

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

4/23/12

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 **KCC**
Phone: (316) 265-3000
CONTRACTOR: License # 30606 **APR 23 2010**
Name: Murfin Drilling Company **CONFIDENTIAL**
Wellsite Geologist: Steven P. Carl
Purchaser: NCRA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 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: Grand Mesa Operating Company
Well Name: Phelps #2-31
Original Comp. Date: 11/04/09 Original Total Depth: 4670'
 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.: _____
10/05/2009 4/16/10 10/16/2009 04/16/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21802-00-00
Spot Description: 482' FSL & 330' FWL
N/2 SW SW SW Sec. 31 Twp. 13 S. R. 31 East West
482 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Phelps Well #: 2-31
Field Name: Maurice Northeast
Producing Formation: Marmaton/Lansing
Elevation: Ground: 2934 Kelly Bushing: 2944
Total Depth: 4670 Plug Back Total Depth: 4648
Amount of Surface Pipe Set and Cemented at: 5 jts @ 213 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2442 Feet
If Alternate II completion, cement circulated from: 2442
feet depth to: Surface w/ 275 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) WONJ 4-29-10
Chloride content: 16,600 ppm Fluid volume: 660 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: Ronald N. Sinclair /RONALD N. SINCLAIR
Title: President Date: April 23, 2010
Subscribed and sworn to before me this 23rd day of April,
2010
Notary Public: Phyllis E. Brewer /Phyllis E. Brewer
Date Commission Expires: July 21, 2011 (720)

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

RECEIVED
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APR 26 2010
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Grand Mesa Operating Company Lease Name: Phelps Well #: 2-31
 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 <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: Comp. Sonic w/Intg. Travel Times, Compact Photo Density/Comp Neutron Micro Res. Log, Array Ind. Shallow Foc. Elect. Log., Micro Res. Log, Cement Bond Log.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum <p style="text-align: center; font-size: 1.2em;">See attached sheet w/Log tops</p> <p style="text-align: right; font-size: 1.5em; font-weight: bold;">KCC</p> <p style="text-align: right; font-size: 1.2em;">APR 23 2010</p> <p style="text-align: right; font-size: 1.5em; font-weight: bold;">CONFIDENTIAL</p>
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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"	23#	213	Common	140	3% CC, 2% Gel
Production	7 7/8"	5 1/2"	15.5#	4670	EA-2	200	

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"/> Protect fresh water	0-2442'	SMD	275	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 (Amount and Kind of Material Used)	Depth
	4	4456-59'; 4439-48'; 4404-10'	Cmt squeeze - 200sxs SMD
4	4261-69'; 4252-58'; 4216-23'	Acid Job-2500gal. 15% MCA Acid	4122-4269'
4	4216-23'; 4184-95'; 4165-73'	150 ballsealers, 29bbls KCL Flush	
4	4135-39'; 4122-26'	Acid job-250gal 15% MCA Acid	4038-4042'
4	4038-42'; 4015-19'; 3999-4010'	" - 750gal 15% MCA acid, 45 ball sealers	3999-4010'

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>4610'</u> Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4015-4019'
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Date of First, Resumed Production, SWD or Enhr. April 16, 2010	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. <u>100</u> Gas Mcf _____ Water Bbls. <u>49</u> 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-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: Commingled zones _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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Phelps 2-31
Sec. 31-13S-31W
Gove County, Kansas
Grand Mesa Operating Company
Spud 10/05/09
TD 10/16/09

KCC
APR 23 2010
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LOG TOPS -- CONFIDENTIAL (2 YEAR)

Name	Top	Datum
Stone Corral	2443	+ 501
Heebner	3920	- 976
Lansing	3962	-1018
Muncie Creek	4118	-1174
Stark Shale	4205	-1261
Hushpuckney Shale	4238	-1294
Bs/KC	4271	-1327
Marmaton	4311	-1367
Little Osage Shale	4428	-1484
Excello Shale	4450	-1506
Johnson Zone	4526	-1582
Morrow Shale	4552	-1608
Morrow Sand	n/a	n/a
Mississippian	4562	-1618
LTD	4668	

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JOBLOG

SWIFT Services, Inc.

DATE 841310 PAGE NO. 1
 TICKET NO. 17836

CUSTOMER GRAND MESA WELL NO. 2-31 LEASE PITELPS JOB TYPE ACIDIZE

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1406							DND LOCATION PAUL. 4063' TAIL 3300' PERFS. 4038'-42' FEHLT 747' SPOT 4047' 5.87889 Bbl 2 7/8 x 1 1/2 TREAT 4030' CS. 12' 2856 Bbl TB. 4030' 23.3337 Bbl TOTAL 23.6193 Bbl
	1429	3	6.5	✓		0-VAC		SPOTTED ACID
	1439							MOVE TOOL
	1445	3.75	6.75	✓		0		START PUMPING
	1447	3.75	10.75	✓				
	1449	0	22	✓		VAC		SHUT DOWN LET LOAD
	1451	0	26	✓		0		LOADED VERY SLIGHT VACUUM
	1500	0	26.5	✓		VAC		1 Bbl @ 5 MIN 45 SEC
	1513	0	29	✓		VAC		1 Bbl @ 5 MIN 45 SEC
								REL DOWN
								TRIP
	1530							Job Completed
								TITANIC FOR DUSTY, JEFF! WARRS

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