

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

12/31/08
Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 31885
Name: M & M Exploration, Inc.
Address: 60 Garden Center, Suite 102
City/State/Zip: Broomfield, CO 80020
Purchaser: M & M Exploration, Inc.
Operator Contact Person: Mike Austin
Phone: (303) 438-1991
Contractor: Name: Southwind Drilling LLC
License: 33350
Wellsite Geologist: Mike Pollok

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

<u>Sept. 12, 2007</u>	<u>Sept. 21, 2007</u>	<u>Nov. 3, 2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23190-0000
County: Barber
 NW SW Sec. 15 Twp. 34 S. R. 15 East West
1900 feet from (S) / N (circle one) Line of Section
800 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Z Bar Well #: 15-12
Field Name: Cottage Creek

Producing Formation: _____
Elevation: Ground: 1662 Kelly Bushing: 1671
Total Depth: 5050 Plug Back Total Depth: 5016
Amount of Surface Pipe Set and Cemented at 908 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

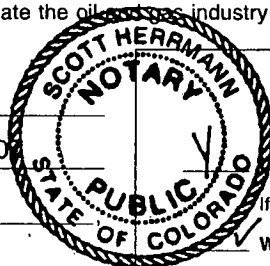
Drilling Fluid Management Plan AMJ NH 8-25-08
(Data must be collected from the Reserve Pit)

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: [Signature]
Title: President Date: December 21, 2007
Subscribed and sworn to before me this 21 day of December
20 07
Notary Public: [Signature]



KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

My Commission Expires
MAY 14, 2011

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 02 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: M & M Exploration, Inc. Lease Name: Z Bar Well #: 15-12
 Sec. 15 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 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:

Induction, Density/Neutron, MicroLog, Sonic

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Heebner Shale	4010	-2339
Lansing	4214	-2543
Cherokee Shale	4810	-3139
Mississippian	4836	-3165

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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
Conductor	30"	20"		60'	60/40	250	2% gel, 3% cc
Surface	12 1/4"	8 5/8"	24#	908'	65/35 & CL A	325 & 150	3% cc, 2% gel
Production	7 7/8"	5 1/2"	15.5#	5047'	Class H	200	10% gyp, 10% salt

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				

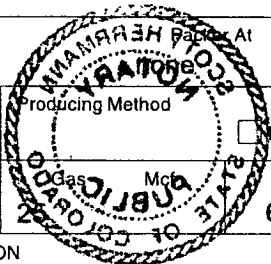
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	4980-84', 4972-77', 4952-60', 4944-46', 4939-41', 4922-30', 4864-74', 4847-60'	3000 Gal 15% MCA Frac 5336 BW + 50,000# sand	

TUBING RECORD		Size	Set At	Liner Run
		2 3/8"	4991'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method		
November 3, 2007		<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.	Water Bbls.	Gas-Oil Ratio	Gravity
0		60		

Disposition of Gas Vented Sold Used on Lease
 (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perm. Dually Comp. Commingled Other (Specify) _____

Production Interval 4847-4984 OA



M & M EXPLORATION, INC.

60 GARDEN CENTER, SUITE 102
BROOMFIELD, CO 80020-1022

Phone (303)438-1991
Fax (303)466-6227

December 31, 2007

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DEC 31 2008
KCC

Kansas Corporation Commission
Oil & Gas Conservation Division
130 South Market - Room 2078
Wichita, KS 67202

RE: Submittal of ACO-1 on the Z Bar 15-12, NW/4 SW/4 SW/4 Section 15-34S-15W,
Barber County, Kansas. API No. 15-007-23190-0000

Please find enclosed the completed ACO-1 form for this well along with the following:

Allied Cementing Co., Inc. invoice # 31098
Allied Cementing Co., Inc. invoice # 31204
Allied Cementing Co., Inc. invoice # 31260
High Resolution Induction Log
Borehole Compensated Sonic Log
Spectral Density Dual Spaced Neutron Micro Log
GeoDynamic Mud log
Trilobite Testing, Inc. Report

PLEASE HOLD ALL OF THIS INFORMATION CONFIDENTIAL. If you have any questions, please give me a call.

Sincerely,



Mike Austin
President

Enclosures

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 02 2008
CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

31098

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

SERVICE POINT:
Medicine Lodge, KS

DATE <i>30 Aug 07</i>	SEC. <i>15</i>	TWP. <i>34s</i>	RANGE <i>15w</i>	CALLED OUT <i>9:30 AM</i>	ON LOCATION <i>11:00 AM</i>	JOB START <i>12:45 PM</i>	JOB FINISH <i>1:45 PM</i>
LEASE <i>2-Bar</i>	WELL # <i>15-12</i>	LOCATION <i>160 & Denehead Rd, 15s, 1 1/8 E,</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)			<i>s/into</i>				

CONTRACTOR *Koda Dalg.*

TYPE OF JOB *Conductor*

HOLE SIZE *34"* T.D. *63*

CASING SIZE *20"* DEPTH *60*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX *150* MINIMUM *-*

