

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 Recompletion Date _____ 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
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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
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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:	
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Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

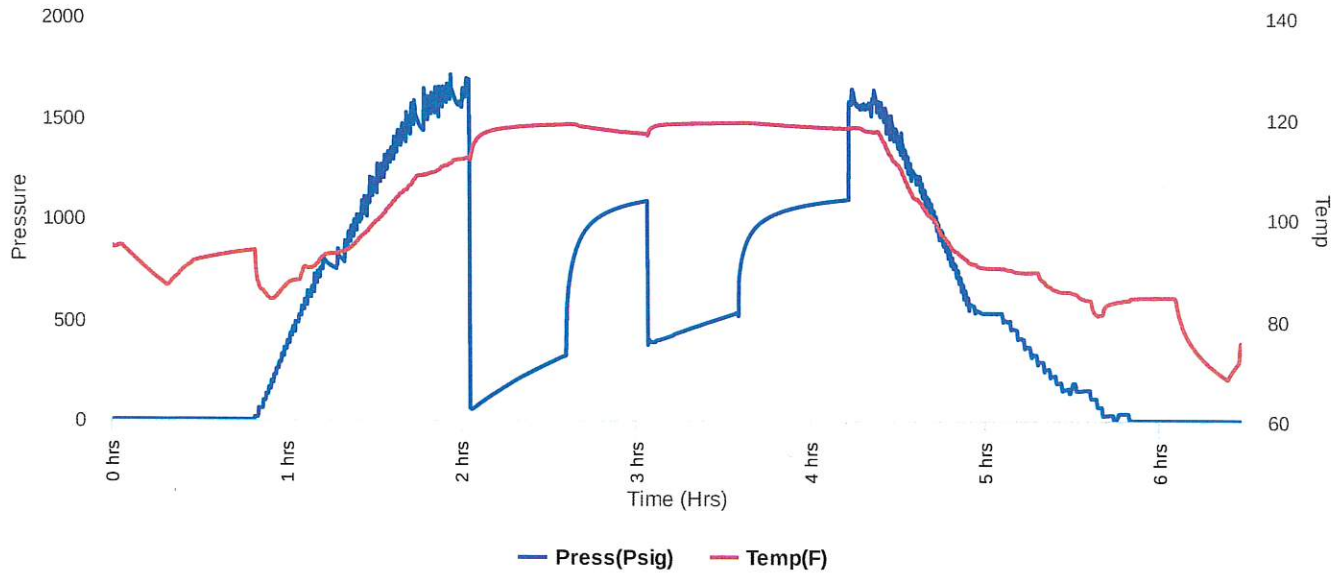
DATE
July
12
2024

DST #1 **Formation: Arbuckle** **Test Interval: 3178 - 3200'** **Total Depth: 3332'**
Time On: 19:50 07/12 Time Off: 02:07 07/13
Time On Bottom: 21:50 07/12 Time Off Bottom: 23:50 07/12

Electronic Volume Estimate:
1246'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 95.0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 73.0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 95.0"	Max Reading: 0"	Max Reading: 73.0"	Max Reading: 0"

Inside Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
 County: ELLSWORTH
 State: Kansas
 Drilling Contractor: White Knight Drilling, LLC - Rig 1
 Elevation: 1687 EGL
 Field Name: Geneseo-Edward
 Pool: Infield
 Job Number: 740
 API #: 15-053-21397

Operation:
 Test Complete

DATE
 July
12
 2024

DST #1 **Formation: Arbuckle** **Test Interval: 3178 - 3200'** **Total Depth: 3332'**
 Time On: 19:50 07/12 Time Off: 02:07 07/13
 Time On Bottom: 21:50 07/12 Time Off Bottom: 23:50 07/12

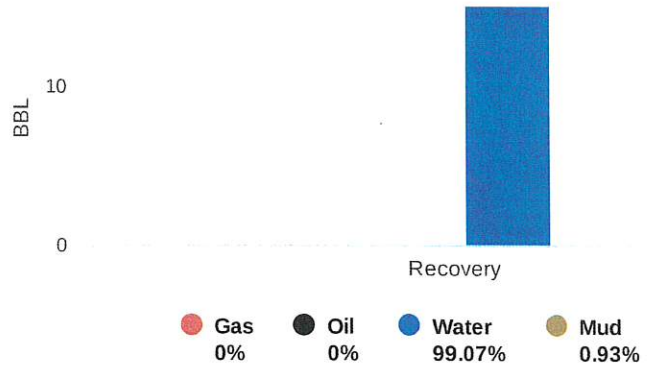
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1070	15.2261	W	0	0	100	0
10	0.1423	M	0	0	0	100

