

DATE IN 2/8/08	SUSPENSE	ENGINEER W Jones	LOGGED IN 2/8/08	TYPE SWD 1116	APP NO. PKVR0803948095
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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 _____

[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.

Martha Howard		Regulatory Analyst	2/6/2008
Print or Type Name	Signature	Title	Date
		martha_howard@swm.com	
		e-mail Address	

RECEIVED
 2008 FEB 8 PM 12 09



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

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

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Mr. Jones:

Southwestern Energy Production Company is requesting that a permit be granted to use/drill the Karlsbad Corral SWD No. 2 as a water injection well. Enclosed please find the following information in support of this application:

1. Form C-108
2. Map identifying all wells within two (2) miles with a one-half ($\frac{1}{2}$) radius circle around proposed injection well
3. Table of wells within a one-half ($\frac{1}{2}$) mile radius of subject well.
4. Injection well data sheet
5. Wellbore diagrams for all wells within a one-half ($\frac{1}{2}$) mile radius
6. Water Analysis Report
7. Affidavit of publication and newspaper clipping – Published December 12, 2007
8. Administrative Application Checklist
9. Letter attesting to the notification of the affected parties.

Thank you for your timely approval of this application. If you have any questions, I can be reached at 281-618-4887.

Very truly yours,

Martha Howard
Regulatory Analyst

Attachments
CC: District 2

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance XX Disposal Storage
Application qualifies for administrative approval? XX Yes No
- II. OPERATOR: Southwestern Energy Production Company
ADDRESS: 2350 N. Sam Houston Parkway East, Suite 190 Houston, Texas 77032
CONTACT PARTY: Martha Howard PHONE: (281) 618-4887
- 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 XX 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: Martha Howard TITLE: Regulatory Analyst
SIGNATURE: Martha C. Howard DATE: 2/6/2008
E-MAIL ADDRESS: martha_howard@swn.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.

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.

Attachment A

Side 1

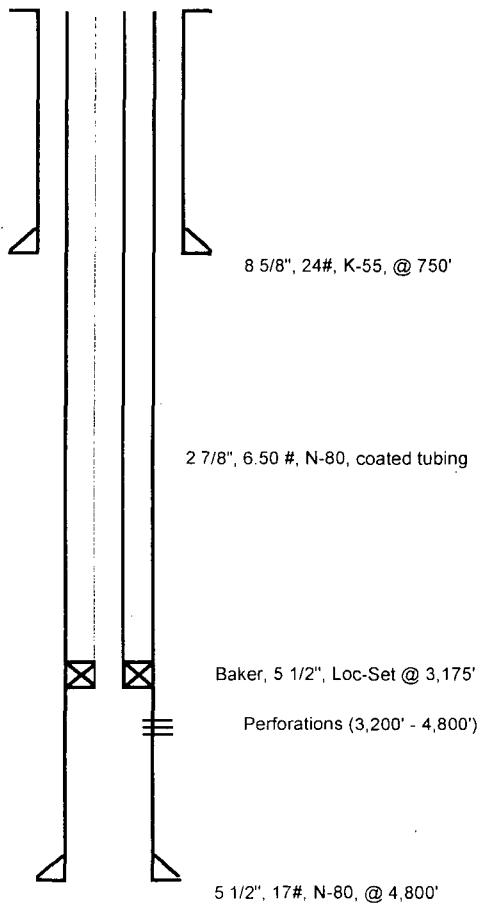
INJECTION WELL DATA SHEET

OPERATOR: Southwestern Energy Production CompanyWELL NAME & NUMBER: Karlsbad Corral SWD No. 2

WELL LOCATION: 350' FSL & 350' FWL 11 25S 29E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATA

Southwestern Energy Production Company
 Proposed Wellbore Diagram
 Karlsbad Corral SWD No. 2, Eddy County, New Mexico

Surface CasingHole Size: 11" Casing Size: 8-5/8"Cemented with: 225 sx. or 369 ftTop of Cement: Surface Method Determined: CirculationIntermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft

Top of Cement: _____ Method Determined: _____

Production CasingHole Size: 7-7/8" Casing Size: 5-1/2"Cemented with: 735 sx. or 1168 ftTop of Cement: Surface Method Determined: CirculationDepth: 4,800'Injection Interval3,200' feet to 4,800'

(Perforated)

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: Plastic CoatedType of Packer: Baker 5-1/2" Loc-Set, internally plastic coatedPacker Setting Depth: 3,175' MD

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

Additional Data

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

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation:
- Delaware

3. Name of Field or Pool (if applicable): _____

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.
- New Drill

No other perforated intervals

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Higher: Delaware (Lamar)Lower: Delaware (Cherry Canyon)

- 6.
- The proposed well is not located in either a Potash area or WIPP site area.

- 7.
- Estimated Formation Tops:

Rustler	553'
Salado	1,683'
Base of Salado	2,903'
Lamar	3,183'
Bell Canyon	3,208'

- 8.
- Production casing will be cemented to surface to isolate the salt section of the well from the injection interval. A cement bond log will be run to verify cement placement..

**C-108 Application for Authority to Inject
Southwestern Energy Production Company
Karlsbad Corral SWD No. 2
Eddy County, New Mexico**

- I. The purpose is to drill and complete a salt water disposal well for produced Delaware, Bone Springs, and other source water into the Delaware Sand formation.

Southwestern Energy Production Company plans to drill a new well into the Delaware Sand for the purpose of water disposal.

- II. Operator: Southwestern Energy Production Company
2350 N. Sam Houston Parkway East
Suite 190
Houston, Texas 77032
Attn: Martha Howard (281-618-4887)

- III. Well Data: See Attachment A

- IV. This is not an expansion of an existing project

- V. There are no active wells within the ½ mile area of review that penetrate the proposed injection zone.
(See Attachment B)

Southwestern Energy Production Company operates a total of two (2) horizontal wells that are producing from the Cherry Canyon 4 Sand of the Delaware Formation Series. The horizontal laterals produce at depth of 5,300' TVD.

- VI. Attachment C is a tabulation of well data and wellbore schematics for all wells that fall within the ½ mile area of review.

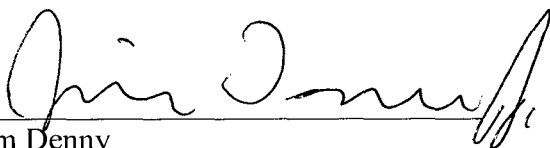
- VII. 1. Proposed average daily injection volume is approximately 2,000 BWPD.
Maximum daily injection volume is approximately 5,000 BWPD
2. This will be a closed system
3. Proposed Average Injection Pressure – unknown
Proposed maximum injection pressure – 1526 psig
4. Sources of injected water would be produced water from the Delaware, Bone Springs, and other sources (Attachment D)
5. There are no productive oil or gas wells in the Bell Canyon formation within 1 mile of the proposed injection well.

- VIII. The proposed injection interval is the portion of the Delaware Sand formation consisting of porous sandstone from estimated depths of 3,200' – 4,800' (TD of proposed new well).
- IX. The proposed disposal interval may be acidized with 10% HCL acid or proppant fracture.
- X. Logs will be filed after the well is drilled.
- XI. There are no windmills within a one mile radius of the well location.
- XII. Southwestern Energy Production Company has examined geological and engineering data and has found no evidence of faulting in the proposed interval. (Attachment E).
- XIII. Proof of notice
 - A. Certified letters sent to the surface owner and offset operators attached (Attachment F)
 - B. Copy of legal advertisement attached (Attachment G)
- XIV. Certification is signed

Attachment E


Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL
Eddy County, New Mexico

Available engineering and geological data have been examined and no evidence of open faults of hydrologic connection between the disposal zone and underground sources of drinking water have been found.



