

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

2-01-12

OPERATOR: License # 31885

Name: M & M Exploration, Inc.

Address 1: 60 Garden Center, Suite 102

Address 2: _____

City: Broomfield State: CO Zip: 80020 + _____

Contact Person: Mike Austin

Phone: (303) 438-1991

CONTRACTOR: License # 33350

Name: Southwind Drilling LLC

Wellsite Geologist: Mike Pollok

Purchaser: ONEOK

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SIOW

☐ Gas ☐ ENHR ☐ SIGW

☐ CM (Coal Bed Methane) ☐ Temp. Abd.

☐ 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. ☐ Conv. to SWD

☐ Plug Back: _____ Plug Back Total Depth _____

☐ Commingled ☐ Docket No.: _____

☐ Dual Completion ☐ Docket No.: _____

☐ Other (SWD or Enhr.?) ☐ Docket No.: _____

10/10/2009 10/21/2009 1/4/2010

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - 007234540000

Spot Description: _____

NE SW NE SE Sec. 36 Twp. 33 S. R. 15 ☐ East ☒ West

1885 Feet from ☐ North / ☒ South Line of Section

720 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

County: Barber

Lease Name: Z Bar Well #: 36-9

Field Name: Aetna Gas Area

Producing Formation: _____

Elevation: Ground: 1818' Kelly Bushing: 1829'

Total Depth: 5150' Plug Back Total Depth: 5115'

Amount of Surface Pipe Set and Cemented at: 847 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 NS 2-10-10 A4I
(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: 180 bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: M & M Exploration, Inc.

Lease Name: Z Bar Cattle Co #1 License No.: 31885

Quarter NE Sec. 31 Twp. 33 S. R. 14 ☐ East ☒ West

County: Barber Docket No.: D30427

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: Paul M. Gite

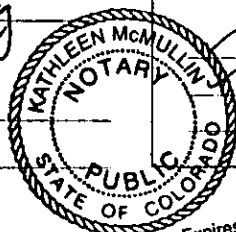
Title: President Date: February 1, 2010

Subscribed and sworn to before me this 1st day of February

20 10

Notary Public: Cathleen McMullin

Date Commission Expires: 6-13-2013



KCC Office Use ONLY

☒ Letter of Confidentiality Received

If Denied, Yes ☐ Date: _____

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

My Commission Expires
JUNE 13, 2013

Operator Name: **M & M Exploration, Inc.**Lease Name: **Z Bar**Well #: **36-9**Sec. **36** Twp. **33** S. R. **15** ☐ East ☒ WestCounty: **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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No

(Submit Copy)

List All E. Logs Run:

Induction, Density-Neutron, Microlog☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner Shale	4086	-2257
Cherokee Shale	4860	-3031
Mississippian	4928	-3099

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	17 1/2"	13 3/8"	48#	304'	Class A	225	2%gel,3%cc
Intermediate	12 1/4"	8 5/8"	24#	847'	Class A	260	2%gel,3%cc
Production	7 7/8"	5 1/2"	15.5#	5145'	Class H	215	10%gyp, 5%Koseal, 1/4# floeal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
0.5	4940-5004'	3000 Gal 15% MCA	
1	4901.5-4902.5, 4915-4939'	Frac w 6608 BW & 58,500# sand	

TUBING RECORD:	Size: 2 7/8"	Set At: 5022'	Packer At: None	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enfr. January 12, 2010	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. 5	Gas Mcf 30	Water Bbls. 80	Gas-Oil Ratio 6,000

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: 4901.5-5004' OA
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ALLIED CEMENTING CO., LLC. 042994

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

SERVICE POINT:
Medicine Lodge, KS

DATE <i>10-12-09</i>	SEC. <i>36</i>	TWP. <i>33s</i>	RANGE <i>15w</i>	CALLED OUT <i>5:00 AM</i>	ON LOCATION <i>7:30 AM</i>	JOB START <i>11:00 AM</i>	JOB FINISH <i>2:00 PM</i>
LEASE <i>2-Bar</i>	WELL # <i>36-9</i>	LOCATION <i>Deer head Rd, & cottage creek</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)		<i>4 1/4 E, 3 1/2 N, W & S into</i>					

CONTRACTOR *Southwind*
TYPE OF JOB *Surface intermediate*
HOLE SIZE *12 1/4* T.D. *850*
CASING SIZE *8 5/8* DEPTH *847*
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX *950* MINIMUM
MEAS. LINE SHOE JOINT *42*
CEMENT LEFT IN CSG. *42'*
PERFS.
DISPLACEMENT *5 1/2 Bbls Fresh H₂O*

EQUIPMENT

PUMP TRUCK CEMENTER *D. Felio*
360-265 HELPER *G. Grieve*
BULK TRUCK
381-250 DRIVER *S. Priddy*
BULK TRUCK
DRIVER

REMARKS:

*Pipe on Brrm, Break Cnc, Pump Spacer, Mix
150sx A+3%cc+2% gel cement, Stop Pump.
Release Plug, Start Disp. w/ Fresh H₂O, Wash
up on Plug, See increase in PSI, Slow Rate,
Bump Plug at 5 1/2 Bbls total
Disp., Release PSI, Float Displacement Pl not Cnc,
top off w/ 20sx A+3%cc Cement,
110*

