

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

3/3/12

**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 + 5 5 1 4  
Contact Person: Ronald N. Sinclair  
Phone: ( 316 ) 265-3000  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Company  
Wellsite Geologist: Steven P. Carl  
Purchaser: NCRA

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: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ 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.: \_\_\_\_\_  
12/10/2009      12/19/2009      02/10/2010  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 063-21811-00-00  
Spot Description: 1418' FSL & 1289' FEL  
SW \_SW\_ NE \_SE\_ Sec. 31 Twp. 13 S. R. 31  East  West  
1418 Feet from  North /  South Line of Section  
1289 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Gove  
Lease Name: Phelps Well #: 3-31  
Field Name: Wildcat  
Producing Formation: Morrow  
Elevation: Ground: 2927' Kelly Bushing: 2932'  
Total Depth: 4715' Plug Back Total Depth: 4705'  
Amount of Surface Pipe Set and Cemented at: 5 jts @ 221' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2414' Feet  
If Alternate II completion, cement circulated from: 2414'  
feet depth to: Surface w/ 200 sx cmt.

Drilling Fluid Management Plan AKINS 3810  
(Data must be collected from the Reserve Pit)  
Chloride content: 9,000 ppm Fluid volume: 980 bbls  
Dewatering method used: Evaporation & backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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**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]  
Title: President Date: March 3, 2010

Subscribed and sworn to before me this 3rd day of March,  
20 10.  
Notary Public: [Signature] PHYLLIS E. BREWER

Date Commission Expires: July 21, 2011  
PHYLLIS E. BREWER  
Notary Public - State of Kansas  
My Appt. Expires 7-21-11

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

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Operator Name: Grand Mesa Operating Company Lease Name: Phelps Well #: 3-31  
 Sec. 31 Twp. 13 S. R. 31  East  West County: Gove

**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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

List All E. Logs Run:  
**Meas. Depth Compact Photo Den. Comp. Neutron, Meas. Depth Array Ind. Focused Elect., Micro Resistivity, Comp Sonic, Bond Log.**

**“SEE ATTACHED SHEET FOR LOG TOPS”**  
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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 1/4"	8 5/8"	24#	221'	Common	150sxs	3% CC, 2% Gel
Production	7 7/8"	5 1/2"	15.5#	4715'	EA-2	225sxs	

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	0-2414	SMD	200	1/4#sx Flocele
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				
<input checked="" type="checkbox"/> Protect fresh wtr	0-2200	SMD	225	1/4#sx Flocele

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>	
		Amount and Kind of Material Used	Depth
2	4630-4645'	1,000 Gal. 7 1/2% MIRA Acid w/10% MEOH	4630-45
3	2200'	3,150 Gal Progel LG200 N2Foam Frac	4630-45
		34,400 Gal. Foamed Profrac LG2000 N2Foam Frac	4630-45
		Squeeze- Perf. SMD cement 150sxs	0-995

TUBING RECORD: Size: 2 7/8" Set At: 3988' Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or Enhr. February 10, 2010 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours: Oil 30 Bbls. Gas 110 Mcf Water 110 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Solid <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4630-4645</u>
--	---	--

Phelps 3-31  
Sec. 31-13S-31W  
Gove County, Kansas  
Grand Mesa Operating Company  
Spud 12/10/09  
TD 12/19/09

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LOG TOPS -- CONFIDENTIAL (2 YEAR)

Name	Top	Datum
Stone Corral	2414	+ 518
Heebner	3924	- 992
Lansing	3968	-1036
Muncie Creek	4121	-1189
Stark Shale	4210	-1278
Hushpuckney Shale	4247	-1315
Bs/KC	4280	-1350
Little Osage Shale	4443	-1511
Excello Shale	4467	-1535
Johnson Zone	4543	-1611
Morrow Shale	4567	-1635
Morrow Sand	4596	-1664
Bs/Morrow Sand	4659	-1727
Mississippian	4661	-1729
LTD	4712	

