

BEFORE THE STATE CORPORATION COMMISSION  
OF THE STATE OF KANSAS

In the Matter of the Complaint of Atmos Energy	)	Docket No. 17-CONS-3509-CMSC
Against Endeavor Energy Resources, L.P.	)	
Relating to the Stigmeir #23-1 Well Located in	)	CONSERVATION DIVISION
the SW/4 SW/4 SW4 of Section 23, Township 33	)	Atmos Energy Corporation License No. 31769
South, Range 17 East, Labette County, Kansas.	)	Endeavor Resources, L.P. License No. 32887

**ATMOS ENERGY'S RESPONSE TO ENDEAVOR'S MOTION TO DISMISS**

COMES NOW Atmos Energy Corporation ("Atmos Energy") and for its response to Endeavor Energy Resources, L.P.'s ("Endeavor") Motion to Dismiss, states as follows:

1. Endeavor raises two grounds to dismiss Atmos Energy's complaint: (1) that the complaint is based on factual misstatements, and (2) that the Kansas Corporation Commission ("Commission") lacks jurisdiction over the relief sought.

2. Endeavor is mistaken as to both grounds.

**FACTUAL STATEMENTS IN ATMOS ENERGY'S COMPLAINT AND ENDEAVOR'S MOTION**

3. Endeavor bases much of its factual argument on the boundaries of the Liberty North Underground Gas Storage Facility ("Liberty Facility").

4. The Stegmeir 23-1 well is drilled in the SW/4 SW/4 SW/4 of Section 23, Township 33 South, Range 17 East.

5. Endeavor claims this land is not located within the boundaries of the Liberty Facility. Endeavor is clearly mistaken.

6. In Appendix B to the permit granted to Atmos Energy on July 21, 2011, it clearly shows that the SW/4 of Section 23, Township 33 South, Range 17 East is included in the Liberty Facility as acreage on which leases must be obtained.

7. Moreover, page two and three of the permit provides:

Atmos will continue to pursue lease acquisition for acreage outside the currently permitted storage field boundary and as identified in the Fully Authorized Operating Permit application. The additional acreage to be obtained is listed in Appendix B, *which is attached and made a part of this permit*. Atmos will provide quarterly updates to the Conservation Division on the progress of the lease acquisition until all required leases are obtained. These updates may be transmitted via email and consist of a summary spreadsheet that identifies the progress made. (Emphasis added).

8. This paragraph is notable as it defeats Endeavor's arguments on multiple levels: (1) the quarter section in which the Stegmeir 23-1 well is drilled is clearly within the boundaries identified by the permit; (2) the leases Atmos Energy was to obtain for that quarter section were not optional but mandatory as part of Atmos Energy's permit; and (3) no permit amendment was needed to include that quarter section in the boundaries of the storage field.

9. Atmos Energy updated the Commission on the acquisition of a lease covering the subject property on February 15, 2013, which complied with its permit. See Exhibit A, attached hereto.

10. In fact, the actual map has been updated since the initial permit was granted and shows that the Stegmeir 23-1 well is within the Liberty Facility boundaries. See Exhibit B, attached hereto.

11. Endeavor claims it was denied some type of notice or due process in including this land in the storage field when nothing could be further from the truth - the land was *always* included in the permit and even a cursory glance at the permit would have revealed this. Endeavor's arguments on that front are entirely without merit.

12. In its mistaken assertion that Atmos Energy's complaint is based on a misstatement of the facts, Endeavor also claims that the Stegmeir well has "never" been completed in the subject gas storage formation since the issuance of Atmos Energy's permit.

13. In reviewing the Well Completion Report for the subject well, Exhibit C to Endeavor's motion to dismiss, it does seem to show that the well was recompleted and plugged back to the

Summit-Mulky formation before the date Atmos Energy's permit was issued.

14. However, there are several reasons to doubt the validity or truthfulness of Endeavor's assertion that the Stegmeir 23-1 well has never been completed in the Squirrel formation since Atmos Energy was granted a permit.

