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

OPERATOR: License # 31885	API No. 15 - 007235720000
Name: M & M Exploration, Inc.	Spot Description:
Address 1: 60 Garden Center, Suite 102	E/w _NW _NW _SW Sec. 31 Twp. 33 S. R. 14 East / West
Address 2:	
City: Broomfield State: CO Zip: 80020 +	Feet from East / West Line of Section
Contact Person:Mike_Austin	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 438-1991	□NE □NW □SE ☑SW
CONTRACTOR: License #_33350	County: Barber
Name:Southwind Drilling LLC And C	Lease Name: Z Bar Well #: 31-12
Wellsite Geologist: Mike Pollok	Field Name: Aetna Gas Area
Name: Southwind Drilling LLC Wellsite Geologist: Mike Pollok Purchaser: ONEOK Designate Type of Completion:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 1824' Kelly Bushing: 1833'
New Well Re-Entry Workover	Total Depth: 5150' Plug Back Total Depth: 5094'
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 306 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set:Feet
Orther (Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from:
If Workover/Re-entry: Old Well Info as follows:	feet depth to:w/sx cmt.
Operator:	Drilling Cluid Management Disp.
Well Name:	Drilling Fluid Management Plan (Dala must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:180bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:
Plug Back: Plug Back Total Depth	
Commingled Docket No.:	Location of fluid disposal if hauled offsite:
Dual Completion	Operator Name: M & M Exploration, Inc.
Other (SWD or Enhr.?) Docket No.:	Lease Name: Z Bar Cattle Co #1 License No.: 31885
July 22, 2010 July 30, 2010 October 5, 2010	Quarter NE Sec. 31 Twp.33 S. R. 14 ☐ East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Barber Docket No.: D30427
Kansas 67202, within 120 days of the spud date, recompletion, workover or co of side two of this form will be held confidential for a period of 12 months if req	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, priversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information quested in writing and submitted with the form (see rule 82-3-107 for confidential report shall be attached with this form. ALL CEMENTING TICKETS MUST rem with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate t are complete and correct to the best of my knowledge.	he oil and gas industry have been fully complied with and the statements herein
Signature: Inlush	KCC Office Use ONLY
	KCC Office use ONLY
and Name of the	Letter of Confidentiality, Regeived 11 8 10 - 11 8 11
Subscribed and sworn to before me this 8th day of 100000000000000000000000000000000000	\ \ \ \ \ \
20 10	Wireline Log Received RECEIVED
Notary Public: Wellen M. M. M. M. C.	Geologist Report Received NOV 1 0 2010
Date Commission Expires: 6.13.2013	TYPE Expires
My Con	NE 13, 2013 KCC WICHITA

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Side Two

Operator Name: M & M Exploration, Inc. ______Well #: 31-12 County: Barber Sec. 31 Twp. 33 S. R. 14 East West 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. Formation (Top), Depth and Datum Sample **√** Log ☐ Yes **V** No **Drill Stem Tests Taken** (Attach Additional Sheets) Datum Name Top ✓ No -2257 Yes 4090 Samples Sent to Geological Survey Heebner Shale -3028 4861 ☐ Yes **✓** No Cherokee Shale Cores Taken ✓ Yes □No Electric Log Run -3091 4925 Mississippian (Submit Copy) List All E. Logs Run: Induction, Density-Neutron, Microlog CASING RECORD ✓ New Used Report all strings set-conductor, surface, intermediate, production, etc. Type and Percent # Sacks Size Hole Size Casing Weight Setting Type of Purpose of String Used Additives Drilled Cement Set (In O.D.) Lbs. / Ft. Depth 2%gel,3%cc 3061 280 Class A Surface 17 1/2" 13 3/8" 48# 250 Production 4 1/2" 11.6# 5139' Class H 10% gyp, 10% salt, 6#kolsea 7 7/8" 1/4# floseal, .5% fl-160 ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type and Percent Additives #Sacks Used Type of Cement Top Bottom . Perforate Protect Casing Plug Back TD Plug Off Zone Acid, Fracture, Shot, Cement Squeeze Record PERFORATION RECORD - Bridge Plugs Sel/Type Specify Footage of Each Interval Perforated Shots Per Foot Depth (Amount and Kind of Material Used) 2500 gal 15% MCA 4906-11', 4919-34', 4940-65', 5010-22' Frac w 5196 BW & 100,000# sand Packer At: Liner Run: Set At: TUBING RECORD: Size: **V** No Yes 5045 None 2 3/8" Producing Method: Date of First, Resumed Production, SWD or Enhr. Pumping Gas Lift Other (Explain) ☐ Flowing October 5, 2010 Gas-Oil Ratio Gravity Water Bbls Oil Bbls. Gas Mcf **Estimated Production** Per 24 Hours 80 8,000 5 40 METHOD OF COMPLETION: PRODUCTION INTERVAL: DISPOSITION OF GAS: 4906-5022' OA Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Vented Other (Specify) (If vented, Submit ACO-18.)

BASIC 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 **02218**

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NOV P8 2010

TREATMENT REPORT

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ALLIED CEMENTING CO., LLC. 037029

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