

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input 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

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
---	---	--

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	PRETTY WOMAN 1-20
Doc ID	1678774

All Electric Logs Run

CD/CN PE Log
DI Log
Sonic Log
Micro Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	PRETTY WOMAN 1-20
Doc ID	1678774

Tops

Name	Top	Datum
Stone Corral	2268	+561
Bs/Stone Corral	2296	+533
Heebner	3875	-1046
Lansing	3920	-1072
Muncie Creek	4069	-1240
Drum	4085	1256
Westerville	4118	-1289
Dennis	4138	-1309
Stark	4157	1328
Swope	4167	1338
Hushpuckney	4190	-1361
Marmaton	4259	-1430
Up/Ft Scott	4352	-1523
Little Osage	4376	-1547
Ft Scott	4387	-1558
Excello	4403	-1574
BPL	4504	-1675
Mississippian	4518	-1689
RTD	4571	0



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
November
30
2022

DST #1 **Formation: Lans "E&F"** **Test Interval: 3983 - 4035'** **Total Depth: 4035'**
Time On: 06:48 11/30 Time Off: 15:30 11/30
Time On Bottom: 09:40 11/30 Time Off Bottom: 12:40 11/30

Electronic Volume
Estimate:
102'

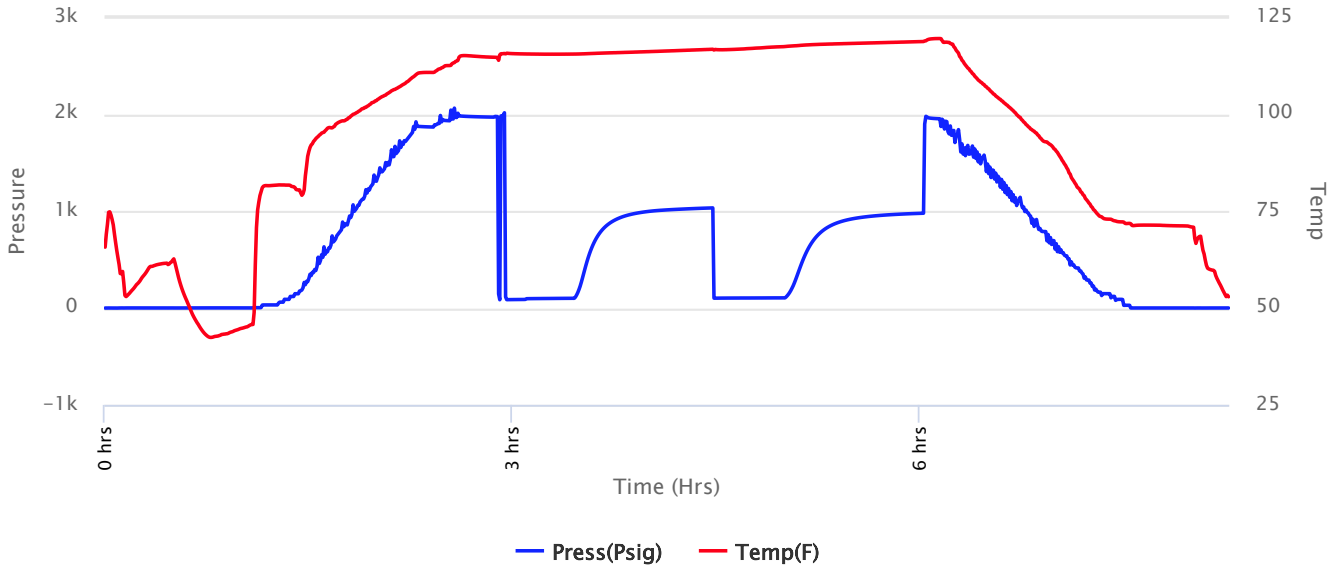
1st Open
Minutes: 30
Current Reading:
1.9" at 30 min
Max Reading: 2"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
1.4" at 30 min
Max Reading: 1.4"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
November
30
2022

DST #1 **Formation: Lans "E&F"** **Test Interval: 3983 - 4035'** **Total Depth: 4035'**
Time On: 06:48 11/30 Time Off: 15:30 11/30
Time On Bottom: 09:40 11/30 Time Off Bottom: 12:40 11/30

