

3-7-09

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 9855
Name: Grand Mesa Operating Company
Address: 200 E. First St., Ste 307
City/State/Zip: Wichita, KS 67202
Purchaser: NCRA
Operator Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
Contractor: Name: Mallard JV, Inc.
License: 4958

Wellsite Geologist: Robert Petersen
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

<u>01/11/07</u>	<u>01/17/07</u>	<u>03/01/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 155-21518-00-00
County: Reno
100' E E/2 E/2 Sec. 3 Twp. 23 S. R. 10 East West
2,630 feet from (S) N (circle one) Line of Section
560 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KSU Well #: 2-3
Field Name: Wildcat
Producing Formation: Viola
Elevation: Ground: 1755' Kelly Bushing: 1760'
Total Depth: 3717' Plug Back Total Depth: 3706'
Amount of Surface Pipe Set and Cemented at 6jts @ 247' 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 ALPHIN 10-8-08
(Data must be collected from the Reserve Pit)
Chloride content 5,800 ppm Fluid volume 600 bbls
Dewatering method used Hauled free fluids - remainder evaporation
Location of fluid disposal if hauled offsite:
Operator Name: Grand Mesa Operating Company
Lease Name: KSU License No.: 9855
Quarter SE/4 Sec. 3 Twp. 23 S. R. 10 East West
County: Reno 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: [Signature] /RONALD N. SINCLAIR
Title: President Date: March 7, 2007

Subscribed and sworn to before me this 7TH day of 07
Notary Public: [Signature]
Date Commission Expires: JULY 21, 2007

MARCH
PHYLLIS E. BREWER
Notary Public - State of Kansas
My Appt. Expires 7-21-07

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: RECEIVED
RECEIVED
Wireline Log Received
Geologist Report Received
UIC Distribution
MAR 09 2007
KCC WICHITA

Operator Name: Grand Mesa Operating Company Lease Name: KSU Well #: 2-3
 Sec. 3 Twp. 23 S. R. 10 East West County: Reno

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 No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Howard Lst	2653	- 893
Topeka Lst	2757	- 997
Heebner	3052	-1292
Hush	3498	-1738
B/KC	3525	-1765
Kinderhook Shale	3607	-1847
Viola	3696	-1936
LTD	3749	

Compensated Neutron/Density Log

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 1/4"	8 5/8"	23#	247'	60/40 Poz	275SX	3% CC, 2% Gel, 1/4#SX Flocele
Production	7 7/8"	5 1/2"	14#	3716'	AA-2	100SX	.3% CFR, .25 Defoamer,
					.8 FUL-322, 10% Salt	1/4#SX Flocele	5# Gilsonite

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 (Amount and Kind of Material Used)	Depth
		1,000 Gal. Acid MIRA 15%	3754'
		3,000 Gal. Acid, 15% NEFE	3754'

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 7/8	3752'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumerd Production, SWD or Enhr.		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.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		85				20		30.5

Disposition of Gas: Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: **3743'-3754'**

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TREATMENT REPORT

Customer <i>Grand Mesa Operating Co</i>	Lease No.	Date
Lease <i>KSU</i>	Well # <i>2-3</i>	<i>1-11-07</i>
Field Order # <i>14232</i>	Station <i>Pratt</i>	Casing <i>8 5/8 23#</i>
Type Job <i>Surface 8 5/8 New well</i>	Depth <i>247</i>	County <i>Renno</i>
		State <i>KS</i>
	Formation	Legal Description <i>3-235-100</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8 23#</i>	Tubing Size	Shots/Ft.	<i>Cement 275sk</i>	<i>Acid 60/40 Puz</i>	RATE	PRESS	ISIP	
Depth <i>247</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>15.80</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>227</i>	Packer Depth	From	To	Flush <i>14.5 bbl</i>	Gas Volume		Total Load	

