

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

6/19/10

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: _____

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: Associated Petroleum Consultants
Well Name: Z Bar Cattle Co. #1
Original Comp. Date: 3/26/77 Original Total Depth: 4830'
 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.: D-30,427
May 18, 2009 May 29, 2009 June 18, 2009
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

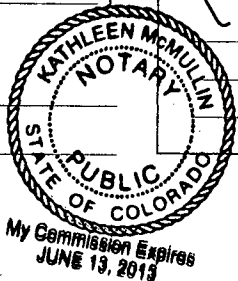
API No. 15 - 007-20484-00-01
Spot Description: _____
C NE NE Sec. 31 Twp. 33 S. R. 14 East West
660 Feet from North / South Line of Section
660 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: Z Bar Cattle Co. Well #: #1
Field Name: Aetna
Producing Formation: _____
Elevation: Ground: 1699 Kelly Bushing: 1705
Total Depth: 5600 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: _____ 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 SWD 6/17/09
(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: Kathleen McMullin
Title: President Date: June 19, 2009
Subscribed and sworn to before me this 19th day of June
20 09
Notary Public: Kathleen McMullin
Date Commission Expires: 06-13-2013



KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
JUN 22 2009
KCC WICHITA



Operator Name: M & M Exploration, Inc. Lease Name: Z Bar Cattle Co. Well #: #1
 Sec. 31 Twp. 33 S. R. 14 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: <i>Rec'd ACOI w/ 1 logs</i> <i>Sonic Cont. Bond Log</i>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Woodford</td> <td>5040</td> <td>-3335</td> </tr> <tr> <td>Viola</td> <td>5096</td> <td>-3391</td> </tr> <tr> <td>Simpson</td> <td>5235</td> <td>-3530</td> </tr> <tr> <td>Bergen Sand</td> <td>5331</td> <td>-3626</td> </tr> <tr> <td>Arbuckle</td> <td>5346</td> <td>-3641</td> </tr> </table>	Name	Top	Datum	Woodford	5040	-3335	Viola	5096	-3391	Simpson	5235	-3530	Bergen Sand	5331	-3626	Arbuckle	5346	-3641
Name	Top	Datum																	
Woodford	5040	-3335																	
Viola	5096	-3391																	
Simpson	5235	-3530																	
Bergen Sand	5331	-3626																	
Arbuckle	5346	-3641																	

10/21/04

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
Production	7 7/8"	5 1/2"	15.5#	5350'	Class H	200	10%gyp, 6# kol-seal
							1/4# flowseal, .5% FL-160

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>5306'</u> Packer At: <u>5306'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. To be determined		Producing Method: <input type="checkbox"/> Flowing <input 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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5350-5600' OH</u>
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CEMENTING LOG

CONFIDENTIAL

STAGE NO. JUN 18 2009

Date 05 30 09 District Med. ledge 17 Ticket No. 34121
 Company M&M Rig Southwind #2
 Lease Z-Bone Cattle Co. Well No. 1-SWD
 County Barber State KS
 Location Cottage Creek Rd. 4.2E Field 31-335-14W
3/4 N/E into

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 Collar _____

LEAD: Pump Time _____ hrs. Type _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type H + 10% SYP + 10%
Set #6 # Nelson + 1/4 # Flow Seal + 5% FC160
 Amt. 215 Skys Yield 1.55 ft³/sk Density 14.8 PPG _____
 WATER: Lead _____ gals/sk Tail 7.3 gals/sk Total _____ Bbls. _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5600 ft. P.B. to 5355 ft.

Pump Trucks Used 372
 Bulk Equip. 421-291

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer I-R
 Shoe: Type Packer Shoe Depth _____
 Float: Type Latchdown Plug Assfy. Depth _____
 Centralizers: Quantity 6 Plugs Top LTD Btm. _____
 Stage Collars _____
 Special Equip. 1- Basket
 Disp. Fluid Type 2% KCL Water Amt. 126K Bbls. Weight _____ PPG _____
 Mud Type Nat. VC Weight _____ PPG _____

COMPANY REPRESENTATIVE A. Vaatil

CEMENTER D. Fel...