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# ALLIED CEMENTING CO., LLC. 044360

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

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SERVICE POINT:

*Dekley Ks*

DATE <i>12/10/09</i>	SEC <i>31</i>	TWP. <i>13</i>	RANGE <i>31</i>	CALLED OUT	ON LOCATION <i>3:00pm</i>	JOB START <i>7:00pm</i>	JOB FINISH <i>7:30pm</i>
LEASE <i>Phelps</i>	WELL# <i>3-31</i>	LOCATION <i>Dekley 115 3E S to Dead End</i>		COUNTY <i>Greene</i>	STATE <i>Ks</i>		
OLD OR NEW (Circle one)			<i>1/4 W N 1/4</i>				

CONTRACTOR *Murphy 24*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *221*

CASING SIZE *8 5/8* DEPTH *221*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.12*

OWNER *Same*

CEMENT AMOUNT ORDERED *150 SKs com 3070CC 2700gk*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Alan*

# *422* HELPER *Wayne*

BULK TRUCK DRIVER *Karlene*

# *377*

BULK TRUCK DRIVER

#

COMMON <i>150</i>	@	<i>1545</i>	<i>2317.50</i>
POZMIX	@		
GEL	@	<i>2000</i>	<i>62.40</i>
CHLORIDE <i>6</i>	@	<i>58.22</i>	<i>349.32</i>
ASC	@		
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	@		
	@	<i>MAR 05 2010</i>	
CONSERVATION DIVISION WICHITA, KS			
	@		
	@		
	@		
HANDLING <i>159</i>	@	<i>2.40</i>	<i>381.60</i>
MILEAGE <i>109 5/2/mile</i>	@	<i>318</i>	<i>3428.20</i>
			TOTAL <i>3428.20</i>

**REMARKS:**

*Cement Did Circulate*

*Thank You  
Alan, Wayne, Karlene*

CHARGE TO: *Grand Mesa*

STREET

CITY STATE ZIP

**SERVICE**

DEPTH OF JOB

PUMP TRUCK CHARGE *1018.00*

EXTRA FOOTAGE @

MILEAGE *20* @ *7.00* *140.00*

MANIFOLD @

TOTAL *1158.00*

**PLUG & FLOAT EQUIPMENT**

@

@

@

@

@

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.

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME *Anthony Martin*

SIGNATURE *Anthony Martin*

**JOB LOG**

**SWIFT Services, Inc.**

DATE 12-19-09 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO. # 3-31 LEASE Phelps JOB TYPE Longstring TICKET NO. 16817

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							on loc w/ FE
								RTD 4715'
								5 1/2" x 15.5' x 4722' x 10'
								Ccots 4, 3, 5, 7, 9, 11, 13, 15, 17, 57
								Basket 4, 58
								P.C. 5'8" @ 2414'
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	1515							Start F.E.
	1730							Break Circ.
	1810	2.5	7/4					Plug R.H. + M.H. 45 sks EA-2
	1820	3.5	0			150		start Mad Flush
		3.5	12/0			150		start KCL Flush
		5.5	20/0			200		Start Cement 180sks EA-2
	1835		43					End Cement
								Wash PTL
								Drop Plug
	1840	6.5	0			200		Start Displacement
	1852	5	72			300		Catch Cement
	1900		112			750/1100		Hand Plug
								Release Pressure
								Float Held

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Thank you  
Nick, Josh F. & Jason F.

