



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form AGO-1
June 2009

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, B600
Address 2:
City: Wichita State: KS Zip: 67206 + 5 5 1 4
Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Kent Matson
Purchaser: NCRA

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AUG 18 2015
CONSERVATION DIVISION
WICHITA, KS

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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:
Well Name:
Original Comp. Date: Original Total Depth:
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:
09/17/2011 09/28/2011 10/26/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 171-20833-00-00
Spot Description: 1387' FSL & 1812' FEL SWSEWSE
SW SE NW SE Sec. 16 Twp. 16 S. R. 33 East West
1,387 Feet from North / South Line of Section
1,812 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Scott
Lease Name: Doornbos Well #: 1-16
Field Name: Wildcat
Producing Formation: Atoka & Pleasanton Formations
Elevation: Ground: 3069 Kelly Bushing: 3074
Total Depth: 4845 Plug Back Total Depth: 4819
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2438 Feet
If Alternate II completion, cement circulated from: 2438
feet depth to: 0 w/ 300 sx cnt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 18500 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

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.

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.
Signature: [Signature]
Title: President Date: 1/13/2012

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: _____ Date: _____

Operator Name: Grand Mesa Operating Company Lease Name: Doornbos Well #: 1-16
 Sec. 16 Twp. 16 S. R. 33 East West County: Scott

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 complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CPDCN Micro Log; AI Shallow Focussed Elect Log; Micro Log; Sector Bond Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name _____ Top _____ Datum _____ See attached Form _____ _____ _____ _____
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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
Surface	12.25	8.625	23	220	Common	165	3% CC; 2% Gel
Production	7.875	5.50	15.5	4840	EA-2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2438	SMD	300	

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
4	4662-4666	600gals 15% HC-1 Acid w/additives	4662-4666
4	4373-4377	600gals 15% RWR-1 Acid w/additives	4373-4377
		1000gals 20% RWR-1 Acid w/additives	4373-4377

TUBING RECORD: Size: 2.875 Set At: 4800 Packer At: _____ Liner Run: Yes No

Date of First Resumed Production, SWD or ENHR: 01/25/2012
 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours: Oil Bbls. 20 Gas Mcf 0 Water Bbls. 5 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-1B.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4662-4666</u> <u>4373-4377</u>
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Doombos #1-16
API #15-171-20833-00-00
Sec. 16-16S-33W
Scott County, Kansas

Stone Corral	2425	+ 649
Bs/Stone Corral	2444	+ 630
Heebner	3982	- 907
Lansing	4024	- 950
Muncie Creek	4203	-1129
Stark Shale	4295	-1221
Marmaton	4405	-1331
Little Osage Shale	4536	-1462
Johnson	4628	-1554
Morrow Shale	4695	-1621
Morrow Sand	4723	-1649
Mississippian	4739	-1665
LTD	4845	

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AUG 18 2015

CONSERVATION DIVISION
WICHITA, KS



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 28217

LOCATION Oakley

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
9-17-11	3372	Doornbos 1-16	16	16	23	Scott												
CUSTOMER Grand Mesa Operations			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Calin</td> <td>Hardan</td> <td>Brooks</td> </tr> <tr> <td>439</td> <td>Cody</td> <td>Roots</td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Calin	Hardan	Brooks	439	Cody	Roots	
TRUCK #	DRIVER	TRUCK #					DRIVER											
463	Calin	Hardan	Brooks															
439	Cody	Roots																
MAILING ADDRESS																		
CITY	STATE	ZIP CODE																

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 220' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 220' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 15'
 DISPLACEMENT 12.9 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Murrin #24 Rig up + circulate
Mix 16 Sks com 390cc 290gel Displace 12 3/4 BBL
and shut in. Cement did circulate approx
4 BBL to pit. Plug Down 9:00 pm 9-17-11

Thanks Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1025 ⁰⁰	1025 ⁰⁰
5406	40	MILEAGE	5 ⁰⁰	200 ⁰⁰
5407A	7.76 ton	Ton mileage Delivery	158	490 ⁴⁰
11045	165 Sks	Class 'A' Cement	16 ⁸⁰	2772 ⁰⁰
1102	465 #	Calcium Chloride	.84	390 ⁶⁰
1118B	310 #	Bentonite	.24	74 ⁴⁰
		Subtotal		4952 ⁴⁰
		less 10% discount		4952 ⁴⁰
				4457 ¹⁶
		244324	SALES TAX	241.81
			ESTIMATED TOTAL	4698.92

Ravin 3737

AUTHORIZATION Anthony Martin TITLE Pusher Rig #24 DATE 9-17-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

JOB LOG

SWIFT Services, Inc.