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Pipe at 5355. Break Circ.
						Drop Ball, Set Packer Shoe
11:35Am	100		4.1		3	Plug Rat Hole w/ 15sx Cement Mix 200sx "H" Blend Cement
11:43Am	250		55			
12:00Pm						Stop Pump
12:01Pm	120		10		3	Wash Pump & Lines
12:09Pm						Release Plug
12:07Pm	200				6	Start Disp. w/ 2% KCL water See increase in lift
12:22Pm	600		85		6	
12:28Pm	1100		120		3	Slow Rate Bump Plug
12:30Pm	1800		126K		3	
						Release PST, Float Did H. / W

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 JUN 22 2009
 KCC WICHITA

JUN 19 2009

KCC

ALLIED CEMENTING CO., LLC. 34121

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Medicine Lodge, KS

DATE 05-30-09	SEC. 31	TWP. 33S	RANGE 14W	CALLED OUT 3:00 AM	ON LOCATION 7:00 AM	JOB START 11:30	JOB FINISH 12:30 PM
LEASE Z-Bar Cattle Co.	WELL # 1-SWD	LOCATION 201 & Deenhead Rd, s to Cottage Creek Rd, 4.2 E, 3 1/2 N/E to rig	COUNTY Barber	STATE KS			
OLD OR NEW (Circle one) NEW							

CONTRACTOR **Southwind #2** OWNER **M & M**

TYPE OF JOB **Production Casing**

HOLE SIZE **7 7/8** T.D. **5600**

CASING SIZE **5 1/2** DEPTH **5355**

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX **1800** MINIMUM **-**

MEAS. LINE SHOE JOINT **21**

CEMENT LEFT IN CSG. **21'**

PERFS.

DISPLACEMENT **12 6/8 Bbls 2% KCL water**

CEMENT AMOUNT ORDERED **215 sx "H" + 10% gyp + 10% Salt + 6# Kolseal + 1/4# Floseal + .5% FL-11**

\$12 gals Clapno

COMMON Class "H" 215	@ 16.75	3601.25
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
Gyl-Seal 20sx	@ 29.20	584.00
SqIT 23sx	@ 12.00	276.00
Kol-Seal 1290#	@ .87	1148.10
Flo-Seal 54#	@ 2.50	135.00
FL-160 75#	@ 13.30	997.50
	@	
	@	
	@	
HANDLING 215 sx	@ 2.40	516.00
MILEAGE 215 X 10 X .10 =		312.00
		TOTAL 7569.85

REMARKS:

Pipe at 5355 Break Circ., drop ball, set Packer Shoe, Plug Rat Hole w/ 205 sx cement, mix 200 sx "H" cement Blend, Stop Pump, Wash Pump & Lines, Release Plug, Start Disp. w/ 2% KCL Water, See increase in lift, Slow Rate

Bump Plug at 12 6/8 Bbls total Disp., Release PST, Float Did Hold

CHARGE TO: **M & M Explo.**

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 5355		
PUMP TRUCK CHARGE		2000.00
EXTRA FOOTAGE	@	
MILEAGE 10	@ 7.00	70.00
MANIFOLD	@	
	@	
	@	
		TOTAL 2070.00

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PLUG & FLOAT EQUIPMENT

1- Packer Shoe	@ 930.00	930.00
1- Basket	@ 161.00	161.00
6- centralizers	@ 33.00	198.00
1- Latch down Plug Assy	@ 163.80	163.80
	@	
		TOTAL 1452.80

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 West**

SIGNATURE **Alan West**

SALES TAX (If Any) _____

TOTAL CHARGES **1452.80**

DISCOUNT _____ IF PAID IN 30 DAYS