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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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Form ACO-1
September 1999
Form Must Be Typed

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: Larry Friend

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

05/27/04 06/04/04 06/04/04
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 135-24283-00-00
County: Ness
W/2 SW NE NW Sec. 4 Twp. 16 S. R. 23 East West
1060 feet from S N (circle one) Line of Section
1440 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: SIMPSON Well #: 1-4
Field Name: Wildcat

Producing Formation: Cherokee Sand
Elevation: Ground: 2404' Kelly Bushing: 2409'
Total Depth: 4436' Plug Back Total Depth: 4419'
Amount of Surface Pipe Set and Cemented at 5 jts 8 5/8" @ 225 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 N/A ppm Fluid volume 6800 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.: _____

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: James P. Reilly / JAMES P. REILLY
Title: Secretary Date: August 4, 2004

Subscribed and sworn to before me this 4th day of August

20 04
Notary Public: Phyllis E. Brewer
Date Commission Expires: July 21, 2007

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

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

✓

Operator Name: Grand Mesa Operating Company Lease Name: SIMPSON Well #: 1-4
 Sec. 4 Twp. 16 S. R. 23 East West County: Ness

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:

Dual Rec. Cmt. Bond Log/DI Log/
 Dual Comp. Poro. Log/ Borehole Comp. Sonic Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Stone Corral	1770	+ 639
Heebner	3766	-1357
Lansing	3806	-1397
B/KC	4100	-1691
Ft. Scott	4282	-1873
Cherokee Sd	4361	-1952
Mississippian	4393	-1984

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"	20#	225'	Common	175SX	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	4432'	EA-2	150 SX	5% Calseal, 10% Salt
							5% CFRI, 1/4# SX Flocele

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	0-1775'	MOC	150SX	1/4# SX Flocele
<input checked="" type="checkbox"/> Protect fresh water				

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
4	4362-4368	4 SPF, 32 gram exp. gun	
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TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4410'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
July 8, 2004	<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
	90		15	

Disposition of Gas **METHOD OF COMPLETION** Production Interval **4362-68**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify)

ALLIED CEMENTING CO., INC.

18106

Federal Tax I.D.# XXXXXXXXXX

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

SERVICE POINT:
Ness City

DATE <u>05-27-04</u>	SEC. <u>4</u>	TWP. <u>16S</u>	RANGE <u>23W</u>	CALLED OUT <u>5:30/PM</u>	ON LOCATION <u>7:30/PM</u>	JOB START <u>9:00/AM</u>	JOB FINISH <u>9:45/PM</u>
LEASE <u>SIMPSON</u>	WELL # <u>1-4</u>	LOCATION <u>17N 12 1/4 SW OF NESS CITY</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MALLARD JV.

TYPE OF JOB SURFACE JOB

HOLE SIZE 12 1/4" T.D. 225'

CASING SIZE 8 5/8" DEPTH 225'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 250 MINIMUM 200

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13.30 BLS

OWNER GRAND MESA

CEMENT AMOUNT ORDERED 175 SK (COMMON) 3% CC 2% GR

EQUIPMENT

PUMP TRUCK # 224 CEMENTER BUD HELPER JIM W

BULK TRUCK # 260 DRIVER DON DUGAN

BULK TRUCK # _____ DRIVER _____

COMMON	<u>175 SK</u>	@	<u>7.65</u>	<u>1338.75</u>
POZMIX	_____	@	_____	_____
GEL	<u>3 SK</u>	@	<u>11.00</u>	<u>33.00</u>
CHLORIDE	<u>5 SK</u>	@	<u>30.00</u>	<u>150.00</u>
ASC	_____	@	_____	_____

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HANDLING	<u>183 SK</u>	@	<u>1.25</u>	<u>228.75</u>
MILEAGE	<u>183 SK 405</u>	@	<u>18</u>	<u>164.70</u>
TOTAL				<u>1915.20</u>

REMARKS:

RAW 8 5/8" CSG TO FR. BREAK
CIRCULATION WITH MIX 175 SK (COMMON)
3% CC 2% GR. DISPLACED W 1330 BLS

225' SERVICE

DEPTH OF JOB	_____			
PUMP TRUCK CHARGE	_____			<u>520.00</u>
EXTRA FOOTAGE	_____	@	_____	_____
MILEAGE	<u>18</u>	@	<u>4.00</u>	<u>72.00</u>
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
TOTAL				<u>592.00</u>

CHARGE TO: GRAND MESA OPERATING CO.