Total Recovered: 1080 ft
 Total Barrels Recovered: 15.3684

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1689	PSI
Initial Flow	53 to 321	PSI
Initial Closed in Pressure	1089	PSI
Final Flow Pressure	373 to 533	PSI
Final Closed in Pressure	1096	PSI
Final Hydrostatic Pressure	1585	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 0



Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:

Test Complete

DATE

July

12

2024

DST #1

Formation:
Arbuckle

Test Interval: 3178 - 3200'
Total Depth: 3332'

Time On: 19:50 07/12

Time Off: 02:07 07/13

Time On Bottom: 21:50 07/12 Time Off Bottom: 23:50 07/12

BUCKET MEASUREMENT:

1st Open: BOB in 2 mins. Built to 95.0 ins. in 30 mins.

1st Close: No blow back.

2nd Open: BOB in 3 mins. Built to 73.0 ins. in 30 mins.

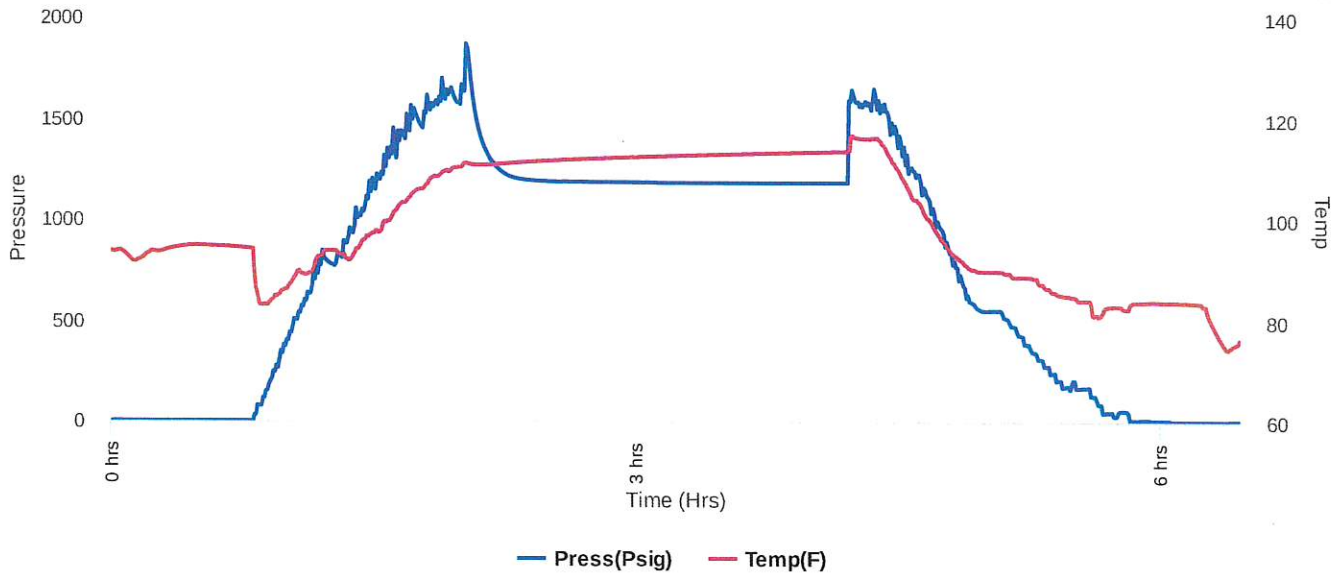
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 100% Water 0% Mud

Chlorides: 11,000 ppm

Below Straddle Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:

Test Complete

DATE

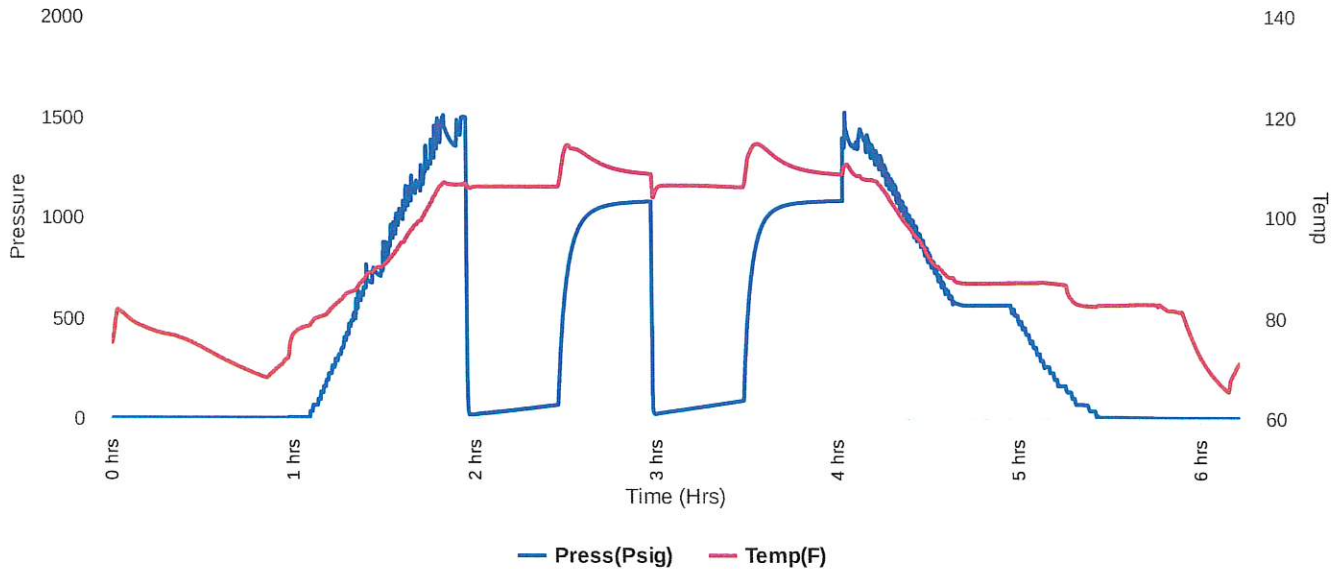
July
13
2024

DST #2 Formation: Lans "B" Test Interval: 2752 - 2763' Total Depth: 3332'
Time On: 02:43 07/13 Time Off: 08:45 07/13
Time On Bottom: 04:37 07/13 Time Off Bottom: 06:37 07/13

Electronic Volume Estimate:
0'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 1240.0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 1890.5" at 30 min	Current Reading: 0" at 30 min
Max Reading: 1240.0"	Max Reading: 0"	Max Reading: 1890.5"	Max Reading: 0"

Inside Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
 County: ELLSWORTH
 State: Kansas
 Drilling Contractor: White Knight Drilling, LLC - Rig 1
 Elevation: 1687 EGL
 Field Name: Geneseo-Edward
 Pool: Infield
 Job Number: 740
 API #: 15-053-21397

Operation:
 Test Complete

DATE
 July
13
 2024

DST #2 **Formation: Lans "B"** **Test Interval: 2752 - 2763'** **Total Depth: 3332'**
 Time On: 02:43 07/13 Time Off: 08:45 07/13
 Time On Bottom: 04:37 07/13 Time Off Bottom: 06:37 07/13

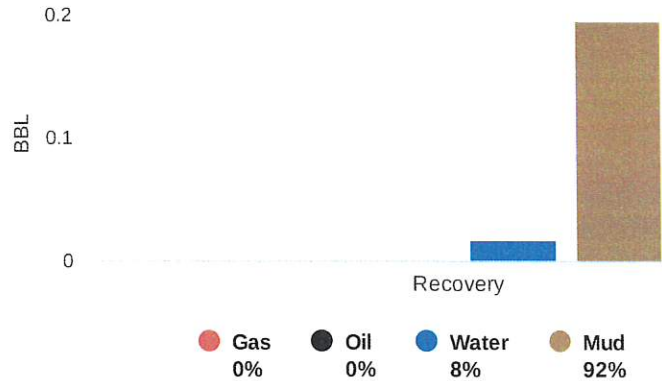
Recovered

<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
15	0.21345	SLWCM	0	0	8	92

Total Recovered: 15 ft
 Total Barrels Recovered: 0.21345

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1493	PSI
Initial Flow	17 to 66	PSI
Initial Closed in Pressure	1075	PSI
Final Flow Pressure	22 to 86	PSI
Final Closed in Pressure	1079	PSI
Final Hydrostatic Pressure	1391	PSI
Temperature	115	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 0



Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

DATE
July
13
2024

DST #2 **Formation: Lans "B"** **Test Interval: 2752 - 2763'** **Total Depth: 3332'**
Time On: 02:43 07/13 Time Off: 08:45 07/13
Time On Bottom: 04:37 07/13 Time Off Bottom: 06:37 07/13

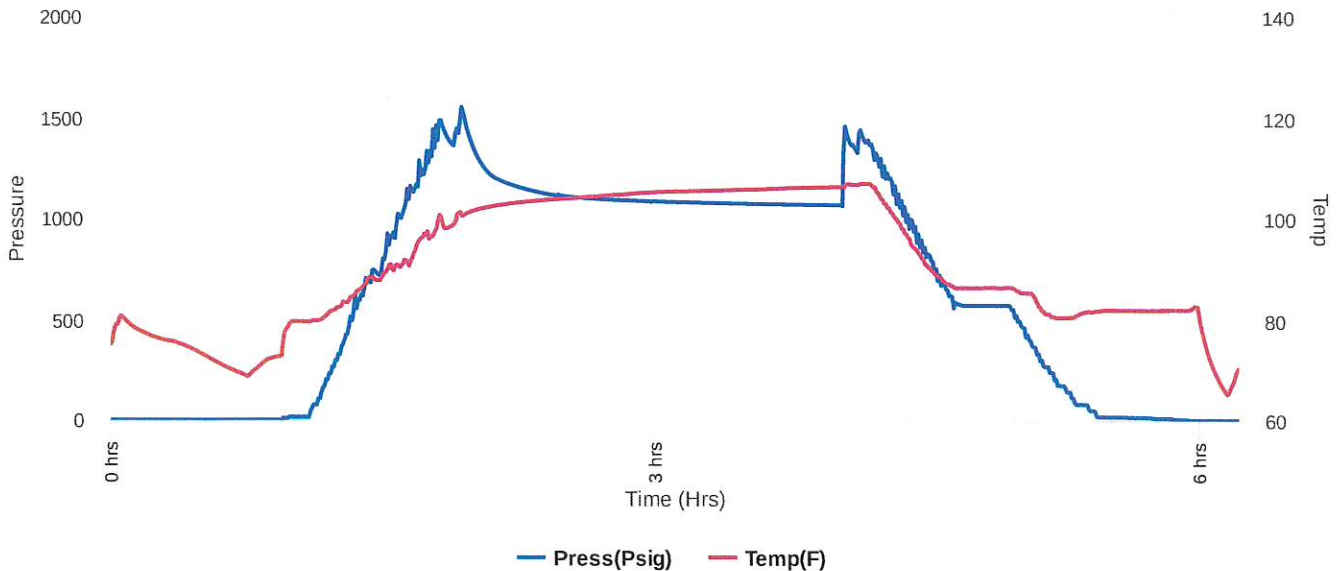
BUCKET MEASUREMENT:

1st Open: BOB in 2 secs. Built to 1240.0 ins. in 30 mins.
1st Close: No blow back.
2nd Open: BOB in 1 sec. Built to 1890.0 ins. in 30 mins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 5% Water 95% Mud

Below Straddle Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight
Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

DATE
July
13
2024

DST #2 **Formation: Lans "B"** **Test Interval: 2752 - 2763'** **Total Depth: 3332'**
Time On: 02:43 07/13 Time Off: 08:45 07/13
Time On Bottom: 04:37 07/13 Time Off Bottom: 06:37 07/13

Down Hole Makeup

Heads Up: 21.07 FT	Packer 1: 2746.5 FT
Drill Pipe: 2746.91 FT <i>ID-3 1/2</i>	Packer 2: 2752 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Packer 3: 2763 FT
Collars: FT <i>ID-2 1/4</i>	Top Recorder: 2738 FT
Test Tool: 27.16 FT <i>ID-3 1/2-FH</i>	Bottom Recorder: 2774 FT
Total Anchor: 11	Below Straddle Recorder: 3314 FT
	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 10 FT
4 1/2-FH