**JOB LOG**

**SWIFT Services, Inc.**

DATE 1-26-10 PAGE NO. 1

CUSTOMER **GRAND MESA** WELL NO. **3-31** LEASE **PHELPS** JOB TYPE **TOOLS - CMT PORT COLLAR** TICKET NO. **17377 - 17378**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBU/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
								2 7/8 x 5 1/2
								RBP = 3900'
								PORT COLLAR = 2414'
								<b>KCC</b>
								<b>MAR 03 2010</b>
								<b>CONFIDENTIAL</b>
	0830							START 5 1/2" TSU-RBP IN WELL
	0930							SET RBP = 3900'
	1015	4	100	✓		600		CIRCULATE OIL OUT WELL = 3870'
	1045						1000	TEST RBP - CASING - HELD
	1100		16	✓				SPOT 1SK = 3870' SAND 20/40
	1115							PULL TUBING - LOCATE PORT COLLAR
	1215				✓		1000	PSE TEST - HELD
	1230	4 AVG	80	✓		800 AVG		OPEN PORT - INTRATE W/ MUD <sup>NO</sup> CIRCULATION
	1300	4 AVG	111	✓		600 AVG		MIX CEMENT 200 SKS SAND 1/4" FLOCCLE
	1440	4	13	✓		650		DISPLACE CEMENT
	1450			✓		1000		CLOSE PORT COLLAR - PSE TEST - HELD
								CIRCULATED 2 SKS CEMENT TO PRT
	1510	4	30	✓		500		RUN 4 JTS - CIRCULATE CLEAN
								WASH TROCK
								PULL TUBING - LOAD HOLE W/ WATER TROCK
	1600							JOB COMPLETE
								THANK YOU
								WAYNE, JASON R., ROGER RANSAR
								RECEIVED KANSAS DEPARTMENT OF REVENUE REGISTRATION COMMISSION
								MAR 05 2010
								CONSERVATION DIVISION WICHITA, KS
								1300 - MIX 100 SKS CEMENT - NO CIRCULATION
								1345 - MIX 50 SKS CEMENT - NO CIRCULATION
								1415 - MIX 50 SKS CEMENT - NO CIRCULATION

# BASIC

energy services, L.P.

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## TREATMENT REPORT

Customer: <b>Grand Mesa Operating</b>	Lease No: <b>CONFIDENTIAL</b>	Date: <b>01/06/10</b>
Lease: <b>Phelps # 331</b>	Well #: <b>3-31</b>	
Field Order #: <b>00345</b>	Station: <b>1717</b>	Casing: <b>5 1/2</b>
Type Job: <b>Z-37 Ball Job</b>	Formation: <b>Morrow</b>	Depth: <b>4645</b>
		County: <b>Gove</b>
		State: <b>KS</b>
		Legal Description: <b>31-B5-31w</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: <b>5 1/2</b>	Tubing Size: <b>2 7/8</b>	Shots/Ft: <b>2</b>		Acid: <b>1000 gal 7 1/2%</b>	RATE	PRESS	ISIP	<b>400</b>
Depth: <b>4559</b>	Depth: <b>4630</b>	From: <b>4630</b>	To: <b>4645</b>	Pre Pad: <b>MIRA Acid</b>	Max: <b>3.1</b>	<b>650</b>	5 Min: <b>50</b>	
Volume: <b>26.5</b>	Volume: <b>26.5</b>	From:	To:	Pad: <b>10% MEOH</b>	Min: <b>2</b>	<b>0</b>	10 Min: <b>0</b>	
Max Press: <b>700</b>	Max Press: <b>700</b>	From:	To:	Frac:	Avg: <b>3.1</b>	<b>650</b>	15 Min: <b>0</b>	
Well Connection: <b>Annulus Vol.</b>	Annulus Vol: <b>70</b>	From:	To:	Flush: <b>4% KCL water</b>	HHP Used:		Annulus Pressure: <b>400</b>	
Plug Depth: <b>4565</b>	Packer Depth: <b>4565</b>	From:	To:		Gas Volume:		Total Load: <b>55 bbl</b>	

Customer Representative: **John Johnson** Station Manager: **Jerry Bennett** Treater: **Garry Humphries**