Jim Denny
Geologist
Southwestern Energy Production Company

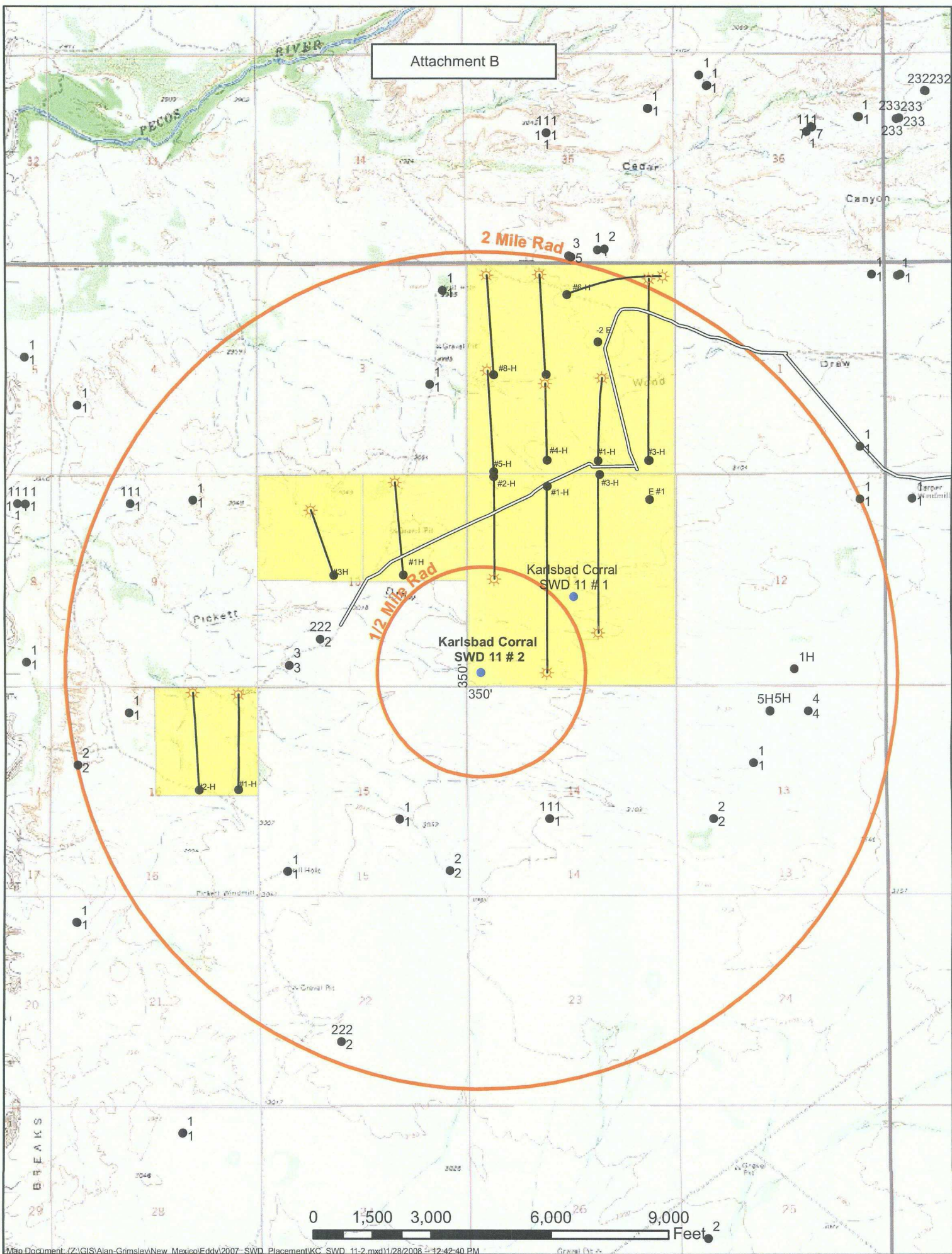
1/31/08
Date



Toni Showan
Engineer
Southwestern Energy Production Company

2/6/2008
Date

Attachment B



Attachment C

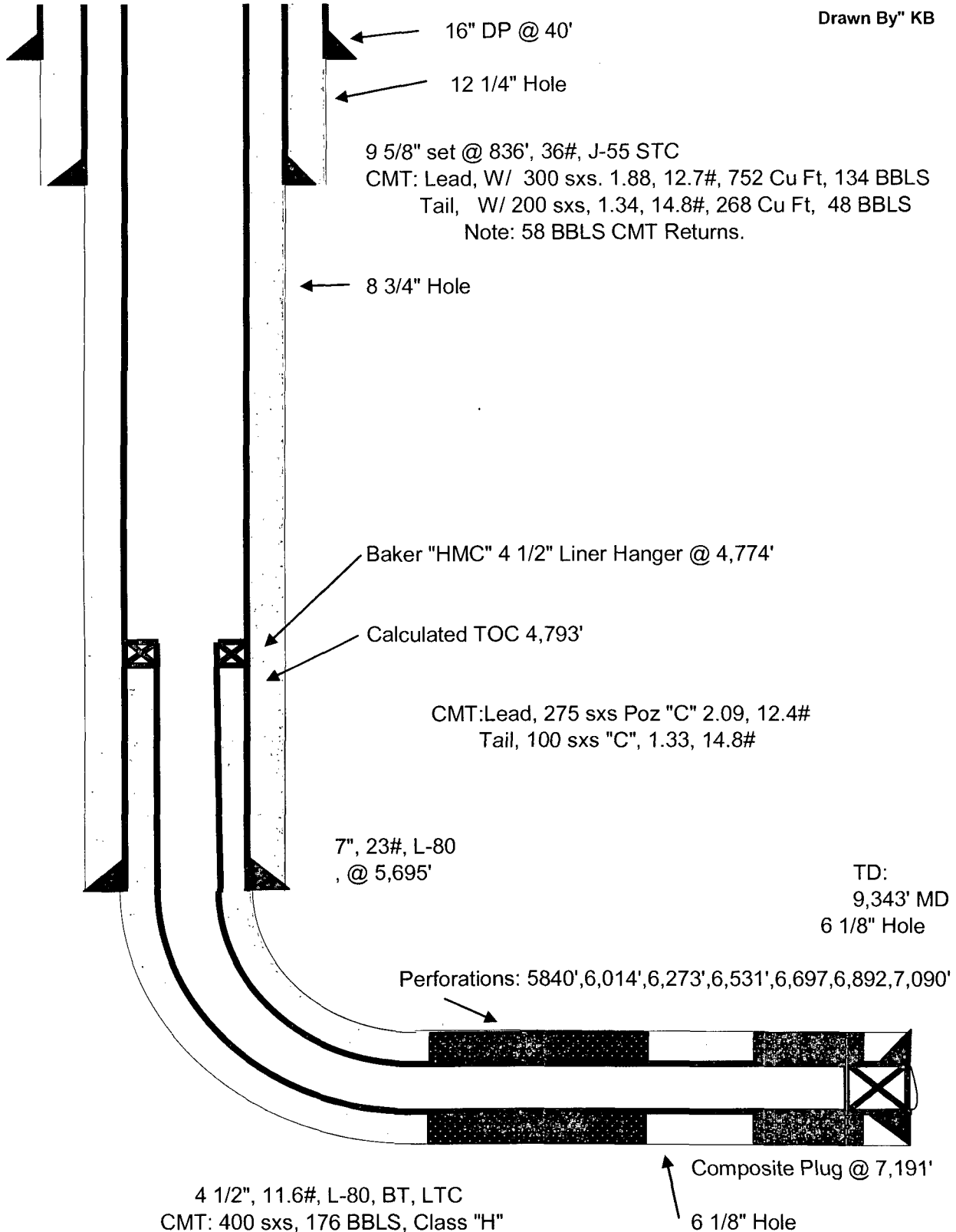
The following is a tabulation on all wells of public record within the area of review. **None of these wells penetrate the proposed injection formation within the area of review.**

Well Name	Operator	API #	Location	Date Drilled	Completion Date	Schematic Attached
Karlsbad Corral 11 State 1-H	Southwestern Energy Production Company	30-015-33983	Surface Location: 330' FNL & 1980' FWL Bottom Hole Location: 713' FSL & 1986' FWL	5/6/2005 (TD Reached)	5/15/2005	Yes
Karlsbad Corral 11 State 2-H	Southwestern Energy Production Company	30-015-34942	Surface Location: 65' FNL & 660' FWL Bottom Hole Location: 2389' FNL & 683' FWL	9/8/2006 (TD Reached)	10/3/2006	Yes

Attachment C

Southwestern Energy Production Company
Karlsbad Corral 11 # 1-H, Eddy County, N. M.
Wellbore Diagram

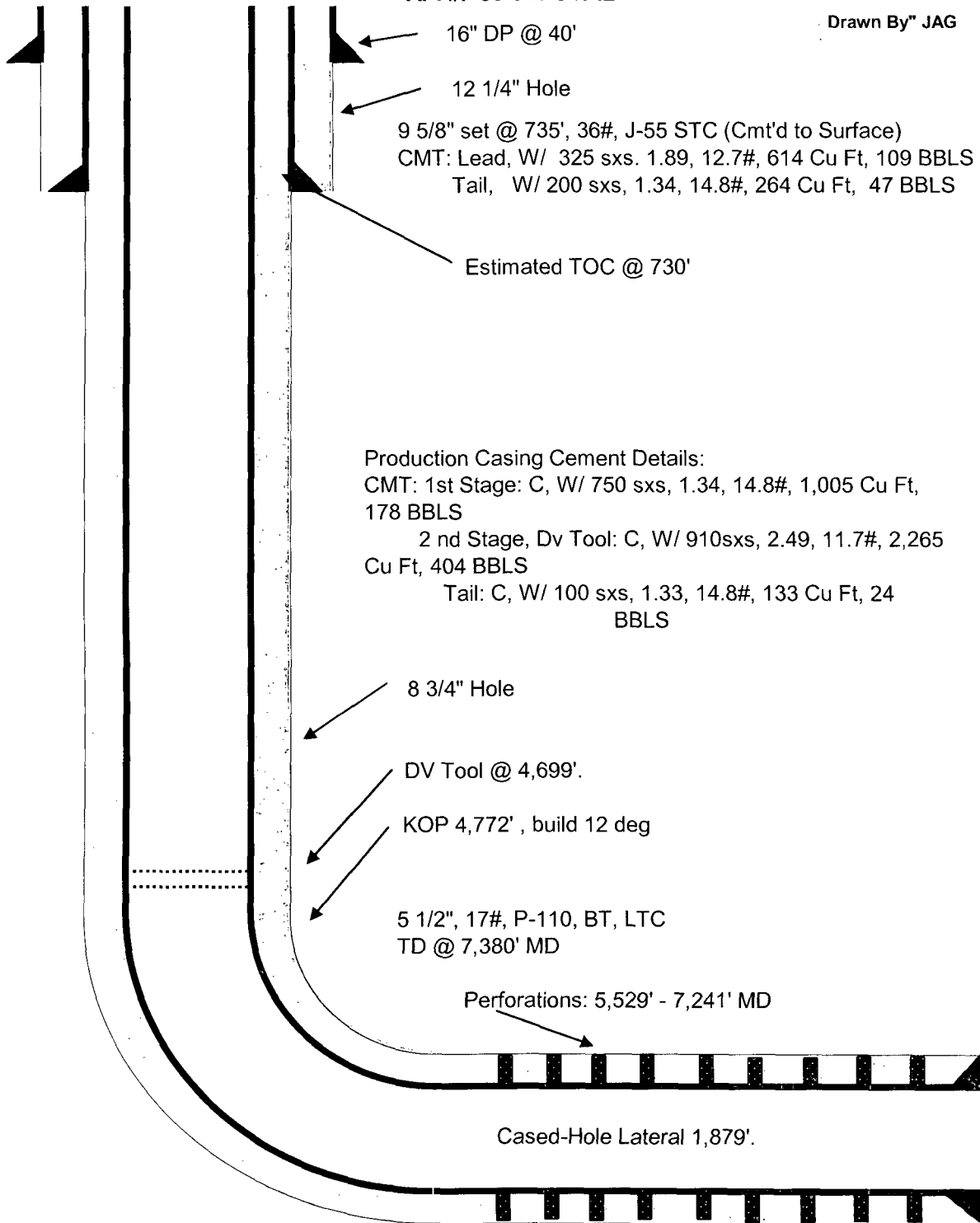
Drawn By" KB



Attachment C

Southwestern Energy Production Company
Karlsbad Corral 11 # 2-H, Eddy County, N. M.
Wellbore Diagram
API #: 30-015-34942