CHARGE TO: *M & M Explo.*
STREET
CITY STATE ZIP

OWNER: *M & M Explo.*

CEMENT
AMOUNT ORDERED *150sx "A" + 3% cc + 2%
gel & 125sx A + 3% cc (used 110sx
A + 3% cement)* *110*

COMMON	<i>260gx</i>	@	<i>13.50</i>	<i>3,510.00</i>
POZMIX		@		
GEL	<i>3sx</i>	@	<i>20.25</i>	<i>60.75</i>
CHLORIDE	<i>8sx</i>	@	<i>51.50</i>	<i>412.00</i>
ASC		@		

RECEIVED KANSAS CORPORATION COMMISSION	@		
FEB 03 2010	@		
CONSERVATION DIVISION WICHITA, KS	@		
HANDLING	<i>130sx</i>	@	<i>2.25</i> <i>292.50</i>
MILEAGE	<i>130sx X 10 X .10 =</i>		<i>130.00</i>

TOTAL *4,405.25*

SERVICE

DEPTH OF JOB	<i>847</i>		
PUMP TRUCK CHARGE			<i>991.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>10</i>	@	<i>7.00</i> <i>70.00</i>
MANIFOLD		@	

TOTAL *1,061.00*

PLUG & FLOAT EQUIPMENT

1- TRP	@	<i>102.00</i>	<i>102.00</i>
1- Basket	@	<i>221.00</i>	<i>221.00</i>
1- AFV insert	@	<i>158.00</i>	<i>158.00</i>
	@		

TOTAL *481.00*

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

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 *Alan Vratil*

ALLIED CEMENTING CO., LLC. 042558

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Medicine Lodge

DATE <i>10-21-09</i>	SEC. <i>36</i>	TWP. <i>33S</i>	RANGE <i>15W</i>	CALLED OUT <i>2:00 p.m.</i>	ON LOCATION <i>6:00 p.m.</i>	JOB START	JOB FINISH
LEASE <i>2-Bar</i>	WELL # <i>36-9</i>	LOCATION <i>Deerhead Rd., 155, 4 1/4 E,</i>				COUNTY <i>Barber</i>	STATE <i>KS.</i>
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<i>3 1/2 N, w/s into</i>					

CONTRACTOR *Southwind*

TYPE OF JOB *production*

HOLE SIZE *7 7/8* T.D. *5150*

CASING SIZE *5 1/2* DEPTH *5151*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *1800* MINIMUM *-*

MEAS. LINE SHOE JOINT *21*

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *173 1/4 BBLs fresh 2% LCI*

EQUIPMENT

PUMP TRUCK CEMENTER *Mark C.*

414-302 HELPER *Dennis F.*

BULK TRUCK

353-290 DRIVER *Scott P.*

BULK TRUCK

DRIVER

REMARKS:

*rip on bottom, break circ. pump
wash mix 2155xH. stop, with
pump line, release plug. Dip w/ fresh
H2O @ 6:00am. See LTR. slow rate.
Bump plug 1000 over @ 172 1/4 BBLs.
release. float did hold*

CHARGE TO: *m+m*

STREET

CITY STATE ZIP

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 *x Alvin Ratliff*

SIGNATURE *x [Signature]*

OWNER *M+M*

CEMENT

AMOUNT ORDERED *215.5x H + 10.2 gyp + 10.90
Salt + 6.00 Kol-Sed + 1/4 # F10-Sed + .5 %
H-160*

COMMON <i>H 215 SX @ 16.75</i>		<i>3601.25</i>
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<i>Salt 23 SX @ 12.00</i>		<i>276.00</i>
<i>Bypseal 20 SX @ 26.05</i>		<i>521.00</i>
<i>H-160 75# @ 11.80</i>		<i>885.00</i>
<i>Floresal 54# @ 2.45</i>		<i>132.30</i>
<i>Clapnet 12 gals @ 30.40</i>		<i>364.80</i>
<i>Kolseal 1590# @ .85</i>		<i>1096.50</i>
	@	
	@	
HANDLING <i>110</i>	@ <i>2.25</i>	<i>247.50</i>
MILEAGE <i>110/10/10</i>		<i>110.00</i>
TOTAL		<i>7233.35</i>

SERVICE

DEPTH OF JOB <i>5151</i>		
PUMP TRUCK CHARGE		<i>1500.00</i>
EXTRA FOOTAGE	@	
MILEAGE <i>10</i>	@ <i>7.00</i>	<i>70.00</i>
MANIFOLD	@	
	@	
	@	
TOTAL		<i>1570.00</i>

PLUG & FLOAT EQUIPMENT

<i>1-AFV Float Shre</i>	@	<i>214.20</i>
<i>1-Latch Down Assm</i>	@	<i>163.30</i>
<i>1-Basket</i>	@	<i>161.00</i>
<i>6-Contralizers</i>	@ <i>33.00</i>	<i>198.00</i>
	@	
TOTAL		<i>737.00</i>

SALES TAX (If Any)

TOTAL CHARGES *[Signature]*

DISCOUNT *[Signature]* IF PAID IN 30 DAYS