Change Over: FT

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

Change Over: FT

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

STRADDLE

Straddle Packer(s): 1 FT

Change Over: .5 FT

Drill Pipe: 539 FT
ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 19 FT
4 1/2-FH



Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

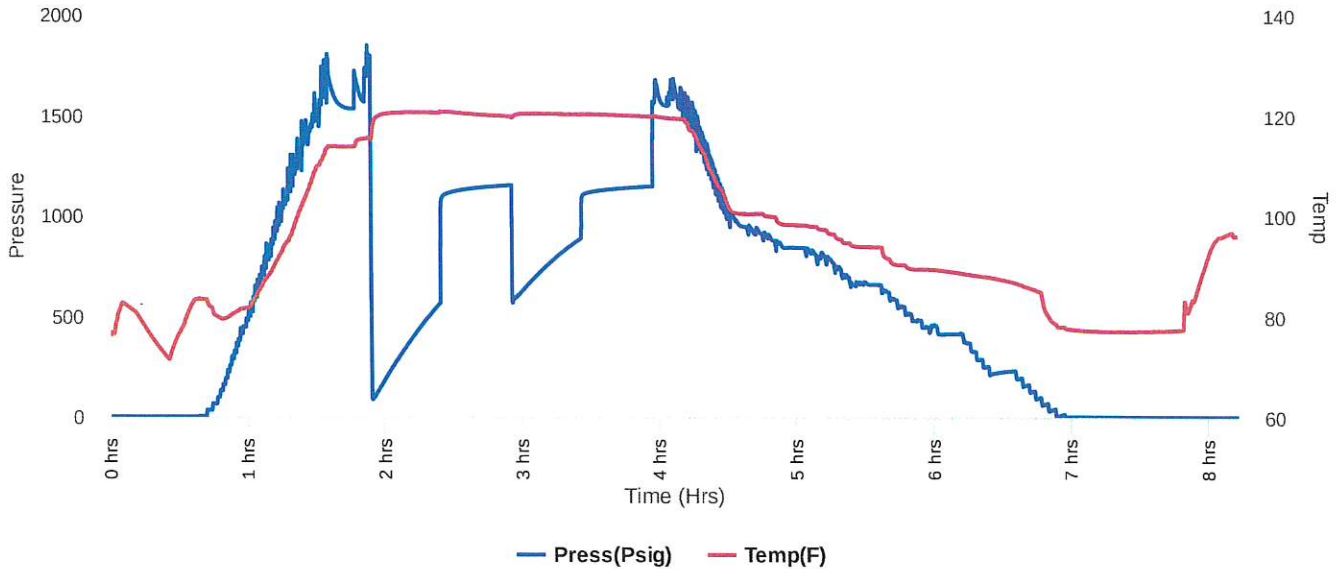
DATE
July
13
2024

DST #3 **Formation: Arbuckle** **Test Interval: 3226 - 3238'** **Total Depth: 3332'**
Time On: 10:17 07/13 Time Off: 18:14 07/13
Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

Electronic Volume Estimate:
2431'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 185.5" at 30 min	Current Reading: 0" at 30 min	Current Reading: 200.0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 185.5"	Max Reading: 0"	Max Reading: 200.0"	Max Reading: 0"

Inside Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
 County: ELLSWORTH
 State: Kansas
 Drilling Contractor: White Knight Drilling, LLC - Rig 1
 Elevation: 1687 EGL
 Field Name: Geneseo-Edward
 Pool: Infield
 Job Number: 740
 API #: 15-053-21397

Operation:
 Test Complete

DATE
 July
13
 2024

DST #3 **Formation: Arbuckle** **Test Interval: 3226 - 3238'** **Total Depth: 3332'**
 Time On: 10:17 07/13 Time Off: 18:14 07/13
 Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