Drawn By" JAG



End Hold/ Begin to 90 deg Inclination 5,518' MD, 5,259' TVD

TD: 7,400' MD / 5,301' TVD

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 11 St.**
 Well No.: **1-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 1**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.640
2. Specific Gravity 60/60 F. 1.218
3. CACO3 Saturation Index @ 80F
- @140F

2.154 Severe
2.155 Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

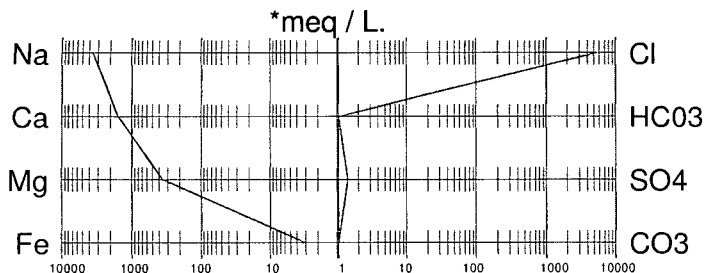
29,820	/ 20.1 =	1,483.58
4,143	/ 12.2 =	339.59
77,933	/ 23.0 =	3,388.39
Less than 10		

Anions

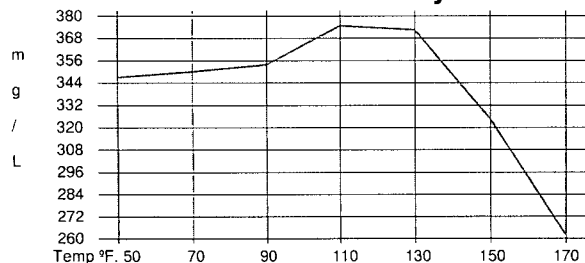
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
23	/ 61.1 =	0.38
66	/ 48.8 =	1.35
184,958	/ 35.5 =	5,210.08
296,943		
53.00	/ 18.2 =	2.91
Not Determined		
91,522		
	0.001 Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.38		81.04	31
CaSO4	1.35		68.07	92
CaCl2	1,481.85		55.50	82,243
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	339.59		47.62	16,171
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,388.64		58.46	198,100

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 11 St.**
 Well No.: **2-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 7**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph **5.560**
2. Specific Gravity 60/60 F. **1.208**
3. CACO3 Saturation Index
 @ 80F **1.956**
 @ 140F **2.056**

Severe
Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

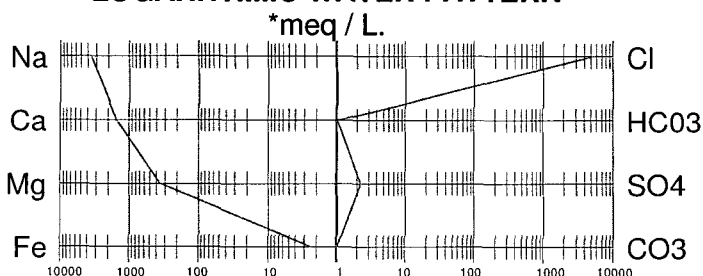
28,569	/ 20.1 =	1,421.34
4,084	/ 12.2 =	334.75
77,554	/ 23.0 =	3,371.91
Less than 10		

Anions

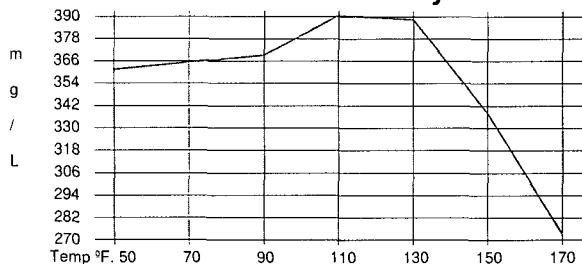
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
23	/ 61.1 =	0.38
105	/ 48.8 =	2.15
181,959	/ 35.5 =	5,125.61
292,294		
41.00	/ 18.2 =	2.25
Not Determined		
88,159		
0.001	Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.38		81.04	31
CaSO4	2.15		68.07	146
CaCl2	1,418.82		55.50	78,744
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	334.75		47.62	15,941
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,372.04		58.46	197,129

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 11**
 Well No.: **3-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.003- 1**
 Salesperson :
 File Name : **Dec1207.003**

ANALYSIS

1. Ph 5.410
2. Specific Gravity 60/60 F. 1.216
3. CACO3 Saturation Index @ 80F
- @140F

1.835 **Severe**
1.836 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

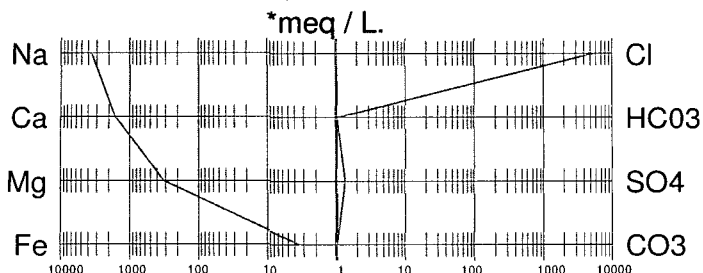
30,685	/ 20.1 =	1,526.62
3,676	/ 12.2 =	301.31
78,469	/ 23.0 =	3,411.70
12	/ 68.7 =	0.17

Anions

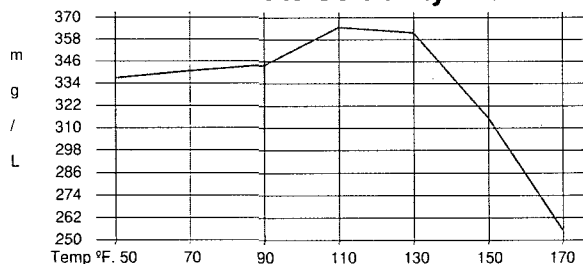
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
18	/ 61.1 =	0.29
63	/ 48.8 =	1.29
185,958	/ 35.5 =	5,238.25
298,881		
60.00	/ 18.2 =	3.30
Not Determined		
91,762		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	0.29		81.04		24
CaSO4	1.12		68.07		76
CaCl2	1,525.21		55.50		84,649
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	301.31		47.62		14,348
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,411.74		58.46		199,450

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2**
 Well No.: **1-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 8**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.580
2. Specific Gravity 60/60 F. 1.209
3. CACO3 Saturation Index @ 80F
- @140F

1.805 **Severe**
2.245 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

28,088	/ 20.1 =	1,397.41
4,318	/ 12.2 =	353.93
76,988	/ 23.0 =	3,347.30
12	/ 68.7 =	0.17

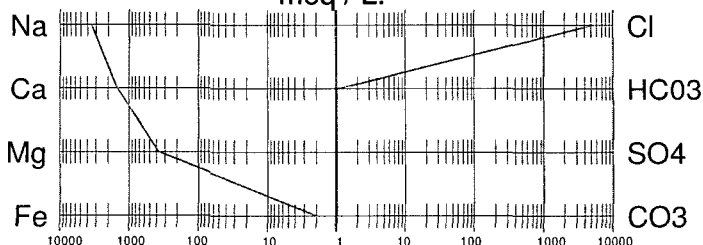
Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

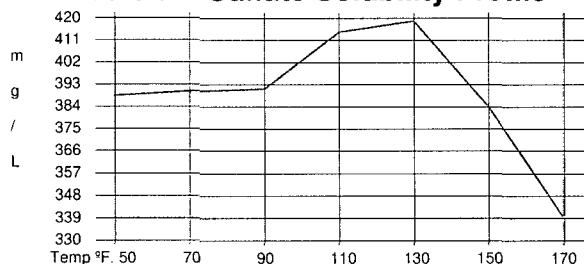
0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
35	/ 61.1 =	0.57
40	/ 48.8 =	0.82
180,959	/ 35.5 =	5,097.44
290,440		
34.00	/ 18.2 =	1.87
Not Determined		
87,918		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	0.57		81.04		46
CaSO4	0.64		68.07		44
CaCl2	1,396.20		55.50		77,489
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	353.93		47.62		16,854
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,347.31		58.46		195,684

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2 St.**
 Well No.: **3-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 5**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.620
2. Specific Gravity 60/60 F. 1.206
3. CACO3 Saturation Index @ 80F
- @140F

1.495 **Severe**
2.195 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

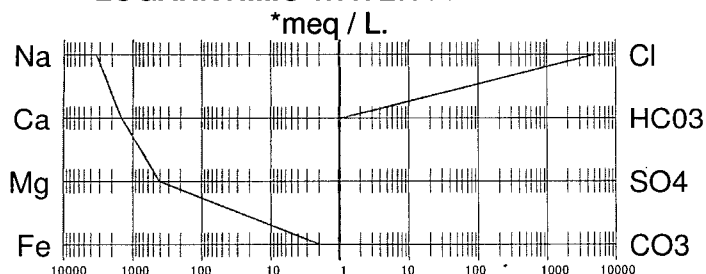
27,415	/ 20.1 =	1,363.93
4,726	/ 12.2 =	387.38
73,747	/ 23.0 =	3,206.39
13	/ 68.7 =	0.19

