



ORIGINAL

Side Two

Operator Name: M & M Exploration, Inc.

Lease Name: Z Bar

Well #: 24-1

Sec. 24 Twp. 34 S. R. 15  East  West

County: Barber

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Penn	3100	-1407
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner Shale	4018	-2325
List All E. Logs Run:		Cherokee Shale	4818	-3125
		Mississippian	4834	-3141

Array Induction, Density-Neutron, Microlog

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
Surface <del>COND.</del>	17.5	13 3/8	48#	263'	Class A	250	2%gel,3%cc
Surface	12 1/4	8 5/8	24#	914'	Class A	275	2%gel,3%cc
Production	7 7/8"	4 1/2	10.5#	5220'	Class H	250	10%gyp,10% salt, 6#Kalseal

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
1	4848-4868, 4882-4922	2500 gal 15% MCA	
		Frac w 5400 BW + 48,000# sand	

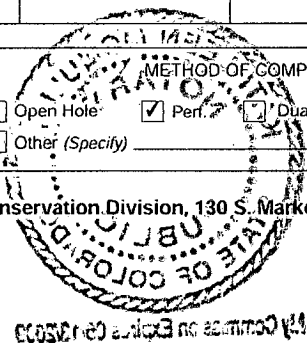
TUBING RECORD: Size: 2 3/8" Set At: 4800' Packer At: None Liner Run:  Yes  No

Date of First, Resumed Production, SWD or Enhr. To be determined Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease. (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	PRODUCTION INTERVAL: 4848-4922 OA
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



Customer <i>M &amp; M Exploration</i>	Lease No.	Date <i>11-16-08</i>
Lease <i>2-BAC</i>	Well # <i>24-1</i>	
Field Order # <i>19185</i>	Station <i>Pratt</i>	Casing <i>8 5/8</i>
	Depth <i>114</i>	County <i>BARBER</i>
Type Job <i>CDW 8 5/8 Surface</i>	Formation	Legal Description <i>24-34-15</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	<i>16</i>
Depth <i>114</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>36</i>	Volume	From	To	Pad	Min		<b>KCC</b>	
Max Press <i>500</i>	Max Press	From	To	Frac	Avg		<b>MAR 09 2009</b>	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		<b>CONFIDENTIAL</b>	Annulus Pressure
Plug Depth <i>114</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: \_\_\_\_\_ Station Manager: *DAVE SCOTT* Treater: *Robert Jullian*

Service Units	<i>19867</i>	<i>19806</i>	<i>19832</i>	<i>21010</i>				
Driver Names	<i>Sullivan</i>	<i>Schalinski</i>	<i>Frasman</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0715</i>					<i>on loc Soli7 meeting</i>
					<i>Run 23 JTS 24 8 5/8 CASING</i>
<i>0720</i>					<i>CASING ON BOTTOM</i>
<i>0735</i>					<i>Hook Key Break wire</i>
	<i>200</i>			<i>5</i>	<i>Start Cmt 150 sk com 2% 3% cc</i>
<i>0800</i>			<i>36</i>		<i>Shut down @ Release Plug</i>
<i>0802</i>				<i>45</i>	<i>Stop Pump</i>
<i>0815</i>	<i>300</i>		<i>56</i>		<i>Plug down NO circulation</i>
					<i>Start mix cmt 1" TOP 200'</i>
					<i>mix of 125 sk com 2% 3% cc 1/2 lb</i>
<i>0835</i>	<i>0</i>		<i>26</i>		<i>Shut down cmt IN Cellar</i>
<i>0900</i>					<i>Job Complete</i>
					<i>Job Complete</i>
					<i>Thank you</i>

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# BASIC

energy services, L.P.