15. First, the well completion report relied upon by Endeavor was not filed with the Commission until July 22, 2016, more than five years after the supposed recompletion was finished.<sup>1</sup> In fact, it was this delay that first led to Atmos Energy's scrutiny of the Stegmeir 23-1 well as public record showed it was completed in the gas storage formation until this well completion report was filed. See the attached Exhibit C for the original well completion report.

16. Second, the Squirrel formation was allegedly plugged back using a cast iron plug. Cast iron plugs, rather than cement plugs, are movable and do not prevent Endeavor from producing from the Squirrel formation.

17. Third, Atmos Energy was able to take a gas sample in early 2016 produced from Stegmeir 23-1 well and the test results indicated that pipeline quality gas was being produced in 2016, not gas from the Summit-Mulky coal seam gas formation.

18. Fourth, the production records for the Stegmeir well show that increases and decreases in production coincide with pressure increases and decreases in the gas storage field. Fifth, Endeavor uses this report in conjunction with outright falsehoods to bolster its case, casting doubt on every factual assertion made. Endeavor claims that an Atmos Energy employee witnessed the plug back operations in 2011. This is false. Atmos Energy was not aware of such operations, none of its employees were advised of or witnessed said operation, and if it had been advised that the Stegmeir

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<sup>1</sup>Atmos Energy does not herein address whether this lengthy delay constitutes a violation of Commission regulations concerning the timing for the filing of completion reports.

well was producing from the Squirrel formation and that said formation was being plugged back, it would have required a cement plug that cannot be moved.

19. Endeavor complains of a lack of due process and claims that Atmos Energy was required to amend its permit before the land underlying the Stegmeir 23-1 well would be considered part of the Liberty Facility. As shown above, this is clearly not the case as said land was already included in the permit as acreage on which leases must be obtained. No permit amendment was necessary at all.

20. Moreover, K.A.R. 82-3-1003(k)(1)(A)-(E) lays out the circumstances when a gas storage operator must amend its permit.

21. None of the listed circumstances are met and, therefore, no formal amendment was necessary.

22. For all of the foregoing reasons, Endeavor's contentions of factual misstatements do not hold up under scrutiny.

#### THE COMMISSION HAS JURISDICTION

23. Endeavor makes the claim that the Commission has no jurisdiction over the determination of property rights.

24. This is a red herring - Atmos Energy is not requesting the determination of property rights.

25. Perhaps Atmos Energy's initial complaint was worded awkwardly in that it could be read to be asking the Commission for a determination of property rights. However, all Atmos Energy desires is for the Commission to (1) make a determination that the Squirrel sand formation underlying the subject property is part of the Liberty Facility, (2) order that Endeavor plug back the Squirrel formation using a permanent cement plug, (3) order that the Stegmeir 23-1 well be tested to determine

if it is or has been producing gas from the Liberty Facility, and (4) enjoin Endeavor from further production until the risk of pollution and/or dangerous gas leaks can be ascertained and dealt with.

26. The Commission has jurisdiction to determine the boundaries and included formations of the Liberty Facility and to order the plug back methods and materials for any well drilled through said formations. K.A.R. 82-3-311; K.S.A. 55-1,115; K.S.A. 74-623(a)(2).

27. Moreover, the Commission also has the authority and jurisdiction to test the Stegmeir 23-1 well and enjoin further production pending an analysis of the threat of pollution.

28. While Endeavor is correct that K.S.A. 55-1210 does not give the authority to the Commission to enjoin production or test the wells *to determine or establish property rights to the gas therein*, it is incorrect when it assumes that this is the only reason to enjoin production or test the wells.

29. Atmos Energy is not requesting that the Commission determine who owns the gas being produced from the Stegmeir well, but only that the Commission determine whether gas from the Squirrel formation is leaking at the Stegmeir 23-1 well.

30. This is important to public health and safety purposes and clearly fits within the jurisdiction granted to the Commission by way of K.S.A. 74-623(a)(2)-(3) ("The state corporation commission's jurisdiction shall include: ... (2) underground porosity storage of natural gas, as defined in K.S.A. 55-1,115, and amendments thereto; and (3) prevention and cleanup of pollution of the soils and waters of the state from oil and gas activities described in (1) or (2)").