Anions

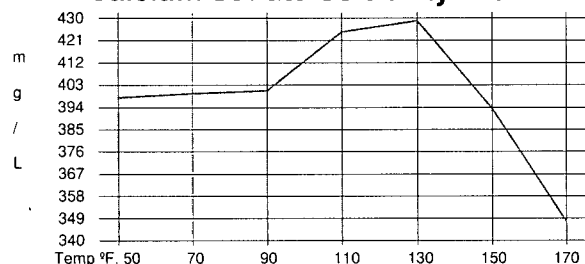
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
29	/ 61.1 =	0.47
46	/ 48.8 =	0.94
175,960	/ 35.5 =	4,956.62
281,936		
33.50	/ 18.2 =	1.84
Not Determined		
87,918		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	0.47		81.04		38
CaSO4	0.75		68.07		51
CaCl2	1,362.70		55.50		75,630
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	387.38		47.62		18,447
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,206.54		58.46		187,454

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2**
 Well No.: **4-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 2**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.600
2. Specific Gravity 60/60 F. 1.215
3. CACO3 Saturation Index @ 80F
- @140F

1.387 **Severe**
2.087 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

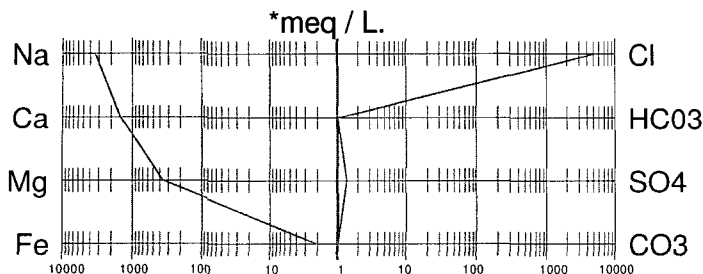
27,992	/ 20.1 =	1,392.64
4,143	/ 12.2 =	339.59
74,843	/ 23.0 =	3,254.04
Less than 10		

Anions

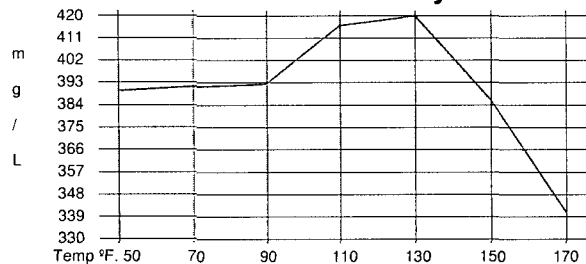
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
23	/ 61.1 =	0.38
65	/ 48.8 =	1.33
176,960	/ 35.5 =	4,984.79
284,026		
35.00	/ 18.2 =	1.92
Not Determined		
86,958		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.38		81.04	31
CaSO4	1.33		68.07	91
CaCl2	1,390.93		55.50	77,197
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	339.59		47.62	16,171
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,254.27		58.46	190,245

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2**
 Well No.: **6-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 3**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.730
2. Specific Gravity 60/60 F. 1.212
3. CACO3 Saturation Index @ 80F
- @140F

2.242 **Severe**
 2.342 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

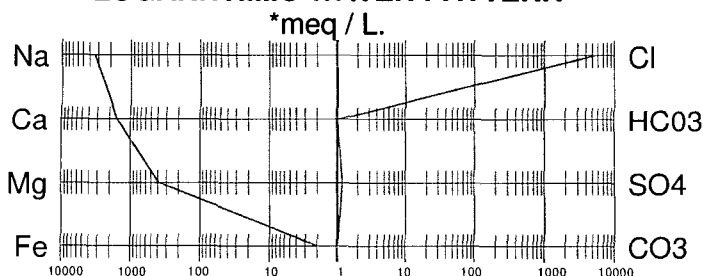
29,820	/ 20.1 =	1,483.58
4,493	/ 12.2 =	368.28
74,027	/ 23.0 =	3,218.57
11	/ 68.7 =	0.16

Anions

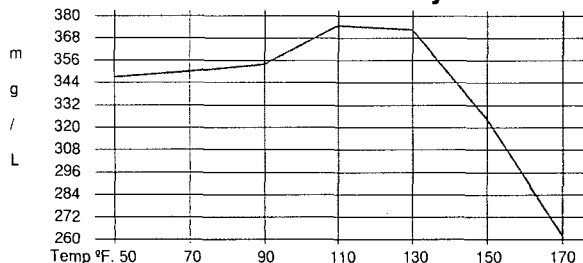
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
29	/ 61.1 =	0.47
56	/ 48.8 =	1.15
179,959	/ 35.5 =	5,069.27
288,395		
33.50	/ 18.2 =	1.84
Not Determined		
92,963		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.47		81.04	38
CaSO4	0.99		68.07	67
CaCl2	1,482.12		55.50	82,258
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	368.28		47.62	17,537
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,218.87		58.46	188,175

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2**
 Well No.: **7-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 4**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.690
2. Specific Gravity 60/60 F. 1.212
3. CACO3 Saturation Index @ 80F
- @140F

1.982 **Severe**
2.422 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide 0
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

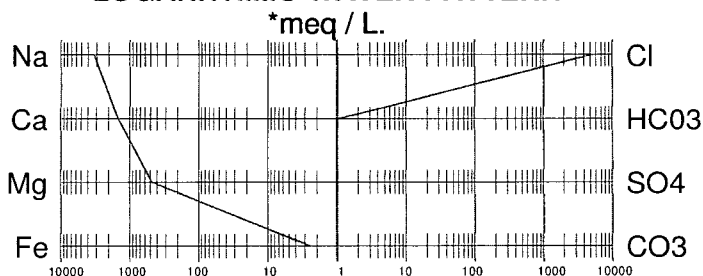
Cations

- | | | | MG/L. | EQ. WT. | *MEQ/L |
|--------------|--------|--------------|--------------|----------|----------|
| 7. Calcium | (Ca++) | | 28,088 | / 20.1 = | 1,397.41 |
| 8. Magnesium | (Mg++) | | 5,485 | / 12.2 = | 449.59 |
| 9. Sodium | (Na+) | (Calculated) | 73,487 | / 23.0 = | 3,195.09 |
| 10. Barium | (Ba++) | | Less than 10 | | |

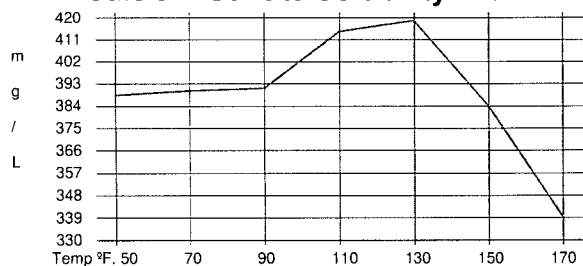
Anions

- | | | | | | |
|--------------------------------------|---------|--|----------------|--------------|----------|
| 11. Hydroxyl | (OH-) | | 0 | / 17.0 = | 0.00 |
| 12. Carbonate | (CO3=) | | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate | (HCO3-) | | 41 | / 61.1 = | 0.67 |
| 14. Sulfate | (SO4=) | | 40 | / 48.8 = | 0.82 |
| 15. Chloride | (Cl-) | | 178,960 | / 35.5 = | 5,041.13 |
| 16. Total Dissolved Solids | | | 286,101 | | |
| 17. Total Iron | (Fe) | | 43.00 | / 18.2 = | 2.36 |
| 18. Manganese | (Mn++) | | Not Determined | | |
| 19. Total Hardness as CaCO3 | | | 92,723 | | |
| 20. Resistivity @ 75 F. (Calculated) | | | 0.001 | Ohm · meters | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	0.67		81.04		54
CaSO4	0.82		68.07		56
CaCl2	1,395.92		55.50		77,474
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	449.59		47.62		21,409
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,195.61		58.46		186,816

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Karlsbad Corral 2**
 Well No.: **8-H**
 Location: **Cherry Canyon 4**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.002- 6**
 Salesperson :
 File Name : **Dec1207.002**

ANALYSIS

1. Ph 5.730
2. Specific Gravity 60/60 F. 1.212
3. CACO3 Saturation Index @ 80F
- @140F

2.314 **Severe**
2.414 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

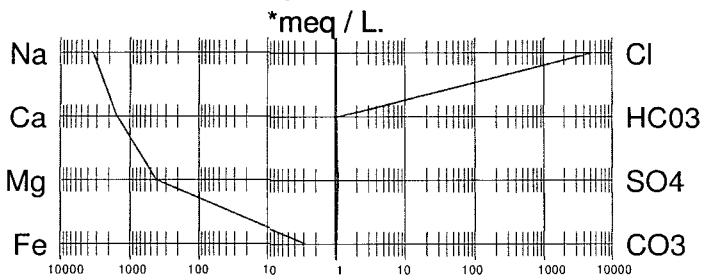
29,339	/ 20.1 =	1,459.65
4,785	/ 12.2 =	392.21
75,323	/ 23.0 =	3,274.91
10	/ 68.7 =	0.15

Anions

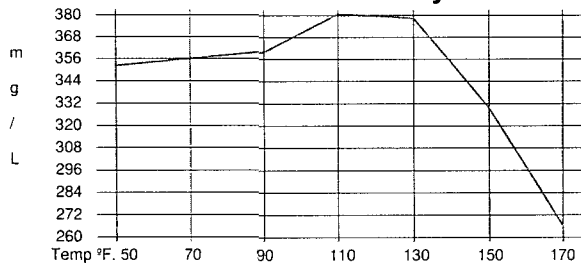
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
35	/ 61.1 =	0.57
50	/ 48.8 =	1.02
181,959	/ 35.5 =	5,125.61
291,501		
47.50	/ 18.2 =	2.61
Not Determined		
92,963		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	0.57		81.04		46
CaSO4	0.88		68.07		60
CaCl2	1,458.20		55.50		80,930
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	392.21		47.62		18,677
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	3,275.19		58.46		191,468