Recovered

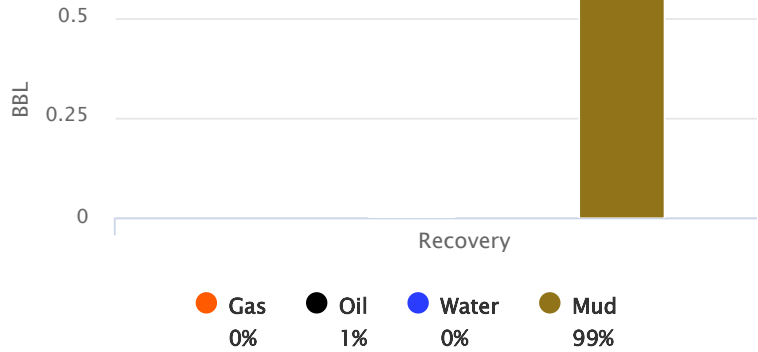
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
115	0.5658	SLOCM	0	1	0	99

Total Recovered: 115 ft
Total Barrels Recovered: 0.5658

Reversed Out
NO

Initial Hydrostatic Pressure	1974	PSI
Initial Flow	86 to 100	PSI
Initial Closed in Pressure	1031	PSI
Final Flow Pressure	101 to 104	PSI
Final Closed in Pressure	977	PSI
Final Hydrostatic Pressure	1976	PSI
Temperature	119	°F
Pressure Change Initial Close / Final Close	5.3	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
December
01
2022

DST #2	Formation: Lansing H-J	Test Interval: 4060 - 4160'	Total Depth: 4160'
	Time On: 09:53 12/01	Time Off: 16:49 12/01	
	Time On Bottom: 11:59 12/01	Time Off Bottom: 14:29 12/01	

BUCKET MEASUREMENT:

1st Open: 4" died back to 3.7 @5 min
1st Close: No blow back
2nd Open: Weak surface blow died almost immediately
2nd Close: No blow back

REMARKS:

Tool Sample: 0% Gas 10% Oil 0% Water 90% Mud



Operation:
Test Complete

**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

DATE
December
01
2022

DST #2	Formation: Lansing H-J	Test Interval: 4060 - 4160'	Total Depth: 4160'
	Time On: 09:53 12/01	Time Off: 16:49 12/01	
	Time On Bottom: 11:59 12/01	Time Off Bottom: 14:29 12/01	

Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 56 **Filtrate:** 7.2 **Chlorides:** 1800 ppm