Customer Representative <i>Kevin</i>	Station Manager <i>Dave Scott</i>	Treater <i>Steve Orlando</i>
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Service Units <i>118</i>	<i>309/457</i>	<i>347/501</i>						
Driver Names <i>Steve</i>	<i>James Anthony</i>	<i>James Biles</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:00 AM</i>					<i>On location - Safety Meeting</i>
					<i>Run 65ts. 8 5/8 23#</i>
					<i>Csg on Bottom</i>
					<i>Hook up to Casing - Break Circ w/ Rig</i>
<i>11:40</i>	<i>50</i>		<i>5</i>	<i>5</i>	<i>H2O Ahead</i>
<i>11:40</i>	<i>250</i>		<i>61.2</i>	<i>5</i>	<i>Mix Cement @ 14.72 #/gal</i>
					<i>Release plug</i>
<i>11:57</i>	<i>150</i>		<i>0</i>	<i>5</i>	<i>Start Displacement</i>
<i>2:00</i>	<i>100</i>		<i>14.5</i>	<i>5</i>	<i>Plug Down</i>
					<i>Circulation thru Job</i>
					<i>Circulated 14 bbl cement to pit</i>
					<i>Job complete</i>
					<i>Thanks, Steve</i>

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Customer STRAND MESA OPER.	Lease No.	Date 1-17-07
Lease K.S.I.L.	Well # 2-3	
Field Order # 13447	Station PRATT, KS.	Casing 5 1/2
Type Job LOW STRONG - NW	Depth 3716'	County RENO
	Formation TD-3717	State KS
		Legal Description 3-23-10

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5 1/2				Pre Pad	Max		5 Min.
Depth 3716'	Depth	From	To	Pad	Min		10 Min.
Volume	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth 3706	Packer Depth	From	To				

Customer Representative: **JOHN** Station Manager: **SCOTT** Treater: **COURTNEY**

Service Units	120	226	303	571				
Driver Names	KL	KAW	McGowan					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0900					ON LOCATION
					RUN 3717 5 1/2 OSG. 88 JTS
					FLOW SHOE LATCH BAPPE 1 1/2" COLLAR
					VENT - 1-2-3-4-7-10-13-16
					THE BOTTOM - DROP BRU - ODR.
					POTATE CASING
1300	200		12	5	RAMP 12 bbl SUPERFLUSH
	200		5	5	RAMP 5 bbl H₂O
	200		24	5	MIX 100 SL. AA2 - 3% CFR,
					25% DEFAM - 8% FUA-322, 10% SINA,
					1/4" CAL PLATE, 5# GIBSONITE
					STOP - WASH LINE - RELEASE PLUG
	0		0	6 1/2	START DESP.
	200		77	6 1/2	LIFT CEMENT
	600		85	4	SLOW RATE
330	1500		90.5	3	PLUG DOWN - H₂O
					PLUG PH & MH - 25 sl
1430					JOB COM PLETE - THANKS

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Customer <i>Grand Mesa</i>	Lease No.	Date <i>2-9-07</i>
Lease <i>K54</i>	Well # <i>2-3</i>	
Field Order # <i>15035</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>
Type Job <i>Acid Breakdown - New Well</i>	Depth	County <i>Reno</i>
	Formation <i>Viola</i>	State <i>KS</i>
		Legal Description <i>3-23-10</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>2 1/8</i>	Shots/Ft		Acid <i>100 gal / 10% / 15%</i>	RATE	PRESS	ISIP	<i>750</i>
Depth	Depth	From <i>Open Hole</i>	To	Pre Pad	Max		5 Min.	<i>100</i>
Volume	Volume <i>21.7</i>	From	To	Pad	Min		10 Min.	<i>UAC</i>
Max Press	Max Press	From	To	Frac	Avg		15 Min.	<i>—</i>
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3754</i>	Backer Depth <i>3689</i>	From	To	Flush <i>2.5 gal Oil Flush</i>	Gas Volume		Total Lead <i>46.5</i>	