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Corral Fly Fed. 10**
 Well No.: **1-H**
 Location: **Cherry Canyon 7**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.003- 3**
 Salesperson :
 File Name : **Dec1207.003**

ANALYSIS

1. Ph 5.460
2. Specific Gravity 60/60 F. 1.200
3. CACO3 Saturation Index @ 80F

@ 140F

0.737
2.117

Moderate
Severe

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

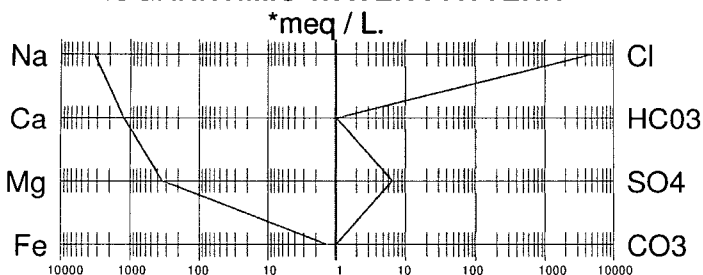
23,663	/ 20.1 =	1,177.26
3,968	/ 12.2 =	325.25
73,133	/ 23.0 =	3,179.70
Not Determined		

Anions

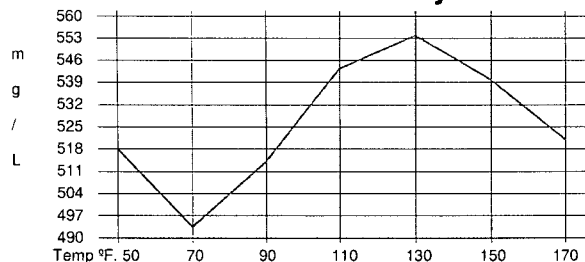
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
41	/ 61.1 =	0.67
310	/ 48.8 =	6.35
165,963	/ 35.5 =	4,675.01
267,078		
23.00	/ 18.2 =	1.26
Not Determined		
75,427		
	0.001 Ohm · meters	

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.67		81.04	54
CaSO4	6.35		68.07	432
CaCl2	1,170.24		55.50	64,948
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	325.25		47.62	15,488
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,179.53		58.46	185,875

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Corral Fly Fed. 10**
 Well No.: **3-H**
 Location: **Cherry Canyon 3**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.003- 2**
 Salesperson :
 File Name : **Dec1207.003**

ANALYSIS

1. Ph 5.430
2. Specific Gravity 60/60 F. 1.209
3. CACO3 Saturation Index @ 80F
- @140F

1.330 **Severe**
2.250 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L.	EQ. WT.	*MEQ/L
0		
Not Determined		
Not Determined		

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

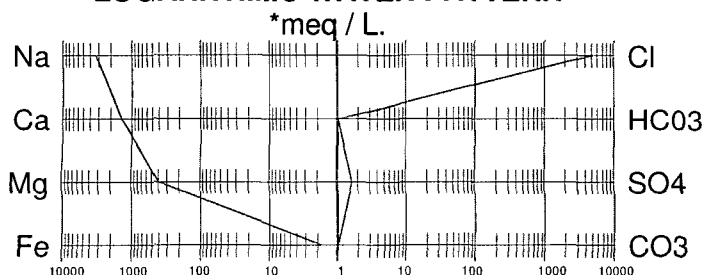
26,741	/ 20.1 =	1,330.40
4,610	/ 12.2 =	377.87
73,468	/ 23.0 =	3,194.26
10	/ 68.7 =	0.15

Anions

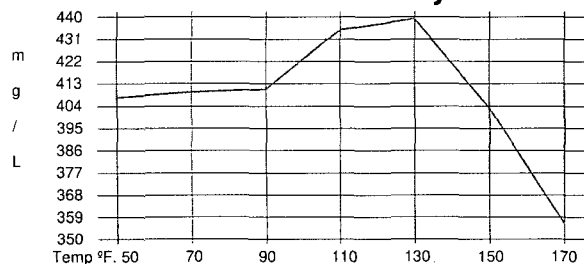
11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0	/ 17.0 =	0.00
0	/ 30.0 =	0.00
53	/ 61.1 =	0.87
78	/ 48.8 =	1.60
173,961	/ 35.5 =	4,900.31
278,921		
29.50	/ 18.2 =	1.62
Not Determined		
85,757		
0.001 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.87		81.04	70
CaSO4	1.45		68.07	99
CaCl2	1,328.08		55.50	73,708
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	377.87		47.62	17,994
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,194.36		58.46	186,742

* milliequivalents per Liter

Kevin Byrne, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : **Southwestern Energy Prod. Co.**
 Lease : **Pickett Draw '16'**
 Well No.: **1-H**
 Location: **Cherry Canyon 3**
 Attention:

Date Sampled : **07-December-2007**
 Date Analyzed: **12-December-2007**
 Lab ID Number: **Dec1207.003- 4**
 Salesperson :
 File Name : **Dec1207.003**

ANALYSIS

1. Ph 5.480
2. Specific Gravity 60/60 F. 1.203
3. CACO3 Saturation Index @ 80F
- @140F

1.555 **Severe**
2.255 **Severe**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

<u>MG/L.</u>	<u>EQ. WT.</u>	<u>*MEQ/L</u>
0		
Not Determined		
Not Determined		

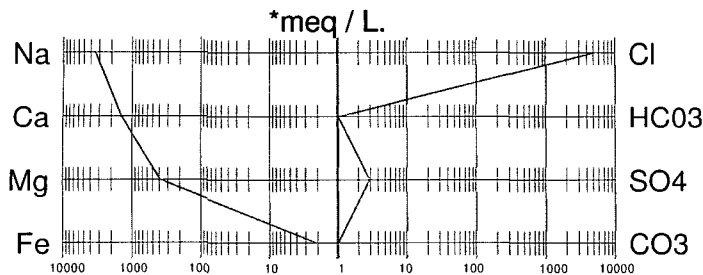
Cations

- | | | | | | | |
|-----|-----------|--------------------|--------|---|--------|----------|
| 7. | Calcium | (Ca++) | 27,126 | / | 20.1 = | 1,349.55 |
| 8. | Magnesium | (Mg++) | 4,493 | / | 12.2 = | 368.28 |
| 9. | Sodium | (Na+) (Calculated) | 75,219 | / | 23.0 = | 3,270.39 |
| 10. | Barium | (Ba++) | 13 | / | 68.7 = | 0.19 |

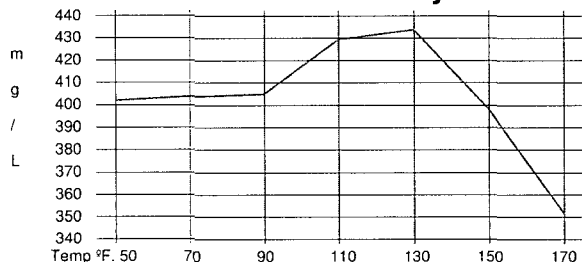
Anions

- | | | | | | | |
|-----|----------------------------------|---------|--------------------|---|--------|----------|
| 11. | Hydroxyl | (OH-) | 0 | / | 17.0 = | 0.00 |
| 12. | Carbonate | (CO3=) | 0 | / | 30.0 = | 0.00 |
| 13. | Bicarbonate | (HCO3-) | 47 | / | 61.1 = | 0.77 |
| 14. | Sulfate | (SO4=) | 138 | / | 48.8 = | 2.83 |
| 15. | Chloride | (Cl-) | 176,960 | / | 35.5 = | 4,984.79 |
| 16. | Total Dissolved Solids | | 283,996 | | | |
| 17. | Total Iron | (Fe) | 35.00 | / | 18.2 = | 1.92 |
| 18. | Manganese | (Mn++) | Not Determined | | | |
| 19. | Total Hardness as CaCO3 | | 86,237 | | | |
| 20. | Resistivity @ 75 F. (Calculated) | | 0.001 Ohm · meters | | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile

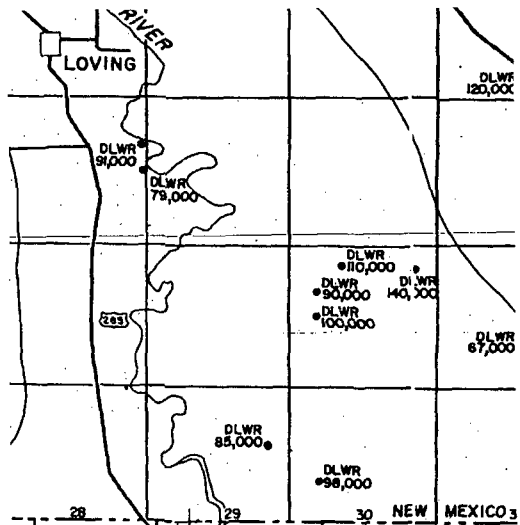


PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.77		81.04	62
CaSO4	2.64		68.07	180
CaCl2	1,346.14		55.50	74,711
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	368.28		47.62	17,537
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,270.37		58.46	191,186

* milliequivalents per Liter

Kevin Byrne, Analyst



Attachment F

Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FEL
Eddy County, New Mexico

Offset Operators

EOG Resources
P.O. Box 2267
Midland, Texas 79702

OXY USA WTP Limited Partnership
P.O. Box 50250
Midland, Texas 79710

Sonic Oil & Gas LP
P.O. Box 1240
Graham, Texas 76450

Bettis Brothers, Inc.
500 W. Wall, Suite 312
Midland, Texas 79701

Norman D. Stovall, Jr
P.O. Box 10
Graham, Texas ~~76046~~ 76450

H. M. Bettis
P.O. Box 1240
Graham, Texas ~~76046~~ 76450

Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

James R. Guinn
201 E. Abram, Suite 650
Arlington, Texas 76010

The Allar Company
P.O. Box 630
Graham, Texas ~~76046~~ 76450

B.A.G.A.M., Ltd.
P.O. Box 37
Graham, Texas ~~76046~~ 76450

Pogo Producing Company
P.O. Box 2504
Houston, Texas 77252

ABO Petroleum Corp.
105 S. 4th Street
Artesia, New Mexico

Yates Drilling Co.
105 South 4th Street
Artesia, New Mexico 88210

J. Guinn Family Trust A
500 E. Border Street, Suite 885
Arlington, Texas 76010

J. Guinn Family Trust ^{AM}
500 E. Border Street, Suite 885
Arlington, Texas 76010

Dominion Exploration & Production Co
1450 Poydras Street
New Orleans, La. 70112

Surface/Mineral Owner and Lessees

New Mexico State Land Office
Oil, Gas and Minerals Division
P.O. Box 1148
Santa Fe, NM 87504-1148

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

Rustlers Breaks Ranch
Attn: Mr. Tran King
64 North 5050 East
Ririe, Idaho 83443

JR Engineering and Construction Co.
P.O. Box 487
Carlsbad, New Mexico 88220

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

April Hernandez, being first duly sworn,
on oath says:

That she is HR Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

December 12 2007

That the cost of publication is \$ 54.39 that Payment Thereof has been made and will be assessed as court costs.