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

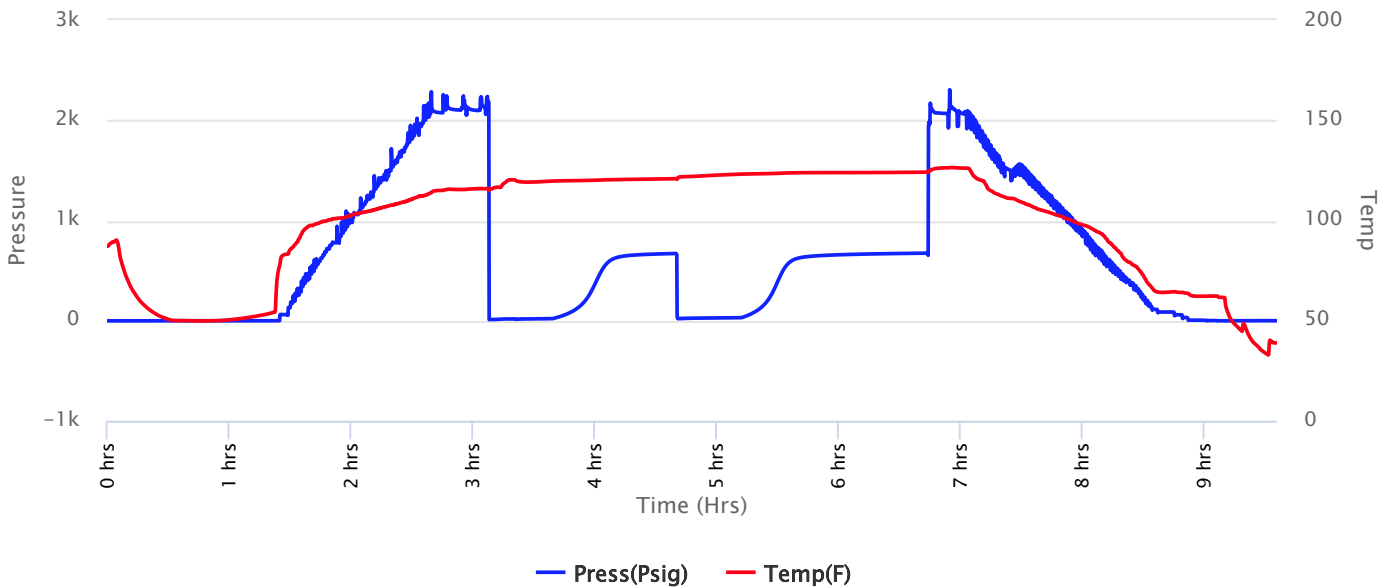
DATE
December
02
2022

DST #3 Formation: Fort Scott Test Interval: 4373 - 4400' Total Depth: 4400'
Time On: 17:13 12/02 Time Off: 02:30 12/03
Time On Bottom: 20:13 12/02 Time Off Bottom: 21:43 12/02

Electronic Volume Estimate:
149'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 60	Minutes: 30	Minutes: 90
Current Reading: 2.9" at 30 min	Current Reading: 0" at 60 min	Current Reading: .5" at 30 min	Current Reading: 0" at 90 min
Max Reading: 2.9"	Max Reading: 0"	Max Reading: 1.6"	Max Reading: 0"

Inside Recorder





**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:

Test Complete

DATE

December

02

2022

DST #3

**Formation: Fort
Scott**

**Test Interval: 4373 -
4400'**

Total Depth: 4400'

Time On: 17:13 12/02

Time Off: 02:30 12/03

Time On Bottom: 20:13 12/02

Time Off Bottom: 21:43 12/02

Recovered

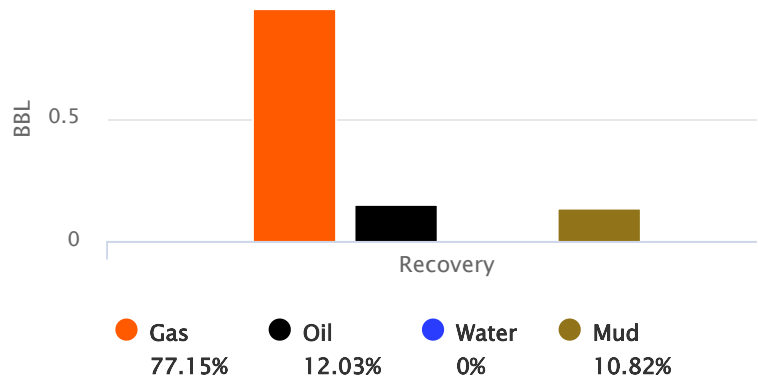
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
180	0.93215	G	100	0	0	0
60	0.2952	SLGCHMCO	5	50	0	45

Total Recovered: 240 ft

Total Barrels Recovered: 1.22735

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2239	PSI
Initial Flow	12 to 21	PSI
Initial Closed in Pressure	671	PSI
Final Flow Pressure	22 to 30	PSI
Final Closed in Pressure	674	PSI
Final Hydrostatic Pressure	2091	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 5.31643



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
December
02
2022

DST #3	Formation: Fort Scott	Test Interval: 4373 - 4400'	Total Depth: 4400'
	Time On: 17:13 12/02	Time Off: 02:30 12/03	
	Time On Bottom: 20:13 12/02	Time Off Bottom: 21:43 12/02	

BUCKET MEASUREMENT:

1st Open: Weak surface blow built to 3.5"
1st Close: No blow back
2nd Open: 2" died back to .5"
2nd Close: No blow back

REMARKS:

Tool Sample: 5% Gas 50% Oil 0% Water 45% Mud



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
December
02
2022

DST #3 Formation: Fort Scott Test Interval: 4373 - 4400' Total Depth: 4400'
Time On: 17:13 12/02 Time Off: 02:30 12/03
Time On Bottom: 20:13 12/02 Time Off Bottom: 21:43 12/02