STREET 200 E. First St. Ste 307

CITY WICHITA STATE KS ZIP 67202

PLUG & FLOAT EQUIPMENT

MANIFOLD	_____	@	_____	_____
	<u>1-TOP 8 5/8" WOOD</u>	@	<u>45.00</u>	<u>45.00</u>
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
TOTAL				<u>45.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE LAVON R. URBAN

LAVON R. URBAN
PRINTED NAME

THANKS

JOB LOG

SWIFT Services, Inc.

DATE **6-3-04** PAGE NO. **7**

CUSTOMER **GRAND MESA** WELL NO. **1-4** LEASE **SEMPSON** JOB TYPE **5 1/2" LOGGING** TICKET NO. **6839**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (CAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							ON LOCATION
	2315							START 5 1/2" CASING IN WELL
								TD - 4435 SET @ 4434
								TP - 4441 5 1/2" / FT 14
								ST - 22.35
								CENTRALISES - 1, 2, 3, 4, 5, 6, 7, 8
								CMT BSKT - PWD 62, 63
								POST COLLAR @ 1777 TOP JT # 62
	0125							DROP BALL - CIRCULATE ROTATE
	0140	6 1/2	12		✓	450		PUMP 500 GAL MUD FLUSH "
	0142	6 1/2	20		✓	450		PUMP 20 BBL KCL FLUSH "
	0150		4 1/2					PLUG RH-MH (25 SKS OUT)
	0155	5	30		✓	350		MIX CEMENT (125 SKS OUT) "
	0205							WASH OUT PUMP - LOGS
	0206							RELEASE TOP PLUG
	0209	6 1/2	0		✓			RESPACE PLUG RECEIVED "
		6 1/2	98			700		SHOT OFF ROTATE AUG 06 2004
	0223	6	107.8			1100		PLUG DOWN KCC WICHITA
	0225					OK		RELEASE PSE - NEED KCC
								WASH UP AUG 05 2004
	0330							JOB COMPLETE CONFIDENTIAL
								THANK YOU
								WAVE, DUSTY SWINE

JOB LOG

SWIFT Services, Inc.

DATE 6-15-04 PAGE NO. 7

CUSTOMER GRAND MESA WELL NO. 1-4 LEASE SIMPSON JOB TYPE CEMENT PORT CEMENT TICKET NO. 6930

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0930							ON LOCATIONS
								PORT CEMENT @ 1775 2 7/8 x 5/8
	1030							START OPERATING TOOK 2W WELL
	1210				✓		1000	PSI TEST CASING - HEAD
	1215	3 1/2		✓			300	OPEN PORT CEMENT - 2 1/2 RATE
	1220	4	83	✓			350	MAX CEMENT 150 SLS 5/8
	1240	3	9	✓			400	DISPLACE CEMENT
	1250				✓		1000 1000	CLOSE PORT CEMENT - PSI TEST - HEAD
								CIRCULATED 15 SLS CEMENT TO PSI
	1310	3	25	✓			400	RUN 5 SLS NBRG - CIRCULATE CLEAN
								WASH UP
								PULL NBRG
	1400							JOB COMPLETE

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THANK YOU
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PRODUCTIVITY TEST
BARREL TEST

OPERATOR Grand Mesa Operating Co. LOCATION OF WELL 1060FWL-1440FWL
 LEASE Simpson OF SEC. 4 T 16 R 23
 WELL NO. 1-4. COUNTY Ness
 FIELD _____ PRODUCING FORMATION Cherokee Sand
 Date Taken 7-20-04 Date Effective 7-20-04
 Well Depth 4436' Top Prod. Form 4352 Perfs 4362-68
 Casing: Size 5 1/2" Wt. 14# Depth 4432' Acid _____
 Tubing: Size 2 7/8" Depth of Perfs _____ Gravity 33.4
 Pump: Type RWTC Bore 2" x 1 1/2" x 14' Purchaser NCRA
 Well Status Pumping
 Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping _____

STATUS BEFORE TEST:

PRODUCED 24 HOURS
 SHUT IN _____ HOURS
 DURATION OF TEST _____ HOURS 13 MINUTES 45 SECONDS
 GAUGES: WATER _____ INCHES _____ PERCENTAGE
 OIL _____ INCHES _____ PERCENTAGE
 GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 105
 WATER PRODUCTION RATE (BARRELS PER DAY) 15
 OIL PRODUCTION RATE (BARRELS PER DAY) 90 PRODUCTIVITY
 STROKES PER MINUTE 7
 LENGTH OF STROKE 64 INCHES
 REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

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COMMENTS

WITNESSES:

Michael J. Mauer
 FOR STATE

Don Winters
 FOR OPERATOR

FOR OFFSET

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