magnesium	in Mg/L	5,040	in PPM	4,214
Soluble Iron (FE2)	in Mg/L	60.9	in PPM	43

Anions

Chlorides	in Mg/L	158,000	in PPM	157,101
Sulfates	in Mg/L	650	in PPM	460
Bicarbonates	in Mg/L	78	in PPM	65
Total Hardness (as CaCO3)	in Mg/L	108,000	in PPM	88,629
Total Dissolved Solids (Calc)	in Mg/L	301,783	in PPM	252,269
Equivalent NaCl Concentration	in Mg/L	254,733	in PPM	212,988

Scaling Tendencies

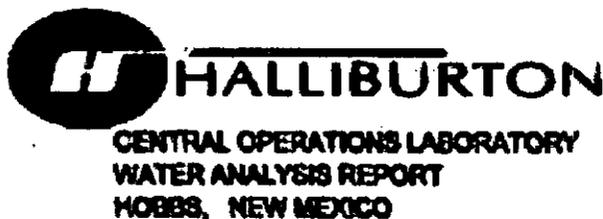
*Calcium Carbonate Index	2,854,720
<i>(Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable)</i>	
*Calcium Sulfate (Gyp) Index	18,700,000
<i>(Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable)</i>	

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks rw=040@631

C-108 - Item VII.4

Water Analysis - Source Water - MORROW



COMPANY Marbob  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

REPORT WD2-128  
 DATE June 18, 2002  
 DISTRICT Hobbs

SUBMITTED BY Jim Treib

WELL Ruger SL #1 DEPTH \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY \_\_\_\_\_ FIELD \_\_\_\_\_ SOURCE \_\_\_\_\_

SAMPLE Morrow Prod. Water

Sample Temp.	<u>64</u>	°	_____	°	_____	°	_____	°
RESISTIVITY	<u>0.13</u>		_____		_____		_____	
SPECIFIC GR.	<u>1.040</u>		_____		_____		_____	
PH	<u>8.63</u>		_____		_____		_____	
CALCIUM	<u>4.500</u>	ppm	_____	ppm	_____	ppm	_____	ppm
MAGNESIUM	<u>6.900</u>	ppm	_____	ppm	_____	ppm	_____	ppm
CHLORIDE	<u>34.863</u>	ppm	_____	ppm	_____	ppm	_____	ppm
SULFATES	<u>10.00</u>	ppm	_____	ppm	_____	ppm	_____	ppm
BICARBONATES	<u>18</u>	ppm	_____	ppm	_____	ppm	_____	ppm
SOLUBLE IRON	<u>0</u>	ppm	_____	ppm	_____	ppm	_____	ppm
Sodium	_____	ppm	<u>0</u>	ppm	<u>0</u>	ppm	<u>0</u>	ppm
TDS	_____	ppm	<u>0</u>	ppm	<u>0</u>	ppm	<u>0</u>	ppm
OIL GRAVITY	<u>0</u>	ppm	<u>0</u>	ppm	<u>0</u>	ppm	<u>0</u>	ppm

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

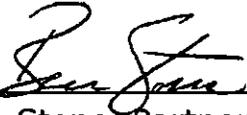
MPL = Milligrams per liter  
 Resistivity measured in: Ohm-cm

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or persons and employees thereof receiving such report from Halliburton Co.

ANALYST: Miss Armstrong

**C-108 ITEM XII – GEOLOGIC AFFIRMATION**

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.



---

Ben Stone, Partner  
SOS Consulting, LLC

Project: Ray Westall Operating, Inc.  
Cedar Lake 'ADI' Fed Well No.1  
Reviewed 9/15/2014

**C-108 ITEM XI – WATER WELLS IN AOR**

A search of the State Engineer's database indicated no wells within one mile of the proposed well.



*New Mexico Office of the State Engineer*  
**Active & Inactive Points of Diversion**  
(with Ownership Information)

No PODs found.

PLSS Search:

Section(s): 22, 23      Township: 17S      Range: 30E

No PODs found.

