CORRECTION #1 [redacted]

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1306961

Form ACO-1
November 2016
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9855
Name: Grand Mesa Operating Company
Address 1: 1700 N WATERFRONT PKWY BLDG 600
Address 2:
City: WICHITA State: KS Zip: 67206 + 5514
Contact Person: Michael J. Reilly
Phone: (316) 265-3000
CONTRACTOR: License # 32970
Name: H-D Oilfield Service, Inc.
Wellsite Geologist: None
Purchaser: NCRA

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☑ Workover

☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator: Grand Mesa Operating Company
Well Name: Foos #5-36
Original Comp. Date: 05/29/2010 Original Total Depth: 4400

☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☑ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

09/10/2015 (Spud Date or Recompletion Date)
(Date Reached TD)
09/17/2015 (Completion Date or Recompletion Date)

API No.: 15-135-25065-00-01
Spot Description:
_ - NE - NW - SW Sec. 36 Twp. 18 S. R. 22 ☐ East ☑ West
2935 Feet from ☑ North / ☐ South Line of Section
1051 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ness
Lease Name: Foos Well #: 5-36
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2148 Kelly Bushing: 2153
Total Vertical Depth: 4400 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1410 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
(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 #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 10/12/2015
☑ **Confidential Release Date:** 10/11/2017
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 05/18/2016

CORRECTION #1 [redacted]
Page Two

1306961

Operator Name: Grand Mesa Operating Company Lease Name: Foos Well #: 5-36

Sec. 36 Twp. 18 S. R. 22 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geolgist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
No new tops	N/A	N/A

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

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	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	0		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top: 4239-4254 Bottom:

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD:	Size:	Set At:	Packer At:
	2.875	4305	

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Foos 5-36
Doc ID	1306961

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives

Summary of Changes

Lease Name and Number: Foos 5-36

API/Permit #: 15-135-25065-00-01

Doc ID: 1306961

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	10/13/2015	05/18/2016
Date of First or Resumed Production or SWD or Enhr	09/17/2015	
Method Of Completion - Other	No	Yes
Method Of Completion - Other Detail		T/A 5/11/16
Producing Method Pumping	Yes	No
Production - Barrels of Water	200	0
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1267199	../../kcc/detail/operatorEditDetail.cfm?docID=1306961
Temporarily Abandoned	No	Yes

Confidentiality Requested:
☑ Yes ☐ No

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1267199

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9855
Name: Grand Mesa Operating Company
Address 1: 1700 N WATERFRONT PKWY BLDG 600
Address 2:
City: WICHITA State: KS Zip: 67206 + 5514
Contact Person: Michael J. Reilly
Phone: (316) 265-3000
CONTRACTOR: License # 32970
Name: H-D Oilfield Service, Inc.
Wellsite Geologist: None
Purchaser: NCRA

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☑ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator: Grand Mesa Operating Company
Well Name: Foos #5-36
Original Comp. Date: 05/29/2010 Original Total Depth: 4400

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☑ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

09/10/2015		09/17/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25065-00-01
Spot Description:
_ - NE - NW - SW Sec. 36 Twp. 18 S. R. 22 ☐ East ☑ West
2935 Feet from ☑ North / ☐ South Line of Section
1051 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ness
Lease Name: Foos Well #: 5-36
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2148 Kelly Bushing: 2153
Total Vertical Depth: 4400 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1410 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
(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 #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 10/12/2015
☐ **Confidential Release Date:**
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 10/13/2015

Operator Name: Grand Mesa Operating Company Lease Name: Foos Well #: 5-36

Sec. 36 Twp. 18 S. R. 22 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geologist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
No new tops	N/A	N/A

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

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	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
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Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	0		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top: 4239-4254 Bottom:

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD:	Size:	Set At:	Packer At:
	2.875	4305	

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Foos 5-36
Doc ID	1267199

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
		500gals 10% NE/FE Acid	4239-4254
		50sxs 20/40 Sand	4239-4254
		11,750gals of ProGel LG 250 Frac water	