31. If Endeavor claims the Stegmeir 23-1 well has not produced from the Squirrel formation since 2011, and yet gas testing shows it is producing pipeline quality gas despite this effort and that production from the well coincides with increases and decreases in the pressure of the Liberty Facility, it is probable there is some leak or other failure of the equipment on said well.

32. Without knowing the integrity of the plug or the effectiveness of the plug, the Commission has an obligation to take steps to "prevent and cleanup" pollution of the soil and water of the state. K.S.A. 74-623(a)(3). This obligation includes the prevention of production, if found necessary. This obligation does not just allow the Commission to take such steps but in fact affirmatively requires it to do so.

33. Therefore, the remedy sought by Atmos Energy is clearly within the Commission's power to grant.

ENDEAVOR IS NOT ENTITLED TO ATTORNEY FEES  
REGARDLESS OF THE MERITS OF THIS COMPLAINT

34. Endeavor makes a small attempt at arguing it is entitled to attorney fees under K.S.A. 55-1210(c)(3) as the owner of a stratum at issue here.<sup>2</sup>

35. Endeavor conveniently fails to mention the remainder of K.S.A. 55-1210.

36. The provision at issue states that the owner of a stratum would be able to recover attorney fees if two conditions are met: (1) litigation is necessary to enforce any rights under "this subsection (c)" and (2) the injector does not prevail.

37. As for the first requirement, the beginning of subsection (c) provides "with regards to natural gas that has migrated to adjoining property or to a stratum, or portion thereof, which has not been condemned by law or otherwise purchased."

38. Endeavor's claim is therefore deficient for two reasons: (1) the natural gas has not "migrated" to property (2) that has not been condemned or purchased.

39. As shown above, the subject property was clearly included in the action that first

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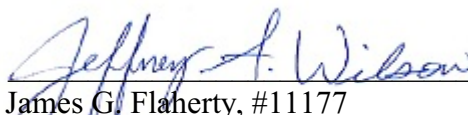
<sup>2</sup>Note that whether Endeavor is, in fact, the "owner" of the stratum as that phrase is used in K.S.A. 55-1210 is not being addressed herein, but Atmos Energy is not conceding that Endeavor is such an entity.

granted Atmos Energy storage rights to the Squirrel formation. Moreover, Atmos Energy has taken a lease to store gas in this stratum. Therefore, the stratum or property that Endeavor claims to own has, in fact, been condemned or purchased.

40. Secondly, as shown herein, Atmos Energy has clear rights to the storage field underlying the Stegmeir well and should be successful in any litigation concerning the rights thereto. Most importantly, this administrative action is not "litigation" as that term is used in K.S.A. 55-1210. The "litigation" contemplated would be an action commenced in the district court to determine property rights to gas that migrates to land that has not been condemned or purchased for gas storage purposes, not an administrative action to investigate, prevent, and remediate threats of pollution to the waters and soils of this state and the integrity of the Stegmeir 23-1 well.

41. Third, even if Endeavor were correct that the Squirrel formation underlying the subject property is not part of the Liberty Facility, Atmos Energy still retains rights to any gas that migrated to the Stegmeir well pursuant to K.S.A. 55-1210(c)(2). Therefore, it seems likely that any production of pipeline quality gas is production of stored gas, to which Atmos Energy retains ownership. In that instance, Atmos Energy could certainly be successful in litigation on that issue.

42. Endeavor's arguments are wholly without merit.



James G. Flaherty, #11177

Jeffrey A. Wilson, #26527

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Ottawa, Kansas 66067

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[jwilson@andersonbyrd.com](mailto:jwilson@andersonbyrd.com)


Attorneys for Atmos Energy Corporation

**VERIFICATION**

STATE OF KANSAS            )  
  )ss:  
COUNTY OF FRANKLIN    )

Jeffrey A. Wilson, of lawful age, being first duly sworn on oath, states:

That he is the attorney for Atmos Energy, named in the foregoing Response to Endeavor's Motion to Dismiss, and is duly authorized to make this affidavit; that he has read the foregoing Response, and knows the contents thereof; and that the facts set forth therein are true and correct to the best of his information and belief.

  
\_\_\_\_\_  
Jeffrey A. Wilson

SUBSCRIBED AND SWORN to before me this 24<sup>th</sup> day of March, 2017.