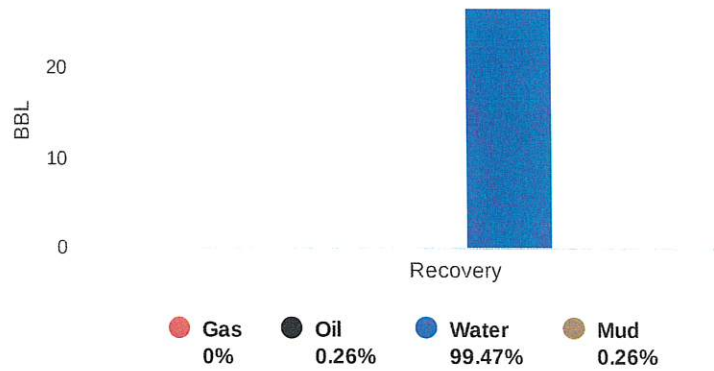
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
100	1.423	SLOCSLMCW	0	5	90	5
1800	25.614	W	0	0	100	0

Total Recovered: 1900 ft
 Total Barrels Recovered: 27.037

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1795	PSI
Initial Flow	94 to 566	PSI
Initial Closed in Pressure	1151	PSI
Final Flow Pressure	574 to 888	PSI
Final Closed in Pressure	1146	PSI
Final Hydrostatic Pressure	1676	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	0.5	%

GIP cubic foot volume: 0



Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

DATE
July
13
2024

DST #3 **Formation: Arbuckle** **Test Interval: 3226 - 3238'** **Total Depth: 3332'**
Time On: 10:17 07/13 Time Off: 18:14 07/13
Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

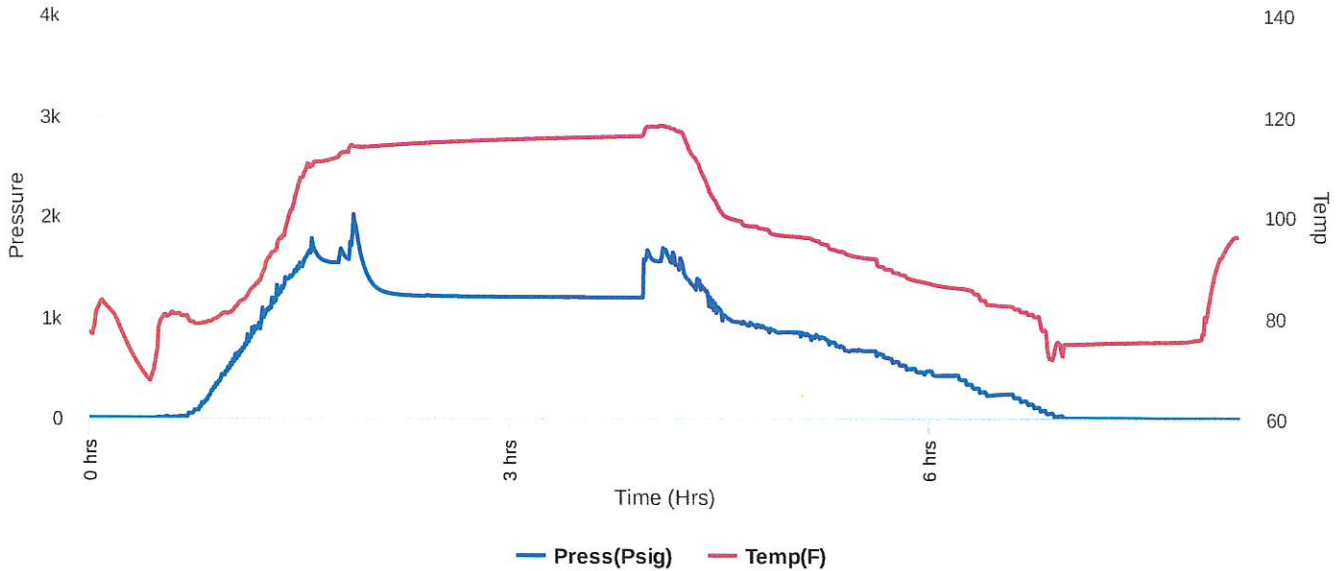
BUCKET MEASUREMENT:

1st Open: BOB in 1 min. 30 secs. Built to 185.5 ins. in 30 mins.
1st Close: No blow back.
2nd Open: BOB in 2 mins. 30 secs. Built to 200.0 ins. in 30 mins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 5% Oil 90% Water 0% Mud
Chlorides: 11,000 ppm