Service Units: <b>19888</b>	<b>30463</b>	<b>19843</b>						
Driver Names: <b>Garly</b>	<b>Chad</b>	<b>Hinz</b>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1030					Arrive on loc
1102			0	3	Start loading Annulus w/ KCL H2O
1133	400		70	3	Annulus Loaded Shut in w/ 400psig
1146	0		0	3	Start 7 1/2% MIRA Acid
1148	0		5	3	Start Dropping Balls
1153	0		17	3	Finish Dropping BALLS
1154		500	19	3	Tubing loaded
1157		500	24	3	Finish Pumping Acid
1157		500	0	3.1	Start KCL Flush
1158		600	3	3.1	Pumping Flush
1206		650	31	3.1	Finish Pumping Flush
1207		400	0	0	ISIP
1217		50			Shut in
1218		0			7 min on Vacuum
1220					Rig Down Equip
1300					Leave Loc

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Customer <b>GRAND MESA</b>	Lease No.	Date <b>1-12-10</b>
Lease <b>PHELPS</b>	Well # <b>3-31</b>	<b>CONFIDENTIAL</b>
Field Order # <b>0865A</b>	Station <b>PRATT</b>	
Type Job <b>100 QUALITY N<sup>2</sup> FOAM (FRAC) N/W</b>	Casing <b>5 1/2</b>	Depth
Formation <b>MURROW</b>	County <b>GOVE</b>	State <b>KS</b>
Legal Description <b>39-135-31W</b>		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2</b>	Tubing Size <b>2 7/8</b>	Shots/Ft <b>2</b>		Acid		RATE	PRESS	ISIP <b>2554</b>
Depth	Depth	From <b>4630</b>	To <b>4645</b>	Pre Pad 2000 GALLON PROCEL LG 200 FOAMED		Max <b>14</b>	<b>3292</b>	5 Min. <b>1790</b>
Volume <b>1.90</b>	Volume <b>26.47</b>	From	To	Pad 10000 GALLON FOAMED PROFRAC LG 2000		Min <b>7</b>	<b>2774</b>	10 Min. <b>1735</b>
Max Press	Max Press <b>4000</b>	From	To	Frac 24000 GALLON FOAMED PROFRAC LG 2000		Avg <b>14</b>	<b>2950</b>	15 Min. <b>1699</b>
Well Connection <b>2 7/8</b>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth <b>4565</b>	From	To	Flush 1150 GALLON FOAMED PROCEL LG 200		Gas Volume		Total Load <b>478 BBL</b>

Customer Representative <b>JOHN JOHNSON</b>	Station Manager <b>DAVE SCOTT</b>	Treater <b>M. BARBER / J. WESTERMAN</b>
--	--------------------------------------	--

Service Units	<b>21643</b>	<b>19495</b>	<b>25632</b>	<b>19830</b>	<b>19845</b>	<b>19834</b>	<b>19847</b>	<b>19892</b>	<b>19899</b>	<b>19852</b>	<b>19900</b>	<b>19853</b>	<b>21959</b>
Driver Names	<b>JUSTIN</b>	<b>MARK</b>	<b>JAMES</b>	<b>BOB</b>	<b>EDMUND</b>	<b>RAFAEL</b>	<b>GREGSON</b>	<b>JANIS</b>	<b>RYAN</b>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					ON LOCATION - SAFETY MEETING - SET-UP
10:15	9	4400			PREP UP - PRESSURE TEST
10:20	9	366		7	START 2000 GALLON PRE PAD 1/2 RATE
10:24	17	2368	11	14	FOAM ON BOTTOM INCREASE TO FULL RATE
10:26	15	2605	19	14	START 10000 GALLON PAD
10:43	14	2802	114	14	START 2000 GALLON 1/4" 14/30
10:45	15	2774	125	14	1/4" 14/30 ON BOTTOM
10:46	15	2810	134	14	START 2000 GALLON 1/2" 14/30
10:48	15	2810	145	14	1/2" 14/30 ON BOTTOM
10:50	17	2840	155	14	START 4400 GALLON 1" 14/30
10:52	18	2840	166	14	1" 14/30 ON BOTTOM
10:57	20	2884	199	14	START 5000 GALLON 2" 14/30
10:59	20	2915	210	14	2" 14/30 ON BOTTOM
11:07	23	2939	262	14	START 5000 GALLON 2 1/2" 14/30
11:08	23	2951	273	14	2 1/2" 14/30 ON BOTTOM
11:16	25	3016	329	14	START 6000 GALLON 3" 14/30
11:18	26	3029	340	14	3" 14/30 ON BOTTOM
11:30	30	3058	427	14	START 1150 GALLON FLUSH
11:31			438		SHUT DOWN JOB COMPLETED
		2554			ISIP