DATE 28 SEP 11 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO. 1-16 LEASE 000rn005 JOB TYPE concrete long string TICKET NO. 22213

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175sk EA-2 - 300sk SMD
								45/4" pipe 5 1/2 15.5" casing 4819' plug back
								DVE 2438' #57 Btsh #2, #57
								Control valves 1,3,5,7,9,11,13,15,56 50' scratchers
	0900							on bc TRK 114
	0945							start 15.5" 5 1/2" in well
	1150							Drop ball circulate - ROTATE
	1210		12				200	Pump 500 gal MUDFLUSH
			20				200	Pump 20 bbl KCL flush
	1220	43	42				300	mix 175sk EA-2 @ 15.3 ppg
	1233							Drop 1st stage plug
								wash pump & lines
	1235	6 3/4	54				300	Displace plug w/ H ₂ O
		6 3/4	61				300	switch to mud
	1255	6 3/4	115				1500	LAND plug (6 3/4 @ 650)
								Release pressure to truck - dried up
	1258							Drop bomb - wash truck
	1313						1100	Open DV tool - 1100 psi
	1315							circulate
		6 3/4	20				300	Pump 20 bbl KCL flush
								plug RH-MH 30sk - 30sk
	1455	43	140					mix 250sk SMD @ 11.2 ppg
								Drop 2nd stage plug
		6 3/4	43				600	- cement to surface - 30sk topit -
	1545	6 3/4	58				2000	LAND plug
	1557							Release pressure to truck - dried up
	1600							Wash truck
	1625							Rack up
								job complete
								thru Steve Joe, Kelly & Phineas

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1st stage 175 EA-2
2nd stage 250 SMD mixed
30 topit

Acidizing Report

PRO-STIM CHEMICALS

Date 10-18-11

Customer <u>Grand Mesa</u>	Pro-Stim Chemical Yard <u>Dighton</u>	Pro-Stim Number <u>AG 58213</u>
Well Name & Number <u>Deerles 1-16</u>	Field	Formation <u>Spot 16ft</u>
County <u>Scott</u> State <u>KS</u>	BHT	YD
Interval		

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing Casing Annulus CTU Combination Plug Depth _____ Packer Depth _____

Casing Size:	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	GRD	WT	Spot
Casing Vol.	Tbg Vol <u>27</u>	Ann Vol	OH Vol	Total Displacement			
Maximum Pressure	Tubing	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions: 6000 gals HC-1 ACID 15%

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<u>1</u>	<u>Acid</u>		<u>Spot</u>	<u>1</u>			
<u>20</u>	<u>Acid</u>	<u>2.8</u>		<u>3.9</u>	<u>30</u>		
<u>24</u>	<u>Acid</u>	<u>2.8</u>		<u>14.2</u>	<u>30</u>		<u>Acid Done</u>
<u>29</u>	<u>Flush</u>	<u>0</u>		<u>29</u>	<u>70</u>		<u>Loaded</u>
<u>31</u>	<u>Flush</u>	<u>0</u>		<u>29</u>	<u>300</u>		
<u>37</u>	<u>Flush</u>	<u>0</u>		<u>29.1</u>	<u>500</u>		
<u>46</u>	<u>Flush</u>	<u>0</u>		<u>29.2</u>	<u>800</u>		<u>stagnating</u>
<u>1:05</u>	<u>Flush</u>	<u>0</u>		<u>29.5</u>	<u>1000</u>		
<u>1:21</u>	<u>Flush</u>	<u>.2</u>		<u>29.8</u>	<u>930</u>		
<u>1:17</u>	<u>Flush</u>	<u>.2</u>		<u>32</u>	<u>700</u>		
<u>1:18</u>	<u>Flush</u>	<u>.5</u>		<u>32.6</u>	<u>700</u>		
<u>1:23</u>	<u>Flush</u>	<u>.5</u>		<u>35</u>	<u>680</u>		
<u>1:37</u>	<u>Flush</u>	<u>.5</u>		<u>42</u>	<u>700</u>		<u>Done</u>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <u>2841</u>	Acid <u>1461</u>	Oil
Treating Prs.	Max <u>1000</u>	Final <u>700</u>	Avg.	ISIP <u>630</u>	5'SI <u>640</u> 10'SI <u>640</u> 15'SI <u>600</u>
Customer Representative	Pro-Stim Supervisor <u>Shannon M.</u>				

Pro-Stim Chemicals, LLC

P.O. Box 25
 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
10/27/2011	58273