Customer Representative <i>John Johnson</i>	Station Manager <i>D. Scott</i>	Treater <i>J. Fischer</i>
Service Units <i>113 202</i>		
Driver Names <i>J. Fischer P. Lokann</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1230</i>					<i>On Location / Safety Meeting</i>
<i>1400</i>		<i>0</i>	<i>15</i>	<i>4</i>	<i>Spot 5 bbls Acid</i>
<i>1401</i>		<i>0</i>	<i>5</i>	<i>4</i>	<i>Done Spotting Set Packer after 10 min.</i>
<i>1418</i>		<i>0</i>	<i>5.5</i>	<i>3.1</i>	<i>Start Acid</i>
<i>1424</i>		<i>75</i>	<i>21.7</i>	<i>.3</i>	<i>Loaded</i>
<i>1424</i>		<i>75</i>	<i>22</i>	<i>.6</i>	<i>Treating</i>
<i>1426</i>		<i>0</i>	<i>24</i>	<i>1</i>	<i>Well taking on own</i>
<i>1433</i>		<i>75</i>	<i>30.5</i>	<i>.9</i>	<i>Centrifugal In</i>
<i>1441</i>		<i>150</i>	<i>36</i>	<i>.75</i>	
<i>1443</i>		<i>400</i>	<i>38</i>	<i>.75</i>	
<i>1445</i>		<i>500</i>	<i>39</i>	<i>.75</i>	
<i>1448</i>		<i>550</i>	<i>41</i>	<i>.75</i>	
<i>1450</i>		<i>600</i>	<i>42</i>	<i>.75</i>	
<i>1452</i>		<i>650</i>	<i>43.5</i>	<i>.7</i>	
<i>1454</i>		<i>700</i>	<i>45</i>	<i>.7</i>	
<i>1455</i>		<i>750</i>	<i>45.8</i>	<i>.7</i>	
<i>1456</i>		<i>800</i>	<i>46.5</i>	<i>.7</i>	

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Job Complete
Thanks

**GRAND
MESA**

OPERATING COMPANY

(316) 265-3000
FAX: (316) 265-3455

307 FARMERS AND BANKERS BUILDING
200 EAST FIRST STREET
WICHITA, KANSAS 67202

3-7-09

CONFIDENTIAL

March 7, 2007

Kansas Corporation Commission
130 S. Market Rm #2078
Wichita, KS 67202

RE: KSU #2-3 -- Section 3-23S-10W, Reno County, Kansas
API #15-155-21518-00-00

Gentlemen:

Grand Mesa Operating Company is hereby requesting that the enclosed information concerning the above-captioned well be held CONFIDENTIAL for at least a period of one (1) year.

Thank you for your attention to this matter and your cooperation is greatly appreciated.

Very truly yours,

GRAND MESA OPERATING COMPANY


Ronald N. Sinclair
President

Enclosures

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TREATMENT REPORT

Customer GRAND MEAT OPERATIONS	Lease No.	Date 2-13-07
Lease K.S. U.	Well # 2-3	
Field Order # 17951	Station PRATT	Casing 5 1/2
Type Job ACIDIZE	Formation VIOLA	Legal Description 3-2.35-10W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft		Acid 3000 gal 15% NEPE	RATE	PRESS	ISIP	4.35
Depth	Depth	From	To	Pre Pad	Max	1.3	450	5 Min. 315
Volume	Volume	From	To	Pad	Min	1.1	65	10 Min. 245
Max Press	Max Press	From	To	Frac	Avg	1.2	270	15 Min. 175
Well Connection 58	Annulus	From	To		HHP Used			Annulus Pressure
Plug Depth 3687	Plug Depth	From	To	Flush OIL FLUSH WS-	Gas Volume			Total Load 946

Customer Representative TAT KELLY	Station Manager D. SCOTT	Treater M McGUIRE
Service Units 1/6	225	450
Driver Names M McGUIRE	R. PARK	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0830					ON LOCATION / SAFETY MET
1014					HOOK UP TO ANNULUS
1045	23			2.5	PUMP 2% KCL
			15		SHUT DOWN
1253		40		4.2	LOAD TUBING w ACID
1259		65	264	1.8	CAUGHT FLUID
1302		65	31	1.3	TREATING
1305		130	36	1.3	"
1308		295	39.5	1.1	SLOW RATE
1311		250	42.5	1.1	TREATING
1318		270	50	1.1	"
1321		240	53.5	1.1	"
1323		220	56	1.1	"
1335		210	70	1.1	"
1338		200	72.5	1.1	ACID IN ON FLUSH
1343		245	79.5	1.1	TREATING
1347		300	84	1.1	"
1350		360	88	1.1	"
1353		405	90.5	1.1	"
1355		450	93.5	1.1	"
1357		435	94.6		OIL FLUSH IN SHUT DOWN JOB COMPLETE

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