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THANK YOU  
PRATT FRAC CREW  
JUSTIN  
MARK

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**SWIFT Services, Inc.**

DATE 1-27-10 PAGE NO. 7

CUSTOMER GRAND MESA WELL NO. 3-31 LEASE PHELPS JOB TYPE TOOLS - SQUEEZE PERFS TICKET NO. 17379-17380

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
								2 7/8 x 5 1/2 RBP = 3900'
								PERFS - 2200'
								PKR - 1966' AD-1 TENSION
	1015							START 5 1/2" TENSION PACKER IN WELL
	1130				✓		500	PSI ANNULUS - HEAD - SHUT IN
	1140	2-5	80	✓		800/1500		INT RATE w/ MUD NO CIRCULATION
	1230	3	97/12	✓		500		MIX CEMENT (175 LIGHT 50 SKS HEAVY)
	1428							WASH OUT PUMP - LEAKS
	1430	2	0	✓		300		DISPLACE CEMENT
	1438	2	15 1/2			650		CEMENT DISPLACED - SHUT IN
								CIRCULATED 2 SKS CEMENT TO PRT
								WASH TRUCK
	1530							JOB COMPLETE - TODAY
								THANK YOU
								WAYNE, JASON R., ROGER B. RECEIVED
								WICHITA CORPORATION COMMISSION
								MAR 05 2010
								CONSERVATION DIVISION WICHITA, KS
								TOC = 2150 ±
								1230 - MIX 75 SKS CEMENT - NO CIRCULATION
								1330 - MIX 75 SKS CEMENT - NO CIRCULATION
								1410 - MIX 75 SKS CEMENT - NO CIRCULATION
								(LAST 50 SKS - SQUEEZED PERFS 15.0 PP6)

**KCC**

MAR 03 2010

**CONFIDENTIAL**

**JOB LOG**

**SWIFT Services, Inc.**

DATE **1-28-10** PAGE NO.

CUSTOMER **GRAND MESA** WELL NO. **3-31** LEASE **PHELPS** JOB TYPE **SQUEEZE PERFORATION** TICKET NO. **17381**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
								2 7/8 x 5 1/2 RBP = 3900'
								PERFS - 995'
								PKR - 741' (23 in / 124 out)
	1015							POT NEW SHEAR RING ON PKR - RUN PKR TO 741'
	1115						500	PSE ANNULUS - HEAD - SHUT IN
	1125	3	80	✓			800	INT. RATE w/MUD - CIRCULATION IN 7 BBLs
	1150	3	55/12	✓			600 <sup>avg</sup>	MAX CEMENT - 100 SKS @ 11.2 50 SKS @ 15.0
	1220	3	0	✓			700	DISPLACE CEMENT
		2	8	✓			900	
	1225	2	9	✓			300	CEMENT DISPLACED - SHUT IN
								CIRCULATED 25 SKS CEMENT TO POT
								WASH TRUCK
	1330							JOB COMPLETE TOC @ 690' ±

**KCC**  
**MAR 03 2010**  
**CONFIDENTIAL**

THANK YOU  
 WAYNE, JASON R., ROGER B., RUSSELL

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 MAR 05 2010  
 CONSERVATION DIVISION  
 WICHITA, KS