Down Hole Makeup

Heads Up: 17.84 FT	Packer 1: 4368 FT
Drill Pipe: 4123.27 FT <i>ID-3 1/2</i>	Packer 2: 4373 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4357.42 FT
Collars: 235 FT <i>ID-2 1/4</i>	Bottom Recorder: 4375 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 27

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT
4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT
ID-3 1/2

Change Over: FT

Perforations: (below): 26 FT
4 1/2-FH



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
December
02
2022

DST #3 **Formation: Fort Scott** **Test Interval: 4373 - 4400'** **Total Depth: 4400'**
Time On: 17:13 12/02 Time Off: 02:30 12/03
Time On Bottom: 20:13 12/02 Time Off Bottom: 21:43 12/02

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 53 **Filtrate:** 7.2 **Chlorides:** 2600 ppm



**Company: Grand Mesa
Operating Company
Lease: Pretty Woman #1-20**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 21
Elevation: 2818 GL
Field Name: Butterfield-Overland NE
Pool: Infield
Job Number: 624
API #: 15-063-22422

Operation:
Test Complete

DATE
December
02
2022

DST #3 Formation: Fort Scott Test Interval: 4373 - 4400' Total Depth: 4400'
Time On: 17:13 12/02 Time Off: 02:30 12/03
Time On Bottom: 20:13 12/02 Time Off Bottom: 21:43 12/02

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

GRAND MESA

OPERATING COMPANY

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

1700 N. WATERFRONT PARKWAY
BLDG. 600
WICHITA, KANSAS 67206-5514

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Pretty Woman #1-20
API: 15-063-22422
Location: NW NW SE NE (1450 FNL & 529 FEL)
License Number: 9855
Spud Date: 11/26/2022
Surface Coordinates: NAD 1927
Lat: 38.826167
Bottom Hole (Same)
Coordinates:
Ground Elevation (ft): 2818 K.B. Elevation (ft): 2829
Logged Interval (ft): 3850 To: 4571 Total Depth (ft): 4571
Formation: Mississippian
Type of Drilling Fluid: Water Based Chemical Mud
Region: Kansas
Drilling Completed: 12/3/2022

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Grand Mesa Operating Company
Address: 1700 N Waterfront Parkway
Bldg: 600
Wichita, Kansas 67206

GEOLOGIST

Name: Gareth Dinkel
Company: Grand Mesa Operating Company
Address: 1700 N Waterfront Parkway
Bldg: 600
Wichita, Kansas 67206

COMMENTS

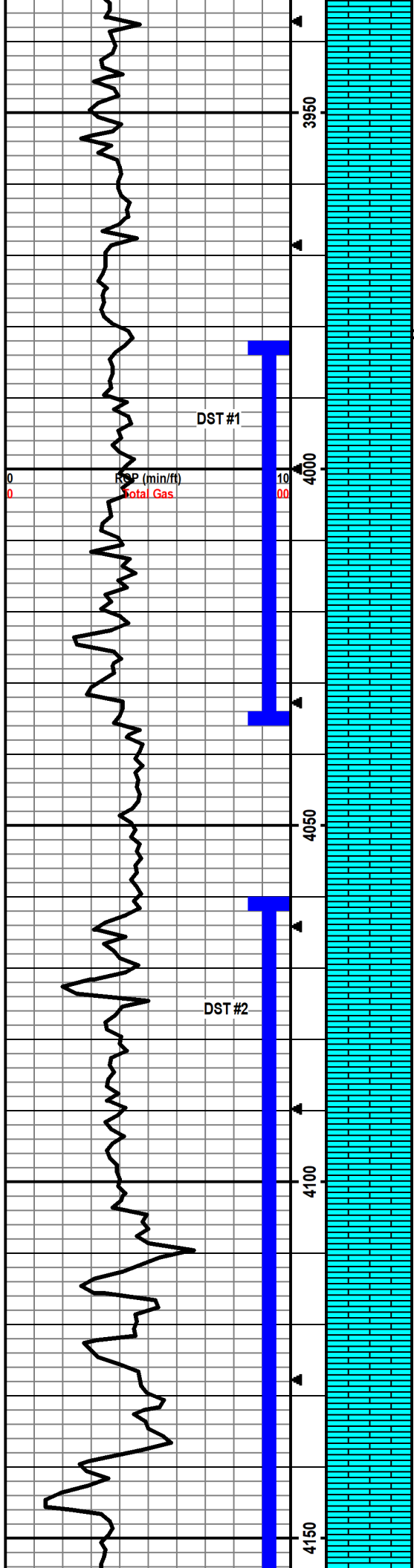
Due to lack the of reservoir development in the Lansing-Kansas City interval, poor DST results in the Ft.Scott, it was recommended that Pretty Woman #1-20 be plugged and abandoned.