  
\_\_\_\_\_

Notary Public

Appointment/Commission Expires:




## **CERTIFICATE OF SERVICE**

I hereby certify that a copy of the above and foregoing was sent via U.S. Mail, postage prepaid, hand-delivery, or electronically, this 24<sup>th</sup> day of March, 2017, addressed to:

Jonathan B. Schlatter  
Morris, Laing, Evans, Brock & Kennedy, Chartered  
300 N. Mead, Suite 200  
Wichita, Kansas 67202  
[jschlatter@morrislaing.com](mailto:jschlatter@morrislaing.com)

Joshua D. Wright  
Litigation Counsel  
Kansas Corporation Commission  
Conservation Division  
266 N. Main Street, Suite 220  
Wichita, Kansas 67202-1513  
[j.wright@kcc.ks.gov](mailto:j.wright@kcc.ks.gov)

  
\_\_\_\_\_  
Jeffrey A. Wilson

## Memorandum

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**To:** Brandon Milner – KCC Porosity Storage Section  
**C:** Doug Shatas – Atmos Energy Corp.  
Jerry Shaffer – Atmos Energy Corp.

**From:** Monte Markley P.G. *MRM*  
Kelly Hoyt P.G. *KDH*

**Date:** February 15, 2013

**Re:** Liberty North & South FAOP Compliance Update

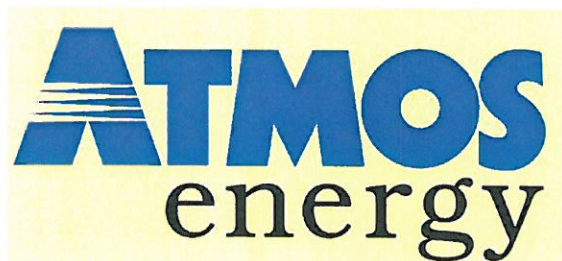
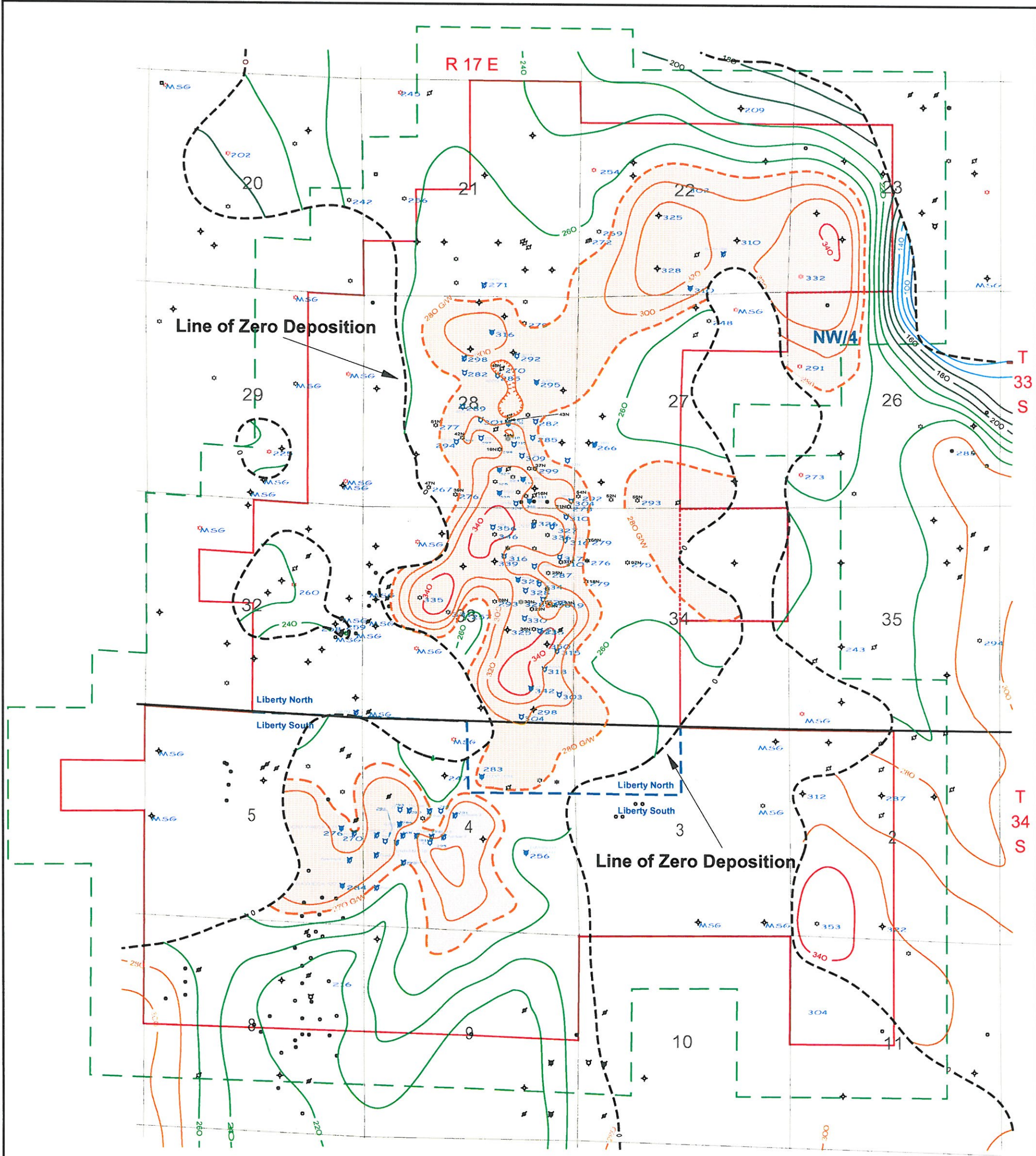
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I am transmitting the AOR map that depicts the storage field boundaries based on the lease acquisitions from July 2012. Since no new leases were added the AOR has not been revised. I have also included one copy each of the active well and plugged well tabular summaries for your files.