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Foos 5-36
Doc ID	1267199

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Grand Mesa Operating	Lease No.	Date: 9-14-15
Lease: Foos	Well #: 5-36	
Field Order #: 12811	Station: Pratt KS	Casing: 5 1/2 15.5	Depth	County: Ness	State: KS
Type Job: Prejel LG 250 Frac 1 Stage Oil	Formation: Missi	Legal Description: 36-18S-22W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME			
Casing Size 5 1/2 15.5	Tubing Size 2 7/8	Shots/Ft 6	90 holes	Acid 500 gallon 15% NE/FE		RATE	PRESS	ISIP 2019
Depth	Depth	From 4239	To 4254	Pre Pad	Max	12.1	4141	5 Min. 591
Volume	Volume 26.78	From	To	Pad 4600 gallon Prejel LG 250	Min	11.7	2519	10 Min. 219
Max Press	Max Press 3000	From	To	Frac 5975 gallon Prejel LG 250	Avg	11.8	2746	15 Min. 42
Well Connection 2 7/8	Annulus Vol. 66.2	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth 4190	From	To	Flush 1175 gallon Prejel LG 250	Gas Volume			Total Load 298

Customer Representative: John Johnson | Station Manager: Kevin Gordley | Treater: Anthony, Bailey, [illegible]

Service Units	19602 38544	21953 19959	79963 70767	19826 19902	19900 19853	19892	75775	74868	83354	86531
Driver Names	Daryl	Chuck	Aaron	Sparky	Todd	BS	Adam	Jake	Justin	Bailey

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					on location, safety meeting, set up
10:29	4350				Prime up & pressure test
10:32	14			9.7	start 500 gallon Acid
10:33	290		5	2	Hole loaded
10:35	2714		7	5	Establish rate
10:36	2615		12	5.1	start 4600 gallon Pad
10:45	2646		56	12.1	Increase rate
10:51	2522		122	11.9	start 2000 gallon .5 20/40
10:53	2578		148	11.9	.5 20/40 on bottom
10:55	2591		171	11.8	start 3000 gallon 1# 20/40
10:57	2563		197	11.9	1# 20/40 on bottom
11:03	2962		220	11.9	start 1175 gallon Flush
11:06	2019		298	0	shut down job complete

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

BASIC ENERGY SERVICES

TREATMENT REPORT - PAGE 1

Date: 14-Sep-15

Well Name:	Location:	Customer Rep:	Field Order #
FOOS #5-36	SEC 36-18S-22W	JOHN JOHNSON	12811A

Stage:	Formation:	Treat Via:	Allowable Pressure Tbg	Allowable Pressure Csg	Well Type:
	MISSISSIPPI CHERT	TUBING		3,500	OIL

County:	State:	Well Age:	PackerType:	PackerDepth:	Csg Size:
NESS	KS	REWORK		4,190	5.5

Type Of Service: PROGEL LG 250 FRAC

Csg Depth	Tbg Size:	Tbg Depth:	Liner Size:
	2.875		

Customer Name: GRAND MESA OPERTING

Address:

Liner Depth:	Liner Top:	Liner Bot:	Total Depth:

Open Hole:	Csg Vol:	BHT:	
	25.78		

Remarks:

Perf Depths:		Perfs:	TotalPerfs:
4239	4254	90	

TIME	INJECTION RATE FLUID	INJECTION RATE N2/CO2	PRESSURE STP	PRESSURE ANNULUS	REMARKS	PROP (lbs)	FOAM/FLD (Bls)	FLUID (bbls)
10:29	0.0		4345		PSI TEST			
10:32	0.0		209		ST ACID 500 gal. 10% NEFE		500	12.0
10:33	0.0		988		HOLE LOADED			
10:35	3.9		2595		ESTABLISH RATE			
10:38	5.1		2677		ST PAD		4,600	110.0
10:38	5.3		2500		ACID ON BOTTOM			
10:43	4.2		2831		PAD ON BOTTOM			
10:45	11.5		2683		INCREASE RATE			
10:51	11.9		2518		ST .5#	1,000	2,000	49.0
10:53	11.8		2571		ON BOTTOM			
10:55	11.9		2589		ST 1#	4,000	3,975	99.0
10:57	11.9		2561		ON BOTTOM			
11:03	11.9		2955		ST FLUSH		1,175	28.0
11:08	0.0		1970		SHUT DOWN JOB COMPLETE			
11:11	0.0		595		5 MIN			
11:16	0.0		220		10 MIN			
11:21	0.0		42		15 MIN			
					Total:	5,000	12,250	298.0

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
11.9	9.0	4,366	2,653

50SK 20/40 SAND | 11,750 gal. PROGEL LG 250 GEL H_2O

Customer Acknowledgement:	Service Rating:	Treater:	PRODUCTS USED
	☐ Satisfactory ☐ Unsatisfactory	JACOB ANTHONY	