April Hernandez

Subscribed and sworn to before me this

12th day of December, 2007

Stephanie Dobson

My commission Expires on 1/25/2010

Notary Public



December 12, 2007

Southwestern Energy

Production Company,
2350 N. Sam Houston Parkway East,
Suite 125, Houston,
Texas, 77032, will be
filing Form C-108 (A
pplication for Authori-
zation to Inject), with
the New Mexico Oil
Conservation Divi-
sion, seeking admini-
strative approval for
an injection well. The
proposed well, the
Carlsbad Corral SWD
No. 2, located 350'
FSL & 350' FWL, Sec-
tion 11, Township 25
South, Range 29 East
of Eddy County, New
Mexico, will be used
for a saltwater dis-
posal. Disposal wa-
ters from the Dela-
ware formation,
Cherry Canyon sand,
will be re-injected
into the Delaware
formation, Bell Can-
yon sand and Cherry
Canyon sand, at a
depth of 3,200' -
4,800' with a maxi-
mum injection pres-
sure of 1,500 psi
maximum, at a rate
of 2500 BWPD.

All interested parties
opposing the afore-
mentioned must file
objections of requests
for a
hearing with the Oil
Conservation Divi-
sion, 1220 South
Saint Francis Drive,
Santa Fe,
New Mexico, 87505-
5472, within 15 days.
Additional informa-
tion can be obtained
by contacting Martha
C. Howard at (281) -
618-4887.

Published by the
Carlsbad Current Ar-
gus, Carlsbad N.M.,
December 12, 2007.

Legal Notice Number

Jones, William V., EMNRD

From: Martha Howard [Martha_Howard@SWN.COM]
Sent: Tuesday, March 04, 2008 10:59 AM
To: Jones, William V., EMNRD
Cc: Drew Stephenson; Jeff Kallmeyer; Jim Denney
Subject: RE: SWD Application from Southwestern Energy Production Company: Karlsbad Corral SWD #2 API No. 30-015-NA Unit M Sec 11 T25S R29E
Importance: High

Will,

- 1) State of New Mexico is the surface owner
- 2) The drilling engineer confirmed that his request to the landman was in compliance with 701B.(2). I have copied the green cards. Those copies will be going out to you via overnight mail. There was only one card not returned. I have attached a copy of the tracking from the USPS for that card.
- 3) Estimated Tops:

Rustler	533
Salado	1683
Base Salado	2903
Lamar	3183
Bell Canyon	3208
Cherry Canyon	4050
Brushy Canyon	5672
- 4) I have applied for the permit to drill on line (03/04/2008) and will forward API No. once in receipt.

*none as of Monday
3/10/08*

Thank you for your time in approving our application for the Karlsbad Corral SWD No. 2. Hopefully, on the next application all of these answers will be provided in the initial filing.

Martha C. Howard
 Staff Regulatory Analyst
 281-618-4887 direct
 281-618-4758 fax
 Martha_Howard@SWN.com

30-015-36167

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Friday, February 29, 2008 6:11 PM
To: Martha Howard
Cc: Ezeanyim, Richard, EMNRD; Bratcher, Mike, EMNRD
Subject: SWD Application from Southwestern Energy Production Company: Karlsbad Corral SWD #2 API No. 30-015-NA Unit M Sec 11 T25S R29E

Hello Martha:

I have this permit ready to release to Mark Fesmire but have the following questions and requests:

- 1) Please tell me who is the surface owner at the proposed wellsite.... Your application lists many different surface owners.
- 2) You gave a list of parties to notify, but sent no proof of notification. Would you please copy the green cards and send these or just send another spreadsheet with the names and the certified receipt numbers. Please read Division Rule 701B.(2) and let me know if this was followed in deciding whom to notify.
- 3) Please ask your geologist to pick the approximate tops of the Bell Canyon, the Cherry Canyon and the Brushy Canyon at this well location.
- 4) Our database is keyed on API numbers and we do not like to issue permits without these if at all possible. Unless this is Federal, it should not take long to get the well permitted to drill and get an API number. Today, I checked our database and did not see where this well had been permitted. Please obtain the API number for this well at this proposed location and send it to me by email.

3/10/2008

Attachment F

Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FEL
Eddy County, New Mexico

Offset Operators

EOG Resources
P.O. Box 2267
Midland, Texas 79702

✓ OXY USA WTP Limited Partnership
P.O. Box 50250
Midland, Texas 79710

✓ Sonic Oil & Gas LP
P.O. Box 1240
Graham, Texas 76450

✓ Bettis Brothers, Inc.
500 W. Wall, Suite 312
Midland, Texas 79701

✓ Norman D. Stovall, Jr
P.O. Box 10
Graham, Texas ~~76046~~ 76450

✓ H. M. Bettis
P.O. Box 1240
Graham, Texas ~~76046~~ 76450

✓ Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

James R. Guinn
201 E. Abram, Suite 650
Arlington, Texas 76010

✓ The Allar Company
P.O. Box 630
Graham, Texas ~~76046~~ 76450

✓ B.A.G.A.M., Ltd.
P.O. Box 37
Graham, Texas ~~76046~~ 76450

✓ Pogo-Producing Company
P.O. Box 2504
Houston, Texas 77252

✓ ABO Petroleum Corp.
105 S. 4th Street
Artesia, New Mexico

✓ Yates Drilling Co.
105 South 4th Street
Artesia, New Mexico 88210

✓ J. Guinn Family Trust A
500 E. Border Street, Suite 885
Arlington, Texas 76010

✓ J. Guinn Family Trust AM
500 E. Border Street, Suite 885
Arlington, Texas 76010

✓ Dominion Exploration & Production Co
1450 Poydras Street
New Orleans, La. 70112

Surface/Mineral Owner and Lessees

✓ New Mexico State Land Office
Oil, Gas and Minerals Division
P.O. Box 1148
Santa Fe, NM 87504-1148

✓ Bureau of Land Management
Carlsbad Field Office
620 E. Greene Street
Carlsbad, NM 88220

✓ Rustlers Breaks Ranch
Attn: Mr. Tran King
64 North 5050 East
Ririe, Idaho 83443

✓ JR Engineering and Construction Co.
P.O. Box 487
Carlsbad, New Mexico 88220

Martha C. I
Southwestern
2350 N. San
Houston, TX
Willallwood

Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FEL
Eddy County, New Mexico

ICG Resources
 P.O. Box 2267
 Midland, Texas 79702

itis Brothers, Inc.
100 W. Wall, Suite 312
Galveston, Texas 77550

es Petroleum Corporation
South 4th Street
asia, New Mexico 88210

.G.A.M., Ltd.
Box 37
nam, Texas ~~76046~~

Drilling Co.
South 4th Street
Albuquerque, New Mexico 88210

inn Family Trust ^{AM}
E. Border Street, Suite 885
gton, Texas 76010

Mexico State Land Office
Oils and Minerals Division
Box 1148
Fe, NM 87504-1148

rs Breaks Ranch
Mr. Tran King
th 5050 East
Idaho 83443

OXY USA WTP Limited Partnership
P.O. Box 50250
Midland, Texas 79710

Norman D. Stovall, Jr
P.O. Box 10
Graham, Texas ~~76046~~

James R. Guinn
201 E. Abram, Suite 650
Arlington, Texas 76010

Pogo-Producing Company
P.O. Box 2504
Houston, Texas 77252

Sonic Oil & Gas LP
P.O. Box 1240
Graham, Texas 76450

H. M. Bettis
P.O. Box 1240
Graham, Texas ~~76046~~ 76450

The Allar Company
P.O. Box 630
Graham, Texas ~~76046~~ 76450

ABO Petroleum Corp.
105 S. 4th Street
Artesia, New Mexico

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p>New Mexico St. Land Office Oil, Gas & Mineral Division P. O. Box 1148 Santa Fe, NM 87504-1148</p> </div>	<p>A. Signature <input checked="" type="checkbox"/> </p> <p>B. Received by (Printed Name) _____ C. Date _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> <div style="border: 1px solid black; border-radius: 50%; width: 150px; height: 100px; margin: 10px auto; text-align: center; line-height: 100px;"> <p>FEB 12 2008</p> </div> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>2. Article Number _____ (Transfer from service label)</p>	<p>7006 3450 0000 6005 7612</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt</p>	

Bureau of Land
Management
Carlsbad Office
620 E. Green St.
Carlsbad, NM 88220

2. Article Number
(Transfer from service label)

PS Form 3811, February 2004

Domestic Return Receipt

If YES, enter delivery address below:

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

7006 3450 0000 6005

Mail Provides:
 receipt
 Identifier for your mailpiece
 of delivery kept by the Postal Service

Reminders:
 Mail may ONLY be combined with
 Mail is not available for any class
 SURFACE COVERAGE IS PROVIDED
 es, please consider Insured or Registered Mail.
 additional fee, a Return Receipt may be obtained.
 To obtain Return Receipt service, complete PS Form 3811 to the article and endorse mailpiece "Return Receipt Requested".
 To obtain return receipt, a USPS® postmark and additional fee, delivery may be requested from an authorized agent. Advise the agent "Restricted Delivery".
 postmark on the Certified Mail receipt is not needed, detach and affix to the post office for postmarking.
IMPORTANT: Save this receipt and
 3800, August 2006 (Reverse) PSN 7

6:02 M 17 40
 You ☐ Yes ☐ No
 Important Reminders:
 Certified Mail may ONLY be covered by Insurance. Insurance is not available for collectibles, please consider insur-
 O INSURANCE COVERAGE
 an additional fee, a Return Receipt (PS Form 3811) to the article.
 To obtain Return Receipt ser-
 Endorse mailpiece "Return Receipt requested."
 Duplicate return receipt, a USPS® pos-
 red.
 an additional fee, delivery may be made by First-Class® Mail.
 See's authorized agent. Advise the agent of "Restricted Delivery".
 Payment on the Certified Mail receipt is required for postmarking. If a
 the post office for postmarking. If a
 is not needed, detach and affix label with
 NT: Save this receipt and present it at the post office.
 10, August 2006 (Reverse) PSN 7530-02-000-904



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7476

OXY USA WTP Limited Partnership
P.O. Box 50250
Midland, Texas 79710

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. or Alan Grimsley @ 281-618-4068

COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
☒ Addressee
B. Received by (Printed Name) C. Date of Delivery
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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

For delivery information visit our website at www.usps.com

OFFICIAL

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

Sent To **OXY USA WTP**
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4
Karlsbad Corral

OXY USA WTP LP
P.O. Box 50250
Midland, TX 79710

Article Number
(Transfer from service label) **7006 3450 0000 6005 7476**
Domestic Return Receipt
Form 3811, February 2004
102595-02-M-1540



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7483

Sonic Oil & Gas LP
P.O. Box 1240
Graham, Texas 76450

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. or Alan Grimsley@ 281-618-4068.

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
1. Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. 2. Print your name and address on the reverse so that we can return the card to you. 3. Attach this card to the back of the mailpiece, on the front if space permits.		A. Signature <i>Pat Lowder</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
B. Received by (Printed Name) <i>PAT LOWDER</i>		C. Date of Delivery <i>2/8/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
Article Number (transfer from service label): 7006 3450 0000 6005 7483			
Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1540	

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT	
Domestic Mail Only; No Insurance Coverage Provided	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (endorsement Required)	
Restricted Delivery Fee (endorsement Required)	
Total Postage & Fees	\$
Postmark Here	
Sent To <i>Sonic Oil & Gas LP</i>	
Street, Apt. No., PO Box No.	
City, State, ZIP+4	
<i>Karlsbad Corral SWD</i>	

See Reverse for Instructions

To: Martha Howard
Southwestern Energy Production Company
2350 North Sam Houston Parkway East
Houston, Texas 77032

From: Bettis Brothers, Inc. ^{L.P.} 830
500 W. Wall, Suite 312
Midland, Texas 79701

Re: Karlsbad Corral SWD No. 2 (Delaware)
Section 2, T25S R29E
350' FSL & 350' FWL

This is to advise that the undersigned has been given due notice of Southwestern Energy Production Company's intent to apply for a SWD permit regarding their proposed injection into subject well and reservoir. Bettis Brothers, Inc. has no objection to the granting of approval for this application, and hereby waives protest.

Please indicate your waiver of no objection for the referenced well in the space provided below, then return in the enclosed, addressed and stamped envelope.

Thank you for your kind assistance on this matter and your prompt attention will be greatly appreciated.

Agreed to and accepted this 11 day of Feb, 2008.

Bettis Brothers, Inc. ^{L.P.}

(Individual Name or Company Name)

By: Harry M. Bettis

Name: Harry M. Bettis

Title: President

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.		<p>A. Signature <u>Harry M. Bettis</u></p> <p>B. Received by (Printed Name) <u>Harry Bettis</u></p> <p>C. Date of Delivery <u>2-11-08</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
1. Article Addressed to: <u>Bettis Brothers</u> <u>500 W. WALL, Suite 312</u> <u>Midland, TX 79701</u>		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
		7006 3450 0000 6005 7490	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6006 0018

H. M. Bettis
P.O. Box 1240
Graham, Texas 76046 76450

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887 or Alan Grimsley @ 281-618-4068

COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Items 1, 2, and 3. Also complete. Restricted Delivery is desired. Your name and address on the reverse we can return the card to you. This card to the back of the mailpiece, the front if space permits.		A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Pat Locuder</i>	
B. Received by (Printed Name) <i>PAT LOCUDER</i>		C. Date of Delivery <i>2/11/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
Article Number (Transfer from service label) 7006 3450 0000 6006 0018			

Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage)	
For delivery information visit our website at www.usps.com	
OFFICIAL U	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Sent To <i>H.M. Bettis</i>	
Street, Apt. No., or PO Box No. <i>P.O. Box 1240</i>	
City, State, ZIP+4 <i>Graham, TX</i>	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7513

Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

- Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. or Alan Grimsley @ 281-618-4068.

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse that we can return the card to you. Attach this card to the back of the mailpiece on the front if space permits.

Addressed to: **Yates Drilling Co.**
105 South 4th Street
Artesia, NM 88210

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

Number from Service Label: **7006 3450 0000 6005 7513**

3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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OFFICIAL USE

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

Postmark Here

Sent To **Yates Petro Corp.**
Street, Apt. No., or PO Box No.
City, State, ZIP+4
Karlsbad Corral SWD



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7582

J Guinn Family Trust A
500 E. Border Street, Suite 885
Arlington, Texas 76010

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. *or Alan Gumslew C 281-618-4068.*

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
B. Received by (Printed Name) <i>Jorge Cassio</i>		C. Date of Delivery <i>FEB 12 2008</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No		Delivery Information visit our website at www.usps.com	
Article Addressed to: <i>J. Guinn Family Trust A 500 E. Border St. #885 Arlington, TX 76010</i>		OFFICIAL USE	
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Registered <input type="checkbox"/> Insured Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> C.O.D.		Postage \$ Certified Fee Return Receipt Fee (if Required) Additional Delivery Fee (if Required) Postage & Fees \$	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		Postmark Here	
Article Number (Transfer from service label) <i>7006 3450 0000 6005 7582</i>		<i>J. Guinn Family Trust A</i>	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7599

J. Guinn Family Trust M
500 E. Border Street, suit 885
Arlington, Texas 76010

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

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Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. or Alan Grimsdale @ 281-618-4068.

R: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Photo Items 1, 2, and 3. Also complete: If Restricted Delivery is desired: your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, the front if space permits.		A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
B. Received by (Printed Name) Jorge Cosma		C. Date of Delivery FEB 12 2008	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		Postage \$ Certified Fee Receipt Fee (Required) Delivery Fee (Required) Fees & Fees \$	
Addressed to: Gunn Family Trust M 500 E. Border St, Suite 885 Arlington, TX 76010		Postmark Here	
Tracking Number: 7006 3450 0000 6005 7599		Guinn Family Trust M	
Domestic Return Receipt		102595-02-M-1540	

To: Martha Howard
Southwestern Energy Production Company
2350 North Sam Houston Parkway East
Houston, Texas 77032

From: Norman D. Stovall, Jr
P.O. Box 10
Graham, Texas 76046

Re: Karlsbad Corral SWD No. 2 (Delaware)
Section 2, T25S R29E
350' FSL & 350' FWL

This is to advise that the undersigned has been given due notice of Southwestern Energy Production Company's intent to apply for a SWD permit regarding their proposed injection into subject well and reservoir. Norman D. Stovall, Jr has no objection to the granting of approval for this application, and hereby waives protest.

Please indicate your waiver of no objection for the referenced well in the space provided below, then return in the enclosed, addressed and stamped envelope.

Thank you for your kind assistance on this matter and your prompt attention will be greatly appreciated.

Agreed to an accepted this 15

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com OFFICIAL USE			
Postage	\$ 1.98	A. Signature	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Heather Cox</i>
Certified Fee	2.65	B. Received by (Printed Name)	<i>Heather Cox</i>
Return Receipt Fee (Endorsement Required)	2.15	C. Date of Delivery	2/12/08
Restricted Delivery Fee (Endorsement Required)		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
Total Postage & Fees	\$ 6.78	3. Service Type	<input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
Addressed to: Norman D. Stovall Box 10 Graham, TX 76046		4. Restricted Delivery? (Extra Fee)	<input type="checkbox"/> Yes
Sent To Norman D. Stovall Street, Apt. No., or PO Box No. City, State, ZIP+4 Karlsbad Corral SWD #2		Domestic Return Receipt 311, February 2004 7006 3450 0000 6005 7506	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7544

B.A.G.A.M., Ltd.

P.O. Box 37

Graham, Texas 76046 76450

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 3.4068.

COMPLETE THIS SECTION

Fill in items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse of this card to return the card to you. Attach this card to the back of the mailpiece, on the front if space permits.