Discretionary 11/16/08 to 10/11/08  
Telephone 11/4 S INTO

## TREATMENT REPORT

Customer: <i>M. M. Explorations</i>	Lease No.	Date
Lease: <i>Z BAR</i>	Well #: <i>24-1</i>	<i>11-16-08</i>
Field Order #: <i>19184</i>	Station: <i>PR-4</i>	Casing: <i>13 3/8</i>
Type Job: <i>CNW 13 3/8 conductor</i>	Depth: <i>262</i>	County: <i>BARBER</i>
	Formation	State: <i>KS</i>
		Legal Description: <i>24-24-15</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	cmf	Acid	RATE	PRESS	ISIP	
<i>13 3/8</i>				<i>250 sk com 2% 3% cc</i>				
Depth: <i>262'</i>	Depth	From	To	Pres Pad: <i>15 1/2 HPL</i>	Max		5 Min	
Volume: <i>38</i>	Volume	From	To	Pad: <i>1.36 ft</i>	Min		10 Min	
Max Press: <i>500</i>	Max Press	From	To	Frac	Avg		15 Min	
Well Connection: <i>square</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth: <i>242'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

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Customer Representative	Station Manager: <i>DAVE SCOTT</i>	Treater: <i>Robert Jullien</i>
Service Units: <i>19867 19903 19905 19831 19862</i>		
Driver Names: <i>Sullivan matel FIREMAN chad</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0900</i>	<i>0m</i>				<i>OD Loc Set up ready</i>
					<i>Run 6 J.T.S 13 3/8 48 casing</i>
					<i>Basket #1</i>
<i>1250</i>					<i>CASING ON BOTTOM</i>
<i>0125</i>					<i>Hook Break circ</i>
<i>0135</i>	<i>300</i>		<i>5</i>	<i>4.5</i>	<i>Start 4" spacer</i>
				<i>6</i>	<i>Start lead cont 250 sk com 2% - 3% cc</i>
<i>0150</i>			<i>71</i>		<i>Start Disp</i>
<i>0200</i>	<i>300</i>		<i>38</i>	<i>4.5</i>	<i>plug down LIT 40' Plug</i>
					<i>circulated 18 BBL cont to pit</i>
					<i>job complete</i>
					<i>Thank you</i>

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# ALLIED CEMENTING CO., LLC. 042768

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Mudstone Lodge

DATE <u>11-26-08</u>	SEC. <u>ZY</u>	TWP. <u>34S</u>	RANGE <u>15W</u>	CALLED OUT <u>5:00pm</u>	ON LOCATION <u>11:00pm</u>	JOB START <u>8:00am</u>	JOB FINISH <u>9:30am</u>
LEASE <u>Z-Bar</u>	WELL# <u>Z4-1</u>	LOCATION <u>North Deerhead Rd. S. to lobby</u>			COUNTY <u>Butler</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one) <u>NEW</u>		Creek Rd. 47E, 11/500E					

CONTRACTOR Southwind  
 TYPE OF JOB production  
 HOLE SIZE 7 7/8 T.D. 5307'  
 CASING SIZE 4 1/2 DEPTH 5223  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 2100 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 20  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 83 BPL @ 70% KCl H<sub>2</sub>O

OWNER MM Exploration  
 CEMENT AMOUNT ORDERED 655x Cap/wh/4  
2503x 11 7/8% cement - 500 + 10% salt water - 500  
500 + 5% + 10% + 7 7/8" Placed - 400 - 900  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Mark Clegg  
 # \_\_\_\_\_ HELPER Craig G.  
 BULK TRUCK # 421 DRIVER Scott P.  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

per parambaton layout 1.00 plus 2.00/15.00  
in 450 x 6 depth in 250' to 1.500'  
we go past it and release plug. Plug  
is 70% KCl salt water @ 75 BPL. By graph  
1000 @ 23' depth. Fluid did

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HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_  
 SERVICE \_\_\_\_\_

DEPTH OF JOB 5307'  
 PUMP TRUCK CHARGE \_\_\_\_\_ @ \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD Head Rent \_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: MM Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

1- Life Line Assm @ \_\_\_\_\_  
1- Basket @ \_\_\_\_\_  
1- AF 7 7/8" 1.500' @ \_\_\_\_\_  
6- Tubulars @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Alan Vratil  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

\$  
Est. 10,258.06