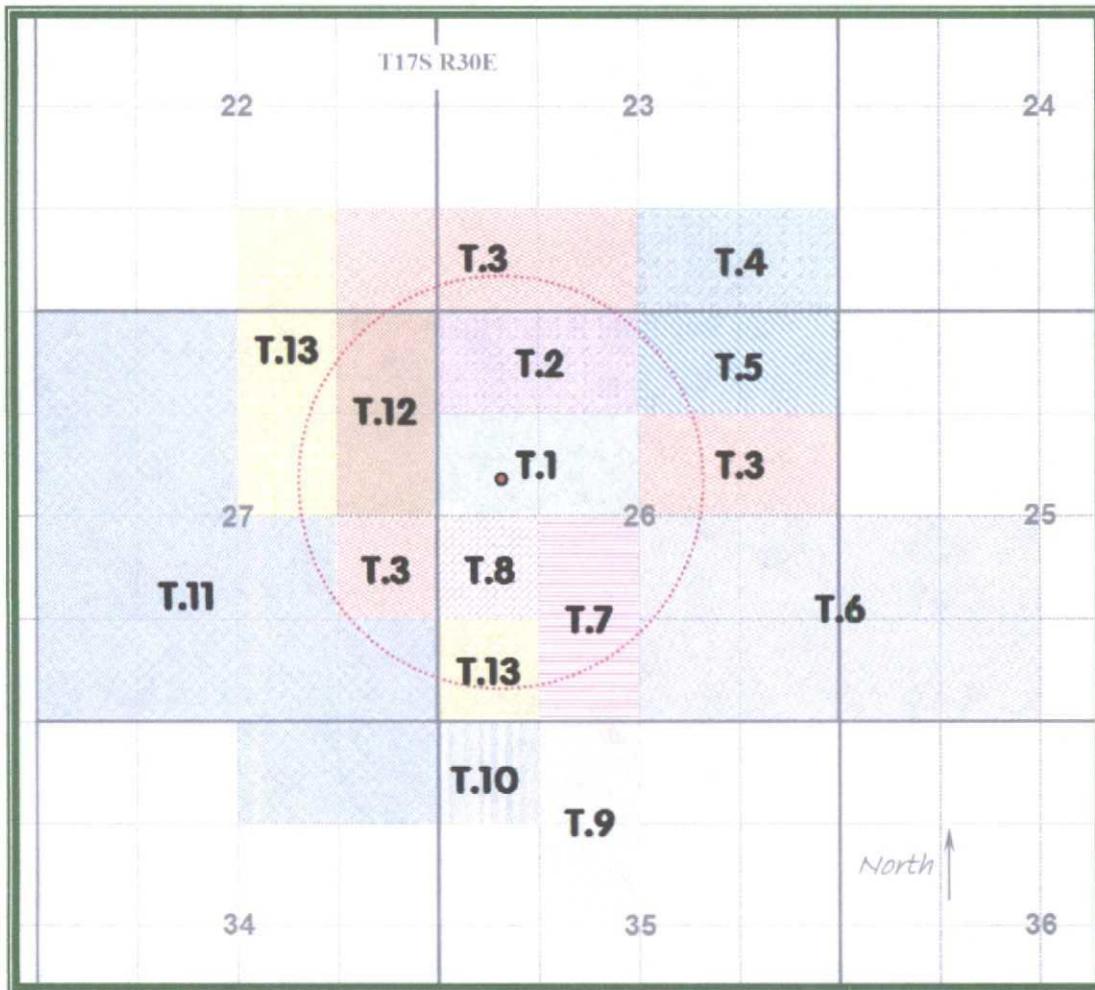
PLSS Search:

Section(s): 26, 27      Township: 17S      Range: 30E

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

# Cedar Lake 'ADI' Fed Com Well No.1 - Leasehold Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



**RAY WESTALL OPERATING, INC.**

## LEGEND

- |  |   |
|--|---|
| T.1 – NMLC-0028992I – EOG Resources, Inc.    | T.8 – NMNM-093143 – John A. Starck                |
| T.2 – NMLC-0028992G – GXG, Inc., Others      | T.9 – NMNM-0558579 – ConocoPhillips Company       |
| T.3 – NMLC-0028992A – COG Operating, LLC     | T.10 – NMLC-0060525 – ConocoPhillips Company      |
| T.4 – NMLC-0028992E – ConocoPhillips Company | T.11 – NMNM-0467934 – ConocoPhillips Company      |
| T.5 – NMLC-0028992C – ConocoPhillips Company | T.12 – NMLC-0059376 – Paul Sergent Estate, Others |
| T.6 – NMLC-0030570B – Fair Oil, LTD          | T.13 – NMLC-0028992B – Anadarko E&P Onshore, LLC  |
| T.7 – NMLC-0028992J – EOG Resources, Inc.    |   |