Respectfully submitted,
Garet Dinkel

ROCK TYPES

	Anhy		Salt		Dol		Sitysh
	Cht		Shale		Dtd		Sdy dolo
	Coal		Shcol		Gry sh		Silty dolo
	Congl		Shgy		Sandylms		Shy dolo
	Dol		Slstt		Shale		Shaly ls
	Gyp		Ss		Slstn		

Curve Track 1		MD	Lithology	CFS Point	Oil Shows	Geological Descriptions	Remarks
ROP (min/ft)	Total Gas						
0	0	37					
10	100						
0	0	3800					
10	100						
						Strap 3809.75 Board 3810.59 0.84 Short	Bit Trip 3810ft PDC for Cone
						Geologist on Location 3879ft 1.56 P.M. 11/29/2022	
						Begin 10ft samples at 3850ft	
						Ls- cm, micro-xln, sl. dense, sandy, few foss (fuss.) no vis por. NS, NO 3850	
		3850				Flood Ls-tan mott brn, micro-xln, sl dense, earthy,sl.sandy, w/ f. iner-xln por, scat chalk wht globular NS NO 3860	
						Ls AA 3870	
						Ls tan mott wht, micro-xln, sl. dense, earthy, sl. sandy, sl.foss (pelletal) w/ f-inter-xln por, NS NO 3880	
						Heebner Shale 3,876ft. (-1047)	
						Flood Sh- blk, sl. dense, sl. carb 3890	
						Ls-cm-tan, micro-xln dense, w/ siltstn-gry-gm soft waxy, NS NO 3900	
						Toronto 3,903ft. (-1074)	
						Flood Ls- cm, micro-xln dense, few pcs sl. foss (pelletal), sl. dense, w/ sl. pp por.sl. show blk oil, f. show on break, dead, flaky NO 3910	
						LS - AA, ShowAA, w/ scat chert- tan-wht fresh sharp scat Siltstn-brn globular NO 3920	
						Flood Siltstn- gry-gm, red-marron, soft globular. 3930	
						Lansing 3,920ft. (-1091)	
						Ls-cm, micro-xln, dense, few sl. foss (ool) w. p.oolcastic por. filled w/ re-xln spar, sl. dolomitic, v.f.xln, surgary, pyritic NSFO NO. 3940	



LS AA, 3950

Predom LS-AA, few tan mott brn, micro-xln, earthy, sl. arg w/ scat siltstn-gry-grn, soft waxy 3960

Predom Ls-crm, micro-xln, dense, no vis por. NS NO 2 pcs, sl foss. (pelletal), w/re-xln spar, dense, w/ P. v.fine, inter-foss por, sl.show bleeding oil, f.show on break, NO 3964 Stop

Flood Ls-crm, micro-xln, v. dense, sparry, few w/ arg filled frac, NS NO 3964 30min

LS AA w/ siltstn -gry-grn, dense waxy 3964 60min

Ls-crm, micro-xln, dense, sparry, few sl. arg, no vis por, NS NO 3980 30min

LS-AA

Ls- crm, micro-xln, sl. dense, sparry, no vis por. NS NO 4000

Ls-crm, micro-xln, sl. dense, sparry, some w/ v. fine inter-xln por. few light stain, sl.SFO, bleeding, sl. show on break w/ many tiny drops FO in tray f. cup odor. bright green flour. (20pcs) 4010

Predom Ls AA NS- few v.f.-xln (sugary) w/ sl.SFO bleeding abun scat chert-tan fresh sharp. Sh-blk dense waxy faint odor, no flour 4020