A tabular well summary update was completed based on a review of the publically available data on the Kansas Geological Survey website on February 11, 2013. No new artificial penetrations were identified during the review. The next update will need to be completed by February 15, 2014 to maintain compliance with your FAOP. This update reflects the status since the July 2012 revisions, and completes the FAOP compliance update requirements for this facility.

Feel free to give me a call at (316) 315-4501 with any questions.





**LEGEND**

WELL STATUS	---	North/South Internal Boundary
PROD P&A TYPE	---	Storage Field Lease Boundary
• OIL	---	Maximum Authorized Volume & Five Year Average Volume (Same area, lower pressure)
• GAS	---	Zero Edge Squirrel Sand
• O&G	---	Area of Review
• CBM	---	
• DRY	---	
• SALT WATER	---	
• Storage: Inj/With	---	
• OBSERVATION	---	
• LOCATION	---	
• WATER WELL	---	

CONTOUR INTERVAL 20'

Note: Reservoir boundaries and geologic base map obtained from January 2010 permit application. Storage field lease boundaries based on information supplied by Atmos Energy.

REVISED AREA OF REVIEW 2012 FAOP COMPLIANCE UPDATE		ATMOS ENERGY LIBERTY NORTH & SOUTH STORAGE FACILITY		AQUATERRA ENVIRONMENTAL SOLUTIONS, INC. 11120 E. 26TH Street North, Suite 1100 Wichita, Kansas 67226		R5	-	5BY	-
DRAWN BY: MRM		DESIGNED BY: MRM		PROJECT MGR: MRM		R4	-	4BY	-
ELECTRONIC FILE NAME:		DATE:		7/19/2012		R3	-	3BY	-
AOR UPDATE						R2	-	2BY	-
						R1	-	1BY	-
						R0	-	0BY	-
REV.		DATE		BY		DESCRIPTION			
0									
DRAWING NUMBER:	1	PROJECT NUMBER:		5510.10					
SHT. 1 OF 1									



KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL  
AMENDED

Operator: License # 32887  
Name: Endeavor Energy Resources, LP  
Address: PO Box 40  
Delaware, OK 74027  
City/State/Zip: Delaware, OK 74027  
Purchaser: Seminole Energy Services  
Operator Contact Person: Joe Driskill  
Phone: ( 918 ) 467-3111  
Contractor: Name: Well Refined Drilling  
License: 33072  
Wellsite Geologist: NA  
Designate Type of Completion:  
☒ New Well ☐ Re-Entry ☐ Workover  
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.  
☒ Gas ☐ ENHR ☐ SIGW  
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD  
☐ Plug Back ☐ Plug Back Total Depth  
☐ Commingled ☐ Docket No. \_\_\_\_\_  
☐ Dual Completion ☐ Docket No. \_\_\_\_\_  
☐ Other (SWD or Enhr.?) ☐ Docket No. \_\_\_\_\_  
11-2-05 11-3-05 2-10-06  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 099-23792-0000  
County: Labette  
Twp. of SW SW SW Sec. 23 Twp. 33 S. R. 17 ☒ East ☐ West  
400 feet from (S) N (circle one) Line of Section  
330 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Stegmeir Well #: 23-1  
Field Name: Coffeyville  
Producing Formation: Squirrel  
Elevation: Ground: 783.6 Kelly Bushing: \_\_\_\_\_  
Total Depth: 930 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 42.2 Feet  
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 42.2  
feet depth to SURFACE w/ 10 sx cmt.

Drilling Fluid Management Plan ALT II with  
(Data must be collected from the Reserve Pit) 2-13-08  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Joe Driskill  
Title: Operations Superintendent Date: 1-18-08  
Subscribed and sworn to before me this 18 day of January,  
20 08.  
Notary Public: Stephanie Lakey  
Date Commission Expires: April 18, 2009

STEPHANIE LAKEY  
NOTARY PUBLIC-STATE OF OKLAHOMA  
NOWATA COUNTY  
MY COMMISSION EXPIRES APRIL 18, 2009  
COMMISSION # 05603715

KCC Office Use ONLY

N Letter of Confidentiality Received  
If Denied, Yes ☐ Date: \_\_\_\_\_  
Wireline Log Received RECEIVED  
Geologist Report Received KANSAS CORPORATION COMMISSION  
UIC Distribution JAN 24 2008  
CONSERVATION DIVISION  
WICHITA, KS

EXHIBIT C

Operator Name: Endeavor Energy Resources, LP Lease Name: Stegmeir Well #: 23-1  
 Sec. 23 Twp. 33 S. R. 17 ☒ East ☐ West County: Labette

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☒ No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No  
 (Submit Copy)

List All E. Logs Run:

Compensated Density  
 Dual Induction  
 Gamma Ray / Bond

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

Oswego 347

Squirrel 454

Bartlesville 667

Rowe 822

Riverton 886

Mississippi 896

### CASING RECORD ☐ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Production	6.750	4.5	10.5	924'	Class A	120	Diacel

### ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	454-467 Squirrel	500 gal 15% HCL	
		5700# 20/40 Sd	
		5000# 12/20	
		400 bbls 20# Gelled Water	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375	480		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		11	50	

Disposition of Gas METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Solid ☐ Used on Lease  
 (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify)

RECEIVED  
 KANSAS CORPORATION COMMISSION

JAN 24 2008

CONSERVATION DIVISION  
 WICHITA, KS

**Well Refined Drilling Company, Inc.**

4230 Douglas Road - Thayer, KS 66776

Contractor License # 33072

620-839-5581/Office; 620-432-6170/Jeff Cell; 620-839-5582/FAX

Rig #:	2	Lic # 32887
API #:	15-099-23792-0000	
Operator:	Endeavor Energy Resources LP	
Address:	PO Box 40	
	Delaware, Ok 74027	
Well #:	23-1	Lease Name: Stigmeir
Location:	400 ft. from S	Line
	330 ft. from W	Line
Spud Date:	11/2/2005	
Date Completed:	11/3/2005	TD: 930'
Geologist:		
Casing Record	Surface	Production
Hole Size	11"	6 3/4"
Casing Size	8 5/8"	
Weight		
Setting Depth	42'2"	
Cement Type	Portland	
Sacks	10	
Feet of Casing	42'2"	