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST**

**SURFACE & MINERALS OWNER**

U.S. DEPARTMENT OF INTERIOR  
Bureau of Land Management (U.S. Postal Certified Mail)  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

**OFFSET MINERALS LESSEES and OPERATORS (All Notified via USPS Certified Mail)**

**BLM Leases NMLC-0028992I; NMLC-0028992J**

***Lessees***

1 EOG RESOURCES, INC.  
P.O. Box 2267  
Midland, TX 79702

2 READ & STEVENS, INC.  
P.O. Box 1518  
Roswell, NM 88202-1518

***Operator***

3. ASHER ENTERPRISES, LTD.  
1063-D Memorial Drive, PMB 525  
Tulsa, OK 74133

**BLM Lease NMLC-0028992G**

***Lessee***

4 GXG, INC.  
P.O. Box 29161  
Dallas, TX 75201

5 THERYLENE KNOX HELM TRUST OF T.K. HELM  
131 E. Oak Street  
Weatherford, TX 76086-4422

6 JACK D. KNOX  
300 Crescent Ct. #1630  
Dallas, TX 75201

7 SOUTH CENTRAL ENTPRRISES  
9201 Meadowbrook Dr.  
Dallas, TX 75220

8 M.G. CRAIN  
P.O. Box 1764  
Midland, TX 79702

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**BLM Lease NMLC-0028992G (cont.)**

***Operator***

ASHER ENTERPRISES, LTD.  
1063-D Memorial Drive, PMB 525  
Tulsa, OK 74133

**BLM Lease NMLC-0028992A**

***Lessee***

- 9 COG OPERATING, LLC  
One Concho Center  
600 W. Illinois Avenue  
Midland, TX 79701

***Operators***

ASHER ENTERPRISES, LTD.  
1063-D Memorial Drive, PMB 525  
Tulsa, OK 74133

- 10 CAMERON OIL & GAS, INC.  
P.O. Box 1456  
Roswell, NM 88202

**BLM Leases NMLC-0028992E; NMLC-0028992C; NMNM-0558579;  
NMLC-0060525; NMNM-0467934**

***Lessee***

- 11 CONOCOPHILLIPS COMPANY  
P.O. Box 7500  
Bartlesville, OK 74005-7500

***Operator***

- 12 ENERGYQUEST II, LLC  
4526 Research Forest Drive, Ste.200  
The Woodlands, TX 77396

**BLM Lease NMLC-0030570B**

***Lessee***

- 13 FAIR OIL COMPANY  
P.O. 689  
Tyler, TX 75710

**BLM Lease NMNM-093143**

***Lessee***

- 14 JOHN A. STARCK  
P.O. Box 10886  
Midland, TX 79702

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**BLM Lease NMLC-0059376**

***Lessees***

- 15 PAUL SERGENT ESTATE  
1800-N. Stanton #708  
El Paso, TX 79902

***Operator***

ASHER ENTERPRISES, LTD.  
1063-D Memorial Drive, PMB 525  
Tulsa, OK 74133

CAMERON OIL & GAS, INC.  
P.O. Box 1456  
Roswell, NM 88202

**BLM Lease NMLC-0059376 (cont.)**

***Lessees***

- 16 OXY WTP, LP  
6 Desta Drive, Ste.6000  
Midland, TX 79705-5505

- 17 PAUL HARVEY  
3100 Gold St.  
El Paso, TX 79900

- 18 T.J. SIVLEY  
P.O. Box GG  
Artesia, NM 88210

**BLM Lease NMLC-0028992B**

***Lessee***

- 19 ANADARKO E&P ONSHORE, LLC  
P.O. Box 173779  
Denver, CO 80217-3779

***Operator***

ASHER ENTERPRISES, LTD.  
1063-D Memorial Drive, PMB 525  
Tulsa, OK 74133

**OFFSET MINERALS OWNER**

- 20 U.S. DEPARTMENT OF INTERIOR  
Bureau of Land Management  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**REGULATORY**