COMPLETE THIS SECTION ON DELIVERY

A. Signature
☒ Phil Fortune ☒ Agent ☐ Addressee
B. Received by (Printed Name)
PHIL FORTUNE C. Date of Delivery
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

Article Addressed to:
BAGAM, Ltd.
P.O. Box 37
Graham, TX
76450

Article Number:
(Transfer from service label)

7006 3450 0000 6005 7544

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

Postmark
Here

Sent To: BAGAM LTD
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4
Karlsbad Corral SWD#



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7551

Yates Drilling Co.
105 South 4th Street
Artesia, New Mexico 88210

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached

71-618-4068

COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse of this card so we can return the card to you. Attach this card to the back of the mailpiece, on the front if space permits.		A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Melissa [Signature]</i>	
B. Received by (Printed Name) <i>Melissa [Signature]</i>		C. Date of Delivery <i>2/6/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
Article Addressed to: YATES Petro. Corp 105 S 4th Street Artesia, NM 88210		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Article Number (Transfer from service label) 7006 3450 0000 6005 7551			

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Sent To YATES Drilling	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7568

Pogo Producing Company
P.O. Box 2504
Houston, Texas 77252

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. *Donna L. Campbell* 281-618-4868.

R: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Photocopy items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or the front if space permits.		A. Signature X <i>GEE</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
B. Received by (Printed Name)		C. Date of Delivery <i>FEB 11 2008</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
Article Number (Transfer from service label) 7006 3450 0000 6005 7568			

S. Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only, No Insurance Coverage)	
For delivery information visit our website at www.usps.com	
OFFICIAL	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Sent To <i>Pogo Prod.</i>	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	
<i>Karlsbad Corral</i>	

PS Form 3800, August 2005



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7575

ABO Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887.

1-618-4068.

RECIPIENT: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature: <u>Melissa Stewart</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
Article Addressed to: <u>ABO Petroleum Corp</u> <u>105 S. 4th Street</u> <u>Artesia, NM 88210</u>		B. Received by (Printed Name): <u>MELISSA STEWART</u> C. Date of Delivery: _____	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
		3. Service Type: <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL US	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Article Number (Transfer from service label)	7006 3450 0000 6005 7575
S Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540	

Sent To <u>ABO Petroleum Co.</u>	
Street, Apt. No., or PO Box No. _____	
City, State, Zip+4 <u>Karlsbad SWD #2</u>	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7605

Dominion Exploration & Production Co.
1450 Poydras Street
New Orleans, Louisiana 70112

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

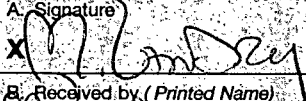
Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

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Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887.

or Alan Grimsley @ 281-618-4887 4068

COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete Items 1, 2, and 3. Also, complete Item 4 if Restricted Delivery is desired. Write your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or in the front if space permits.		A. Signature 	
B. Received by (Printed Name) Alan Grimsley		C. Date of Delivery 2-11	
D. Is delivery address different from Item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No		E. Agent <input type="checkbox"/> Agent Addressee <input type="checkbox"/> Addressee	
3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Article Number (Transfer from service label) 7006 3450 0000 6005 7605		No. No.	

Postage \$
Certified Fee
In Receipt Fee (if Required)
Delivery Fee (if Required)
Postage & Fees \$

Postmark Here

Official Use

Dominion

S Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540 ZIP+4



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7636

Rustlers Breaks Ranch
Attn: Mr Tran King
64 North 5050 East
Ririe, Idaho 83443

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

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Thank you for your cooperation of this application. If you have any questions, I can be reached

81-618-4068.

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, on the front if space permits.		A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>[Signature]</i>	
B. Received by (Printed Name) <i>[Signature]</i>		C. Date of Delivery <i>2/14/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
To Number (from service label) 7006 3450 0000 6005 7636			
m 3811, February 2004 Domestic Return Receipt 102595-02-M-1540			

Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
Delivery information: visit our website at www.usps.com	
OFFICIAL USE	
Postage \$	Postmark Here
Certified Fee	
Return Receipt Fee (if required)	
Postage & Fees \$	
Rustlers Breaks Ranch	
Apt. No.; Box No.	
State, ZIP+4	
Karlsbad SWD#2	

Form 3800, August 2006 See Reverse for Instructions



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7681

JR Engineering and Construction Co.
P.O. Box 487
Carlsbad, New Mexico 88220

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

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Thank you for your cooperation of this application. If you have any questions, I can be reached

81-618-4068

RE: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse of this card to the back of the mailpiece, on the front if space permits.		A. Signature <i>[Signature]</i>	Agent <input type="checkbox"/> Addressee
B. Received by (Printed Name) <i>MR. RICHARDSON</i>		C. Date of Delivery <i>2/12/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
Article Number (Transfer from service label)		7006 3450 0000 6005 7681	
PS Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1540	

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Certified Fee	
Receipt Fee (Required)	
Delivery Fee (Required)	
Fees & Fees \$	
Postmark Here	
<i>JR Engineering & Const.</i>	



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7469

EOG Resources
P.O. Box 2267
Midland, Texas 79702

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

If you have no objections to this operation, kindly execute the attached waiver of protest and return to Southwestern Energy in the enclosed stamped and addressed envelope.

Thank you for your cooperation of this application. If you have any questions, I can be reached at 281-618-4887. or Alan Grimsley @ 281-618-4068.

R: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Write your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature X <i>[Signature]</i>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
Article Addressed to: EOG Resources P.O. Box, Midland, TX 79702		B. Received by (Printed Name) <i>[Signature]</i>	C. Date of Delivery 2/11/08
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Article Number (Transfer from service label)		7006 3450 0000 6005 7469	

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Certified Fee	
Return Receipt Fee (endorsement Required)	
Restricted Delivery Fee (endorsement Required)	
Total Postage & Fees \$	
Sent To EOG Resources	
Street, Apt. No., PO Box No.	
City, State, ZIP+4	
Karlsbad Corral SWD #	

Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7537

The Allar Company

P.O. Box 630

Graham, Texas ~~76046~~ 76450

Re: Karlsbad Corral SWD No. 2
Section 11, T25S R29E
350' FSL & 350' FWL

Dear Sir:

Southwestern Energy Production Company is making an application to the New Mexico oil conservation Division to drill the Karlsbad Corral SWD No. 2 well for disposal of produced Delaware Formation water from our Karlsbad Corral lease. In accordance with regulation 701.B (2), as an offset operator, a copy of the disposal application is being furnished to you.

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SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, on the front if space permits.		A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Kenneth Underwood</i>	
B. Received by (Printed Name) <i>Kenneth Underwood</i>		C. Date of Delivery <i>2/11/08</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No			
3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.			
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes			
Postage and Fees Postage \$ Certified Fee \$ Return Receipt Fee (Endorsement Required) \$ Restricted Delivery Fee (Endorsement Required) \$ Total Postage & Fees \$			
5. Tracking Number 7006 3450 0000 6005 7537			

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City, State, ZIP+4

PS Form 3800, August 2006

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International Mail



**Southwestern Energy
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East
Suite 300
Houston, Texas 77032
(281) 618-4700 FAX: (281) 618-4757

February 6, 2008

via Certified Mail

Receipt # 7006 3450 0000 6005 7520

James R. Guinn
201 E. Abram, Suite 650
Arlington, Texas 76010

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Section 11, T25S R29E
350' FSL & 350' FWL

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Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.78
Sent To James R Guinn	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	
PS Form 3800, August 2006	
See Reverse for Instructions	

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Return Receipt Fee (Endorsement Required)	
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Total Postage & Fees	\$
Sent To James R Guinn	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	

Injection Permit Checklist 2/8/07

SWD Order Number 1116 Dates: Division Approved _____ District Approved _____

Well Name/Num: Karled Canal SWD #2 Date Spudded: New well

API Num: (30-) _____ County: EPD

Footages 350 FSL/350 FUL Sec 11 Tsp 25S Rge 29E

Operator Name: Southwestern Energy Prod. Co. Contact Martha Howard

Operator Address: 2350 N. SAM HOUSTON PKWY EAST, SUITE 190, HOUSTON TX 77032

Current Status of Well: not drilled Planned Work: _____ Inj. Tubing Size: 27/8" 315'

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	11 8 7/8	750	225	CIRC
Intermediate		4800		
Production	7 7/8 5 1/2	315	735	
Last DV Tool				
Open Hole/Liner		(4800' TP)		
Plug Back Depth				

Diagrams Included (Y/N): Before Conversion _____ After Conversion ✓

Checks (Y/N): Well File Reviewed None ELogs in Imaging _____

Intervals:	Depths	Formation	Producing (Yes/No)
<u>Salt/Potash</u>	<u>323-1683</u>	<u>21683-2903</u>	
<u>Capitan Reef</u>	<u>NO</u>	<u>NO</u>	
<u>Cliff House, Etc.</u>			
Formation Above	3208'	Belle Canyon	
Top Inj Interval	3200	Del	
Bottom Inj Interval	4800	Del	
Formation Below			

Fresh Water: Depths: _____ Wells(Y/N) _____ Analysis Included (Y/N): _____ Affirmative Statement ✓

Salt Water Analysis: Injection Zone (Y/N/NA) _____ DispWaters (Y/N/NA) _____ Types: Del, BS, otk

Notice: Newspaper(Y/N) ✓ Surface Owner SLC Mineral Owner(s) _____

Other Affected Parties: _____

AOR/Repairs: NumActiveWells 0 Repairs? _____ Producing in Injection Interval in AOR _____

AOR Num of P&A Wells 0 Repairs? _____ Diagrams Included? _____ RBDMS Updated (Y/N) _____

Well Table Adequate (Y/N) 1/2 AOR STRs: Sec _____ Tsp _____ Rge _____ UIC Form Completed (Y/N) _____

New AOR Table Filename _____ Sec _____ Tsp _____ Rge _____ This Form completed _____

Conditions of Approval: Sec _____ Tsp _____ Rge _____ Data Request Sent _____

Get API

AOR Required Work: _____

Required Work to this Well: _____

Rule 40 OK 2/29/08

Well still not in RBDMS
State Surface in THS area
2/29/08