S 23 T 33S R 17E  
Location: 70'N of SW,SW,SW  
County: Labette - Kansas

HAVE RIG  
WILL DIG

Gas Tests			
Depth	Oz.	Orifice	flow - MCF
155		No Flow	
180		No Flow	
280		No Flow	
392	11	1"	85.9
405	13	1"	93.6
425	6	1 1/4"	107
455	24	1 1/4"	215
480	18	1 1/2"	295
505	17	1 1/2"	287
530	Gas Check Same		
555	Gas Check Same		
630	13	1 1/2"	251
680	Gas Check Same		
830	12	1 1/2"	241
888	14	1 1/2"	260
905	Gas Check Same		
930	12	1 1/2"	241

Well Log								
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	overburden	107		no odor	275	276	shale
2	6	clay	118	128	lime	276	277	coal
6	8	lime	122		oil show	277	347	shale
8	10	shale	128	148	shale	347	382	Cswego lime
		wet	148	150	lime			oil odor
10	12	lime	150	152	shale	382	383	shale
12	56	shale	152	155	laminated sand	383	385	Summit blk shale
56	57	coal	155	163	shale	385	387	shale
57	62	shale	163	165	sand	387	409	lime
62	63	blk shale	165	166	shale	409	411	shale
63	65	shale	166	167	Mulberry coal	411	414	Mulky blk shale
65	90	lime	167	193	sand	414	415	coal
90	100	shale	193	217	shale	415	416	shale
100	101	coal	217	220	lime	416	422	lime
101	104	shale	220	250	shale	422	441	shale
104	115	lime	250	271	Pink lime	441	444	Ironpost coal
		oil odor	271	273	shale	444	454	shale
115	118	shale	273	275	Lexington blk shale	454	549	Squirrel sand

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 24 2008

REGISTRATION DIVISION  
TOPEKA, KS



VALIDATED OIL WELL SERVICES, INC.  
14TH STREET, CHANUTE, KS 66720  
1-9210 OR 800-467-8676

TICKET NUMBER **5950**  
LOCATION **BV**  
FOREMAN **Jeff Graham**

# TREATMENT REPORT & FIELD TICKET

## CEMENT

DATE	CUSTOMER #	WELL-NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-05	2520	Stegmyer #23-1	23			Labette
CUSTOMER <b>Endeavor</b>						
MAILING ADDRESS						
CITY						
STATE						
ZIP CODE						

TRUCK #	DRIVER	TRUCK #	DRIVER
467	Rink		
202	Anthony		
454/791	Richard		

OB TYPE **LS** HOLE SIZE **6 3/4** HOLE DEPTH **930** CASING SIZE & WEIGHT **4 1/2 10.5**  
CASING DEPTH **924** DRILL PIPE TUBING OTHER  
SLURRY WEIGHT **13.4** SLURRY VOL WATER gal/sk CEMENT LEFT in CASING **0**  
DISPLACEMENT DISPLACEMENT PSI MIX PSI DATE

REMARKS: *Ran w/c to check depth - Ran gel pills ahead of line & est. circ -  
dumped 120 sk DIACEL mix w/ pills - shut down - worked out line & pump -  
changed plug - displaced to bottom & set - shut so*

*Circ. cont. to surface*

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 24 2008

CONSERVATION DIVISION  
WICHITA, KS

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE <b>LONGSTRIDE</b>		765.00
5406	52 mi	MILEAGE		156.00
5407	min	<b>BULK TRK</b>		260.00
5501C	3 1/2 hr	<b>TRANSPORT</b>		325.50
1104	120 sk	<b>Cement</b>		1170.00
3123	72 #	<b>DIACEL PL</b>		738.00
1128	72 #	<b>DIACEL RPM</b>		324.00
1110	24 sk	<b>GILSONITE</b>		524.40
1111	250 #	<b>SALT</b>		70.00
1111A	60 #	<b>METS</b>		93.00
1107	2 sk	<b>FLO SURE</b>		85.50
1105	2 sk	<b>HALLS</b>		29.00
1118B	12 sk	<b>Gel - 50 #</b>		79.56
1123	3100 GA	<b>City H2O</b>		37.82
4404	1 ac	<b>4 1/2 rubber plug</b>		38.00
5402	924'	<b>FOOTAGE</b>		142.84

SALES TAX **208.94**  
ESTIMATED TOTAL **5052.53**

AUTHORIZATION

TITLE

DATE

**#200704**