Ls-crm, micro-xln, dense, sparry, few w/ earthy brn stain, no vis por., NS NO 4030

Flood Ls-gry mott tan, micro-xln, v. dense, sparry, pyritic, no vis por., NS NO 4035

Ls- AA, few sl. foss (pelletal) w/ hvly re-xln spar. no vis por. NS NO 4035 60min

Ls-gry mott wht, micro-xln, dense, pyritic in some, no vis por., NS NO 4050

LS- AA sl chalky, NS NO 4070

Predom Ls-crm-gry, micro-xln, sl. dense, sl. chalky, w/ few pcs sh-blk dense sl. carb NS NO 4080

Muncie Creek Shale 4070ft. (-1241)

LS crm, micro-xln, v. dense, sparry no vis por. NS NO 4090

Ls-AA w/ Sh gry, soft globular, NS NO 4100

Flood Ls-brn mott crm, v. dense, sparry, sl. earthy, arg-chalky, few w/m-xln edges w/p. inter-xln por., med. brown stain, NSFO, show clingy flaky oil on break w/sl.odor, sl. cup odor 4110

Flood Sh gry-green shoft globular 4120

Flood Ls- crm, micro-xln, sl, dense, many pcs, foss (pelletal) w/ f. inner-xln - pin point por, sl.SFO, sl. odor 4130

Ls-crm, micro-xln dense, no vis por., NS NO 4135

LS-crm-gry, micro-xln dense, w/ siltstn gry-grm soft globular no vis por., NS NO 4135 30min

Flood Siltstn-gry-grm, soft globular NS NO4150

Flood LS-crm, micro-xln, dense, sl. chalky, few foss (ool) w/ p. oolcastic por. NS, NO 4160

CFS 3964
stop/30/60

CFS 3980
Stop/30/60

DST #1
E-F
3,983'-4,035'
30-60-30-60
Rec:115ft SLIOCM 1%O

IF: 86-100
ISIP: 1031
FF: 101-104
FSIP: 977
HP 1974-1976

Tool slid to bottom, sat, then lost packer seat. The test was picked up, zeroed out, and resat, some mud recovery is likly false

CFS 4035
Stop/30/60

DST #2
H-J
4,060'-4,160'
30-60-30-30
Rec:115ft MUD

IF: 93-93
ISIP: 1098
FF: 115-115
FSIP: 907
HP 2069-2004

CFS 4110
Stop/30/60

CFS 4135
Stop/30/60

Stark Shale 4157ft. (-1328)

CFS 4160
Stop/30/60

Flood Sh-blk, dense carb. 4160 30min

SH- blk, dense sl. carb w/ few LS-bm, micro-xln, v. dense, sparry, no vis por, NS NO4180

Ls-crm, micro-xln, sl.dense, chalky, v. few foss(ool) w/ p. inter-foss - sl.vuggy por, rest p. inter-xln, sl. lt. bm stain, sl.SFO,clingy on break, fair odor 4190

Ls- crm, micro-xln, sl. dense, chalky, w/p. inter-xln por. many w/sl sfo, f.show on break "clingy", sl. odor 4200

LS-crm, micro-xln, dense, w/ Sh-blk, dense, sl. carb, no vis por., NS NO 4200 30min

CFS 4200
Stop/30/60

Ls-gry, micro-xln, dense, no vis por., NS NO 4220

Ls-crm gry, micro-xln, dense, foss (pelletal-ool) w/ f. interfoss-por. NSFO, sl. show on break, lazy, clingy, f. odor 4230

Predom LS- crm, micro-xln dense, no vis por, few ool w/ show AA, sl. odor 4240

LS-crm-gry, micro-xln, dense no vis por. NS NO 4250

Flood siltstn-red gry-gm, soft globular.4260

Predom Siltstn AA w/ Few Ls-crm, micro-xln, dense, no vis por., NS NO 4270

Marmaton 4259ft. (-1430)

Flood LS -crm, micro-xln, dense, no vis por., NS NO 4280

LS-crm-bm, micro-xln, v. dense, sparry, w/ Sh-gm mott blk, dense waxy NS NO 4290

Flood Siltstn-red-bm, soft globular, w/ LS-crm mott red, micro-xln, dense, earthy, arg. no vis por. NS NO 4300