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy)  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)  
811 S. First St.  
Artesia, NM 88210



September 23, 2014

**NOTIFICATION TO INTERESTED PARTIES**

**via U.S. Certified Mail**

To Whom It May Concern:

Ray Westall Operating, Inc., Loco Hills, New Mexico, has made application to the New Mexico Oil Conservation Division to convert for salt water disposal its Cedar Lake Federal Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 26, Township 17 South, Range 30 East in Eddy County, New Mexico.

The published notice states that the interval will be from 7916 feet to 10,114 feet.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about August 27, 2014

**LEGAL NOTICE**

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Cedar Lake ADI Federal Well No.1. The well, API No.30-015-25494 is located 2140 FNL & 660 FWL in Section 26, Township 17 South, Range 30 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Wolfcamp and Canyon formations through selected perforated intervals between a maximum applied for top of 7916 feet to maximum depth of 10,114 feet and based on further log analysis. Maximum injection pressure will be 1583 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email [info@sosconsulting.us](mailto:info@sosconsulting.us).

***You have been identified as a party who may be interested as an offset lessee or operator.***

You are entitled to a full copy of the application. A full copy in PDF format on a mini-CD will be arriving within a few days of this notice. If you do not receive it, please call or email SOS Consulting, LLC at 903-488-9850, info@sosconsulting.us, and a copy will be expedited to you and may also be sent via email if preferred.

Thank you for your attention in this matter.

Best regards,

A handwritten signature in black ink, appearing to read "Ben Stone". The signature is fluid and cursive, with the first name "Ben" and last name "Stone" clearly distinguishable.

Ben Stone, SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application File

# C-108 - Item XIV

## Proof of Notice (Certified Mail Receipts)

7014 0510 0001 2766 1560  
7014 0510 0001 2766 1553  
7014 0510 0001 2766 1553  
7014 0510 0001 2766 1553  
7014 0510 0001 2766 1553  
7014 0510 0001 2766 1553

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

**OFFICIAL USE**

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

Sent To

Street, Ap or PO Box: **EOG RESOURCES, INC.**  
P.O. Box 2267  
City, State: **Midland, TX 79702**

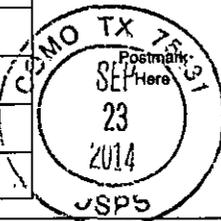
PS Form 3849, October 2013

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

Sent To

Street, Ap or PO Box: **ASHER ENTERPRISES, LTD.**  
1063-D Memorial Drive, PMB 525  
City, State: **Tulsa, OK 74133**

PS Form 3849, October 2013

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

Sent To

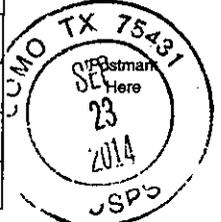
Street, Ap or PO Box: **THERYLENE KNOX HELM TRUST OF T.K. HELM**  
131 E. Oak Street  
City, State: **Weatherford, TX 76086-4422**

PS Form 3849, October 2013

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

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

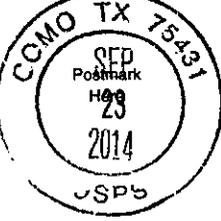
**OFFICIAL USE**

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

Sent To

Street, Ap or PO Box: **READ & STEVENS, INC.**  
P.O. Box 1518  
City, State: **Roswell, NM 88202-1518**

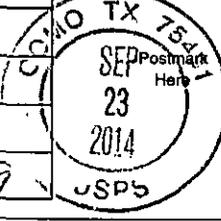
PS Form 3849, October 2013

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

Sent To

Street, Ap or PO Box: **GXG, INC.**  
P.O. Box 29161  
City, State: **Dallas, TX 75201**