MEAS. LINE _____ SHOE JOINT *N/A*

CEMENT LEFT IN CSG. *15*

PERFS. _____

DISPLACEMENT *16 Bbls Fresh H₂O*

EQUIPMENT _____

PUMP TRUCK CEMENTER *D. Fd.*

343 HELPER *S. Kramer*

BULK TRUCK

363 DRIVER *M. Becker*

BULK TRUCK

_____ DRIVER _____

REMARKS:

*Pipe on 8" arm, Break Cmc., Mix 250 SX
Cement Blend, Disp. 16 Bbls total Fresh H₂O,
Shooting Cement D. & Cmc.*

CHARGE TO: *M & M Explo.*

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *[Signature]*

OWNER *M & M Explo.*

CEMENT AMOUNT ORDERED *250 SX 60:40:28 gel + 3% cc*

COMMON	<i>150 A</i>	@	<i>11.10</i>	<i>1665.00</i>
POZMIX	<i>100</i>	@	<i>6.20</i>	<i>620.00</i>
GEL	<i>4</i>	@	<i>16.65</i>	<i>66.60</i>
CHLORIDE	<i>8</i>	@	<i>46.60</i>	<i>372.80</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>262</i>	@	<i>1.90</i>	<i>497.80</i>
MILEAGE	<i>34 X 262 X .09</i>			<i>801.72</i>
TOTAL				<i>4023.92</i>

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KCC

SERVICE

DEPTH OF JOB	<i>60</i>			
PUMP TRUCK CHARGE				<i>815.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>34</i>	@	<i>6.00</i>	<i>204.00</i>
MANIFOLD		@		
		@		
		@		
TOTAL				<i>1019.00</i>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
ANY APPLICABLE TAX	@		

WILL BE CHARGED UPON INVOICING

TOTAL _____

TAX _____

TOTAL CHARGE *[scribble]*

DISCOUNT *[scribble]* IF PAID IN 30 DAYS

Ala Vratil

PRINTED NAME

RECEIVED
KANSAS CORPORATION COMMIS

JAN 02 2008

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

31204

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

SERVICE POINT:
Medicine Lodge, Ks.

DATE <u>9-13-07</u>	SEC. <u>15</u>	TWP. <u>34S</u>	RANGE <u>15W</u>	CALLED OUT <u>5:00 AM</u>	ON LOCATION <u>8:00 AM</u>	JOB START <u>2:30 PM</u>	JOB FINISH <u>3:30 PM</u>
LEASE <u>Z-BAR</u>	WELL # <u>15-12</u>	LOCATION <u>160 + Deerhead Rd., 1 1/2 St</u>			COUNTY <u>Barber</u>	STATE <u>KS.</u>	
OLD OR <u>NEW</u> (Circle one)		<u>Cottage Creek Rd., 1 1/8 E, S INTO</u>					

CONTRACTOR Southwind #2
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4" T.D. 910'
 CASING SIZE 8 5/8" 24# DEPTH 908'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 900 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT 40'
 CEMENT LEFT IN CSG. 40'
 PERFS. _____
 DISPLACEMENT 56 1/4 BBL Fresh water

OWNER M+M Exploration
 CEMENT
 AMOUNT ORDERED 325 SK 65.35:6 + 3% CC + 1% Am. Chlor. + 1/4# Flo seal, 150 SK CLASS A + 3% CC + 2% GEL
 COMMON 150 A @ 11.10 1665.00
 POZMIX _____ @ _____ _____
 GEL 3 @ 16.65 49.95
 CHLORIDE 16 @ 46.60 745.60
 ASC _____ @ _____ _____
ALW 325 @ 10.45 3396.25
Flo Seal 81# @ 2.00 162.00
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 HANDLING 514 @ 1.90 976.60
 MILEAGE 34 x 514 x .09 1572.84
 TOTAL 8568.24

EQUIPMENT
 PUMP TRUCK # 414 CEMENTER Thomas DeMorrow
 HELPER Greg G.
 BULK TRUCK # 368 DRIVER Mike B.
 BULK TRUCK # 364 DRIVER Randy F.

REMARKS:
Pipe on Bottom, Break circulation, Pump 5 BBL Fresh water Ahead, Pump 325 SK 65.35:6 + 3% CC + 1% Am. Chlor. + 1/4# Flo seal, 150 SK CLASS A + 3% CC + 2% GEL, Stop Pumps, Release Plug, Start Displacement, see LIF +, slow rate, Bump Plug, Float Held, circulated cement to surface

CHARGE TO: M+M Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

SERVICE
 DEPTH OF JOB 910'
 PUMP TRUCK CHARGE 0-300' 815.00
 EXTRA FOOTAGE 610' @ .65 396.50
 MILEAGE 34 @ 6.00 204.00
 MANIFOLD _____ @ _____ _____
Head rent 1 @ 100.00 100.00
 _____ @ _____ _____
 TOTAL 1515.50

8 5/8" PLUG & FLOAT EQUIPMENT
 Guide shoe 1 @ 250.00 250.00
 AFU Insert 1 @ 335.00 335.00
 Centralizers 2 @ 55.00 110.00
 Basket 1 @ 220.00 220.00
 Top Rubber Plug 1 @ 100.00 100.00

ANY APPLICABLE TAX TOTAL 1015.00
 WILL BE CHARGED
 TAX UPON INVOICING
 TOTAL CHARGE [scribble]
 DISCOUNT [scribble] IF PAID IN 30 DAYS

SIGNATURE [Signature]
 RECEIVED
 PRINTED NAME _____
 KANSAS CORPORATION COMMISSION

JAN 02 2008
 CONSERVATION DIVISION
 WICHITA KS

ALLIED CEMENTING CO., INC.