AA 4310

Flood LS-crm, micro-xln, sl. dense, 8pcs, w/fine inter-xln - sl. vuggy por, lt. bm stain, sl. SFO, f. show on break, lazy clingy, no odor. 4320

LS- crm, micro-xln, sl.dense, no vis por. NS NO 4330

Ls-crm-bm, micro-xln, dense, sparry, no vis por., NS NO 4340

LS AA 4350

Flood sh- blk, sl, carb, w/ Ls-crm, micro-xln, dense, sparry, few pcs pelletal, No vis por. NS NO 4360

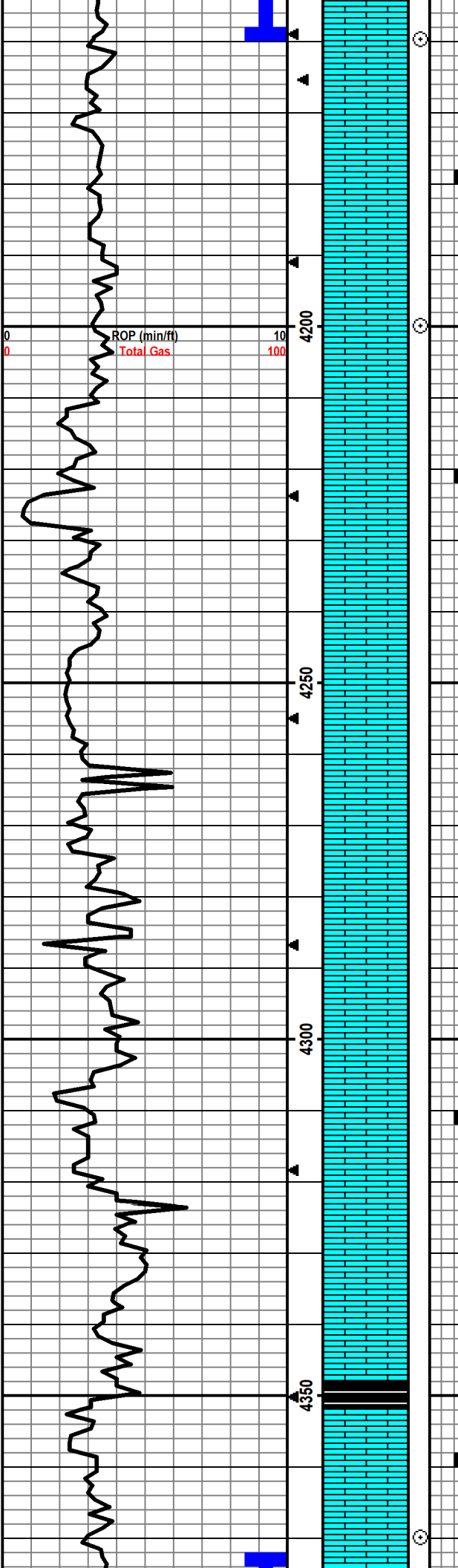
Ls-crm, micro-xln, v.dense sparry, few pcs pelletal, no vis por, 5pcs lt.bm stain, w/vsl inter-xln por on edge, sl. show free oil, sl. show on break, very light brown-trans oil, sl odor 4370