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	10/18/2011	DOORBOS 1-16

Quantity	Item Code	Description	Price Each	Amount
600	15% HCl ACID	GALLONS	1.78	1,068.00
21	AS-290	GALLONS	32.46	681.66
6	RENAB	GALLONS	17.89	107.34
2	S-262	GALLONS	14.36	28.72
2	AC-307	GALLONS	18.61	37.22
2	AI-150	GALLONS	20.15	40.30
28	KCL BIOCID - 2%	BRLS	3.16	88.48
1	DUMP JOB		158.00	158.00T
4.5	TRUCK TIME	HOURS	95.00	427.50T
		Sales Tax - SCOTT CO.	8.30%	48.60

Received
 KANSAS CORPORATION COMMISSION
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 CONSERVATION DIVISION
 WICHITA, KS

Total \$2,685.82

Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com

AB

Acidizing Report

PRO-STIM CHEMICALS

Date 10-20-11

Customer <u>Grand Mesa</u>	Pro-Stim Chemical Yard <u>Dighton</u>	Pro-Stim Number <u>Ab 58289</u>
Well Name & Number <u>Dighton 1-16</u>	Field	Formation <u>Spot</u>
County <u>Scott</u>	State <u>K's</u>	Interval

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth
Casing Size: GRD WT Depth	Tubing Size: GRD WT Spot	
Casing Vol. Tbg Vol Ann Vol	OH Vol	Total Displacement
Maximum Pressure Tubing Casing	Proposed Pump Time	AOL Leave Loc

Special Instructions: 600 gals RWR-1 15% Acid

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<u>10</u>	<u>Acid</u>	<u>2.9</u>	<u>Spot</u>	<u>2</u>	<u>40</u>		
<u>20</u>	<u>Acid</u>	<u>2.9</u>		<u>14</u>	<u>40</u>		<u>Acid Gone</u>
<u>25</u>	<u>Flush</u>	<u>0</u>		<u>27</u>	<u>70</u>		<u>Loaded</u>
<u>27</u>	<u>Flush</u>	<u>0</u>		<u>27.2</u>	<u>300</u>		
<u>40</u>	<u>Flush</u>	<u>0</u>		<u>27.6</u>	<u>600</u>		<u>stagnating</u>
<u>54</u>	<u>Flush</u>	<u>0</u>		<u>28.3</u>	<u>800</u>		
<u>1:13</u>	<u>Flush</u>	<u>.2</u>		<u>29.8</u>	<u>900</u>		<u>broken</u>
<u>1:14</u>	<u>Flush</u>	<u>.2</u>		<u>30</u>	<u>620</u>		
<u>1:18</u>	<u>Flush</u>	<u>.7</u>		<u>31.7</u>	<u>700</u>		
<u>1:22</u>	<u>Flush</u>	<u>1.2</u>		<u>39</u>	<u>650</u>		
<u>1:27</u>	<u>Flush</u>	<u>1.2</u>		<u>41</u>	<u>650</u>		<u>done</u>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <u>27</u>	Acid <u>14</u>	Oil
Treating Pts.	Max <u>920</u>	Final <u>650</u>	Avg.	ISIP <u>530</u>	5'SI <u>450</u>
Customer Representative				10'SI <u>420</u>	15'SI <u>350</u>
			Pro-Stim Supervisor	<u>Shannon M.</u>	

Pro-Stim Chemicals, LLC

P.O. Box 25
Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
10/31/2011	58289

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	10/20/2011	DOORNBOS 1-16

Quantity	Item Code	Description	Price Each	Amount
600	RWR-1 15%	GALLONS	2.82	1,692.00
2	AR-630	GALLONS	25.79	51.58
27	KCL BIOCID - 2%	BRLS	3.16	85.32
1	DUMP JOB		158.00	158.00T
4	TRUCK TIME	HOURS	95.00	380.00T
		Sales Tax - SCOTT CO.	8.30%	44.65

			Total	\$2,411.55
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Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com

GO

Pro-Stim Chemicals, LLC

P.O. Box 25
Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
10/31/2011	58327

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	10/24/2011	DOORNBOS 1-16

Quantity	Item Code	Description	Price Each	Amount
1,000	RWR-1 20%	GALLONS	2.95	2,950.00
4	AR-630	GALLONS	25.79	103.16
1	DUMP JOB		158.00	158.00T
28	KCL BIOCIDE - 2%	BRLS	3.16	88.48
4	TRUCK TIME	HOURS	95.00	380.00T
		Sales Tax - SCOTT CO.	8.30%	44.65

Received
 KANSAS CORPORATION COMMISSION
AUG 18 2015
 CONSERVATION DIVISION
 WICHITA, KS

Total \$3,724.29

Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com