PS Form 3849, October 2013

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

Sent To

Street, Ap or PO Box: **JACK D. KNOX**  
300 Crescent Ct. #1630  
City, State: **Dallas, TX 75201**

PS Form 3849, October 2013

# C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

7014 0510 0001 2766 1508

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

**OFFICIAL USE**

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

CCMO TX 75431  
SEP Postmark Here 23 2014  
USPS

Sent To  
 Street, Apt. or PO Box  
 City, State

**SOUTH CENTRAL ENTPRRISES**  
 9201 Meadowbrook Dr.  
 Dallas, TX 75220

PS Form 380

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

CCMO TX 75431  
SEP Postmark Here 23 2014  
USPS

Sent To  
 Street, Apt. N or PO Box N  
 City, State, Zi

**COG OPERATING, LLC**  
 One Concho Center  
 600 W. Illinois Avenue  
 Midland, TX 79701

PS Form 380

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

CCMO TX 75431  
SEP Postmark Here 23 2014  
USPS

Sent To  
 Street, Apt. or PO Box  
 City, State

**CONOCOPHILLIPS**  
 P.O. Box 7500  
 Bartlesville, OK 77005-7500

PS Form 380

2647 0510 0001 2766 1492

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**M.G. CRAIN**  
 P.O. Box 1764  
 Midland, TX 79702

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**CAMERON OIL & GAS, INC.**  
 P.O. Box 1456  
 Roswell, NM 88202

PS Form 380

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**ENERGYQUEST II, LLC**  
 4526 Research Forest Drive, Ste.200  
 The Woodlands, TX 77396

PS Form 380

# C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

7014 0510 0001 2766 1447  
7014 0510 0001 2766 1430  
7014 0510 0001 2766 1430  
7014 0510 0001 2766 1430  
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**FAIR OIL COMPANY**  
P.O. 689  
Tyler, TX 75710

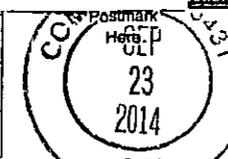
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	\$	<b>6.49</b>



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**PAUL SERGENT ESTATE**  
1800 N. Stanton #708  
El Paso, TX 79902

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**PAUL HARVEY**  
3100 Gold St.  
El Paso, TX 79900

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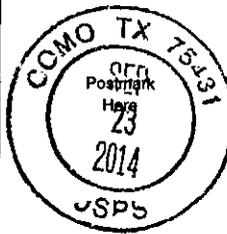
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**ANADARKO E&P ONSHORE, LLC**  
P.O. Box 173779  
Denver, CO 80217-3779

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**JOHN A. STARCK**  
P.O. Box 10886  
Midland, TX 79702

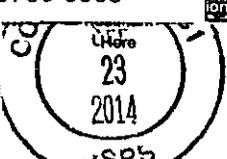
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Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	\$	<b>6.49</b>



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**OXY USA WTP, LP**  
6 desta Drive, Ste.6000  
Midland, TX 79705-5505

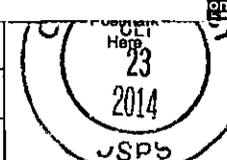
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**T.J. SIVLEY**  
P.O. Box GG  
Artesia, NM 88210

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**BUREAU OF LAND MANAGEMENT**  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

# Affidavit of Publication

No. 23149

State of New Mexico

County of Eddy:

**Danny Scott**

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/day on the same

day as follows:

First Publication	<u>August 27, 2014</u>
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	

Subscribed and sworn before me this

27th day of August 2014



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Cedar Lake ADI Federal Well No.1. The well, API No.30-015-25494 is located 2140 FNL & 660 FWL in Section 26, Township 17 South, Range 30 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Wolfcamp and Canyon formations through selected perforated intervals between a maximum applied for top of 7916 feet to maximum depth of 10,114 feet and based on further log analysis. Maximum injection pressure will be 1583 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us.

Published in the Artesia Daily Press, Artesia, N.M., August 27, 2014 Legal No. 23149.