DST #3
Ft. Scott
3,373'-4,400'
30-60-30-900
Rec:
180 GIP
60 SLGHMCO

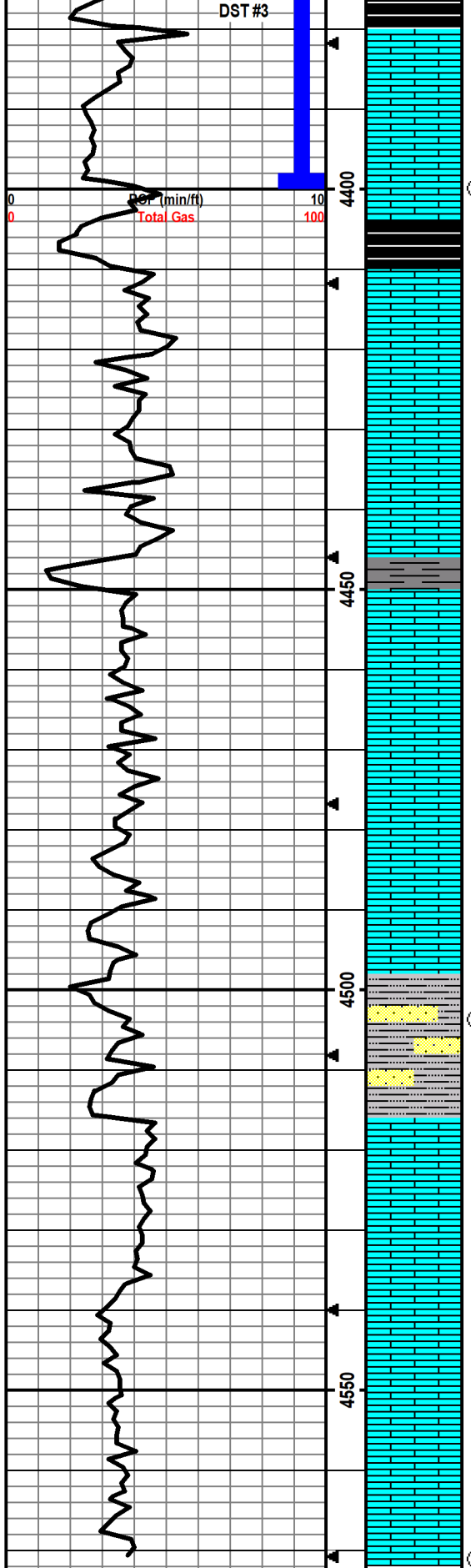
IF: 12-21
ISIP: 671
FF: 22-30
FSIP: 674
HP 2239-2091

CFS 4370
Stop/30/60

Little Osage Shale 4376ft (-1517)



Little Osage Shale 4376ft. (-1547)



Flood Sh-blk, dense, sl. carb, w/ LS, bm, micro-xln v.dense sparry, frac. no vis por. NS NO 4390

LS-cm-tan, micro-xln, dense, sparry, many soft, wht w/ f. inter-xln to pp. por, light bm stain, sli SFO, f. show on break, w/ pale gm flour. 4400

Excello Shale 4403ft. (-1574)

CFS 4400
Stop/30/60

Ls-bm, micro-xln, dense, foss (ool), hvy re-xln spar. w/ Flood Sh- blk dense sl. carb 4420

Ls cm, mott bm, micro-xln, dense, arg, no vis por., NS NO 4430

Predom Ls-cm, micro-xln, sl. dense arg, few bm sparry v.dense, n vis por., NS NO 4440

LS-tan-bm, micro-xln, dense, arg, no vis por., NS NO 4450

Predom LS-cm-tan, micro-xln, dense sl. sparry, w/ sh-blk dense waxy, no vis por., NS NO 4460

Ls-cm-bm, micro-xln, dense, sparry, few sl. pelletal, no vis por, ns no 4470

LS AA 4480

Ls-cm, micro-xln, dense w/ abun sitstn, soft globular 4490

"Johnson Zone" 4479ft. (-1650)

LS-bm, micro-xln, dense sparry, 5pcs w/ sl inter-xln por. light bm stain, NSFO, Sl. show on break, NO 4500

LS-AA, no vis por, 3 pcs, sli SFO on break no odor.

SS-Mustard-green, dense, w/sorted, w/ mded, w/ cmted, no vis por., NS NO 4520

CFS 4504
30/60min

Mississippian 4516ft. (-1687)

Flood Ls-cm, micro-xln, dense, sl. sandy, sl pelletal no vis por., NS NO 4530

Ls- cm-tan, micro-xln, dense, sl sandy, few pelletal sparry, no vis por, NS NO 4540

Ls-tan, mico-xln v.dense sparry, No vis por., NS NO 4550

Ls- AA 4560

Ls-cm-tan, micro-xln, v.dense, few ool, sparry, no vis por., NS NO 4570

Ls-tan, micro-xln, v.dense sparry, no vis por., NS NO 4571 30min

CFS 4571
30/60

RTD 4,571 6:07 P.M. 12/3/2022
LTD 4,572 12:00 A.M. 12/4/2022