31260

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

SERVICE POINT:

Medicine Lodge
9-28-07

DATE <u>9-21-07</u>	SEC. <u>15</u>	TWP. <u>34S</u>	RANGE <u>15W</u>	CALLED OUT <u>9:30 a.m</u>	ON LOCATION <u>1:00 A.M</u>	JOB START <u>8:30 A.M</u>	JOB FINISH <u>9:15 A.M</u>
LEASE <u>Z-Bar</u>	WELL # <u>15-12</u>	LOCATION <u>1600 Deerhead Rd. 1 1/2 South</u>			COUNTY <u>Becker</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			to <u>Cottage Creek Rd. 1 1/8 E. South into</u>				

CONTRACTOR Southwind 2 OWNER M + M Expl.

TYPE OF JOB <u>production</u>	AMOUNT ORDERED <u>200 SX H + 10% Gyp Seal</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>50</u>	<u>10% Salt + 8# Kol Seal + 1.8% of Fl-160 + 1/2#</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>50</u>	<u>1.8% Gas Block Deformer Clep 10-13 gel</u>
TUBING SIZE	DEPTH	<u>500 gal - mu-x-len 25 SX 60:40 H</u>
DRILL PIPE	DEPTH	COMMON <u>15</u> <u>A</u> @ <u>11.10</u> <u>166.50</u>
TOOL	DEPTH	POZMIX <u>10</u> @ <u>6.20</u> <u>62.00</u>
PRES. MAX	MINIMUM <u>-</u>	GEL <u>1</u> @ <u>16.65</u> <u>16.65</u>
MEAS. LINE	SHOE JOINT <u>20'</u>	FLORIDE <u>FLO SEAL 50</u> @ <u>2.00</u> <u>100.00</u>
CEMENT LEFT IN CSG.		<u>CIA P10 13 gal</u> @ <u>25.00</u> <u>325.00</u>
PERFS.		<u>Mud Clean 500 gal</u> @ <u>1.00</u> <u>500.00</u>
DISPLACEMENT <u>120 60lbs 20% KCl H2O</u>		<u>200 H</u> @ <u>13.40</u> <u>2680.00</u>

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EQUIPMENT		<u>Gyp Seal 19</u> @ <u>23.35</u> <u>443.65</u>
PUMP TRUCK CEMENTER <u>Mark Coley</u>		<u>Salt 22</u> @ <u>9.60</u> <u>211.20</u>
# <u>352</u> HELPER <u>C. J. W.</u>		<u>Kol Seal 1600</u> @ <u>.70</u> <u>1120.00</u>
BULK TRUCK		<u>Fl-160 151</u> @ <u>10.65</u> <u>1608.15</u>
# <u>363</u> DRIVER <u>Denny S.</u>		<u>Gas Block 150</u> @ <u>8.90</u> <u>1335.00</u>
BULK TRUCK		<u>De Foamer 28</u> @ <u>7.20</u> <u>201.60</u>
# DRIVER		HANDLING <u>308</u> @ <u>1.90</u> <u>585.20</u>
		MILEAGE <u>34 x 308 x .09</u> <u>942.48</u>
		TOTAL <u>10297.4</u>

REMARKS:

Pipe on bottom, break circ. Pump 500 gal mud clean, plug bot hole, plug mouse hole, mwa 200sx H + 10% Gyp Seal + 10% Salt + 8# Kol Seal + 1.8% Fl-160 + 1.8% G-B deformer. Stop wash pump lines, release plug. Dip w/ 20% KCl H2O. See lift @ 80 lbs. Slow rate. Bump plug 700 over @ 120 lbs. release float did hold

SERVICE

DEPTH OF JOB <u>50 1/2</u>	
PUMP TRUCK CHARGE	<u>1840.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>34</u>	@ <u>6.00</u> <u>204.00</u>
MANIFOLD Head Rental	@ <u>100.00</u> <u>100.00</u>
	@
	@

TOTAL 2144.00

CHARGE TO: M + M Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

5 1/2" PLUG & FLOAT EQUIPMENT

1- Latch Down Plug	@ <u>410.00</u>	<u>410.00</u>
1- Afu float shoe	@ <u>470.00</u>	<u>470.00</u>
10- Centralizers	@ <u>50.00</u>	<u>500.00</u>
1- loss bot	@ <u>165.00</u>	<u>165.00</u>

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING TOTAL 1545.00

TOTAL CHARGE ~~_____~~
DISCOUNT ~~_____~~ IF PAID IN 30 DAYS

SIGNATURE [Signature] PRINTED NAME Alan Vratil

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 02 2008