

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

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: Pat Deenihan

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: Grand Mesa Operating Company

Well Name: Ruff #1-21  
Original Comp. Date: 06/12/04 Original Total Depth: 4300'  
 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. \_\_\_\_\_

04/26/05 05/01/05  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 195-22256-00-00  
County: Trego  
N/2 SW SW SE Sec. 21 Twp. 15 S. R. 22  East  West  
540 feet from S / N (circle one) Line of Section  
2310 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Ruff Well #: 1-21  
Field Name: Wildcat

Producing Formation: Cherokee Sand  
Elevation: Ground: 2228' Kelly Bushing: 2233'  
Total Depth: 4300' Plug Back Total Depth: 4259'  
Amount of Surface Pipe Set and Cemented at 5 jts 8 5/8" @ 229 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 w/d - Alt II NOR 7-24-08  
(Data must be collected from the Reserve Pit)  
Chloride content N/A ppm Fluid volume 6,800 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.: \_\_\_\_\_

RECEIVED  
MAY - 5 2005  
KCC WICHITA

**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: May 4, 2005

Subscribed and sworn to before me this 4th day of May, 2005.

Notary Public: [Signature] PHYLLIS E. BREWER

Date Commission Expires: 21, 2007

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

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**KCC Office Use ONLY**  
NO Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

X

Operator Name: Grand Mesa Operating Company Lease Name: Ruff Well #: 1-21  
 Sec. 21 Twp. 15 S. R. 22  East  West County: Trego

**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 <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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>DI Log/Dual Comp. Poro. Log/ Borehole Comp.                  Sonic Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="0" style="width:100%"> <tr> <td style="width:60%">Name</td> <td style="width:20%">Top</td> <td style="width:20%">Datum</td> </tr> <tr> <td>Stone Corral</td> <td>1583</td> <td>+ 650</td> </tr> <tr> <td>Heebner</td> <td>3593</td> <td>-1360</td> </tr> <tr> <td>Lansing</td> <td>3631</td> <td>-1398</td> </tr> <tr> <td>B/KC</td> <td>3910</td> <td>-1677</td> </tr> <tr> <td>Pawnee</td> <td>3987</td> <td>-1754</td> </tr> <tr> <td>Ft Scott</td> <td>4076</td> <td>-1843</td> </tr> <tr> <td>Cherokee Sd</td> <td>4154</td> <td>-1921</td> </tr> <tr> <td>Mississippian</td> <td>4208</td> <td>-1975</td> </tr> <tr> <td>Gilmore City</td> <td>4244</td> <td>-2011</td> </tr> </table>	Name	Top	Datum	Stone Corral	1583	+ 650	Heebner	3593	-1360	Lansing	3631	-1398	B/KC	3910	-1677	Pawnee	3987	-1754	Ft Scott	4076	-1843	Cherokee Sd	4154	-1921	Mississippian	4208	-1975	Gilmore City	4244	-2011
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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"	20#	229'	Common	165SX	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	4298'	AA-2	130SX	10% Salt, 5% Calseal
							.8% FLA 322, .25 Cell Flake

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 <input checked="" type="checkbox"/> <del>Protect fresh water</del>	0-1607'	A-Con	250 SX	3% CC, .25 Cell Flake, 2% Calseal, 2% Metsolite beads

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	4164-4172		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4207'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
May 1, 2005	<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
	20		280		

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 **4164-4172**