PERMIT TYPE: WFX / PMX / SWD Number: 1507 Permit Date: 10/3/14 Legacy Permits/Orders: \_\_\_\_\_

Well No. 1 Well Name(s): CEDAR LAKE ADI Federal

API: 30-015-25494 Spud Date: 2-27-85 New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 2140 FNL/660 FWL Lot \_\_\_\_\_ or Unit E Sec 26 Tsp 17S Rge 30E County EDDY

General Location: 2.7 mi SE of Loo Hills Pool: \_\_\_\_\_ Pool No.: \_\_\_\_\_

BLM 100K Map: \_\_\_\_\_ Operator: RAY Westall Operat, INC. OGRID: \_\_\_\_\_ Contact: Donnie Mathew Ben Stone

COMPLIANCE RULE 5.9: Total Wells: 90 Inactive: 0 Fincl Assur: OK Compl. Order? \_\_\_\_\_ IS 5.9 OK? OK Date: 10/30/14

WELL FILE REVIEWED  Current Status: P&A 11,517'

WELL DIAGRAMS: NEW: Proposed  or RE-ENTER: Before Conv.  After Conv.  Logs in Imaging:

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

Well Construction Details	Sizes (In) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	17 1/2 - 13 3/8	410	650	CIRC
Planned ___ or Existing ___ Interm/Prod	11 - 8 5/8	450'	2200	CIRC
Planned ___ or Existing ___ Interm/Prod	7 7/8 - 5 1/2	11,517'	1200	7060'
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH/PERF				

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Inj Length	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.				218'	Drilled TD 10517 PBD P&A
Confining Unit: Litho. Struc. Por.	7795	W.C. Conf	<input checked="" type="checkbox"/>		NEW TD 10517 NEW PBD 10165
Proposed Inj Interval TOP:	7916	(W.C. Conf)			NEW Open Hole <input type="radio"/> or NEW Perfs <input checked="" type="radio"/>
Proposed Inj Interval BOTTOM:	10714'	(500)			Tubing Size 2 7/8 in. Inter Coated? <input checked="" type="checkbox"/>
Confining Unit: Litho. Struc. Por.	10278	Stream	<input checked="" type="checkbox"/>		Proposed Packer Depth 7820' ft
Adjacent Unit: Litho. Struc. Por.					Min. Packer Depth 7816' (100-ft limit)
					Proposed Max. Surface Press. 1583 psi
					Admin. Inj. Press. 1583 (0.2 psi per ft)

**AOR: Hydrologic and Geologic Information**

POTASH: R-11  Noticed? \_\_\_\_\_ BLM Sec Ord  WPP  Noticed? \_\_\_\_\_ SALT/SALADO T: \_\_\_\_\_ B: \_\_\_\_\_ CLIFF HOUSE \_\_\_\_\_

FRESH WATER: Aquifer Santa Rosa Max Depth 50' (150-200) HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CAPITAN REEF: thru  adj  NA  No. Wells within 1-Mile Radius?  FW Analysis

Disposal Fluid: Formation Source(s) SA/DEL/Mon Analysis?  On Lease  Operator Only  or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): \_\_\_\_\_ Protectable Waters? \_\_\_\_\_ Source: \_\_\_\_\_ System: Closed  or Open

HC Potential: Producing Interval? \_\_\_\_\_ Formerly Producing? \_\_\_\_\_ Method: Logs/DST/R&A/Other \_\_\_\_\_ 2-Mile Radius Pool Map

AOR Wells: 1/2-M Radius Map?  Well List?  Total No. Wells Penetrating Interval: 1 Horizontals? \_\_\_\_\_

Penetrating Wells: No. Active Wells 0 Num Repairs? \_\_\_\_\_ on which well(s)? \_\_\_\_\_ Diagrams? \_\_\_\_\_

Penetrating Wells: No. P&A Wells 1 Num Repairs? \_\_\_\_\_ on which well(s)? \_\_\_\_\_ Diagrams? \_\_\_\_\_

NOTICE: Newspaper Date 8/27/14 Mineral Owner BLM Surface Owner BLM N. Date

RULE 26.7(A): Identified Tracts?  Affected Persons: See APP N. Date 9/23

Permit Conditions: Issues: Swab Test Upper Perm (before running UP TO WC)

Add Permit Cond: \_\_\_\_\_