Below Straddle Recorder





Company: Castle Resources, Inc

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:
Test Complete

DATE
July
13
2024

DST #3 **Formation:** Arbuckle **Test Interval:** 3226 - 3238' **Total Depth:** 3332'
Time On: 10:17 07/13 Time Off: 18:14 07/13
Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

Down Hole Makeup

Heads Up: 23.07 FT **Packer 1:** 3220.5 FT
Drill Pipe: 3222.91 FT **Packer 2:** 3226 FT
 ID-3 1/2 **Packer 3:** 3238 FT
Weight Pipe: FT **Top Recorder:** 3212 FT
 ID-2 7/8 **Bottom Recorder:** 3248 FT
Collars: FT **Below Straddle Recorder:** 3313 FT
 ID-2 1/4 **Well Bore Size:** 7 7/8
Test Tool: 27.16 FT **Surface Choke:** 1"
 ID-3 1/2-FH **Bottom Choke:** 5/8"

Total Anchor: 12

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 11 FT
 4 1/2-FH

Change Over: FT

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

Change Over: FT

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

STRADDLE

Straddle Packer(s): 1 FT

Change Over: .5 FT

Drill Pipe: 63 FT
 ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 20 FT
 4 1/2-FH



**Company: Castle Resources,
Inc**

Lease: Mollhagen #2

SEC: 9 TWN: 17S RNG: 8W
County: ELLSWORTH
State: Kansas
Drilling Contractor: White Knight
Drilling, LLC - Rig 1
Elevation: 1687 EGL
Field Name: Geneseo-Edward
Pool: Infield
Job Number: 740
API #: 15-053-21397

Operation:

Test Complete

DATE

July

13

2024

DST #3

**Formation:
Arbuckle**

**Test Interval: 3226 -
3238'**

Total Depth: 3332'

Time On: 10:17 07/13

Time Off: 18:14 07/13

Time On Bottom: 12:06 07/13 Time Off Bottom: 14:06 07/13

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 30

Filtrate: 10.0

Chlorides: 8,000 ppm

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANYSITE RESOURCES INC. ELEVATIONS

LEASE: MOLLHAGEN #2

FIELD: KB 1892

LOCATION: 950 FNL 4260 FEL

SEC 9 TWP 17S RGE 8W

COUNTY: ELLSWORTH STATE: KS.

CONTRACTOR: WHITE KNIGHT DRILG.

SPUD: 7-8-24 COMP: 7-13-24

RTD: 3330' LTD: 3332'

MUD: 2500' TYPE: MUD CHEM.

SAMPLES SAVED FROM: 2500'

DRILLING TIME KEPT FROM: 2500'

SAMPLES EXAMINED FROM: 2500'

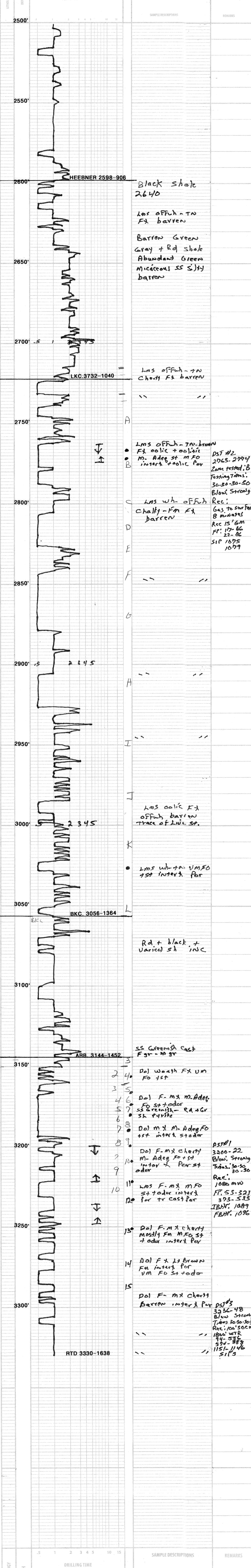
GEOLOGICAL SUPERVISION FROM: 2500'

GEOLOGIST ON WELL:

FORMATION TOPS	LOG	SAMPLES
HEEBNER	2598-906	2598-906
LKC.	3734-1042	3732-1040
BKC.	3070'-1378	3056-1364
ARB.	3147-1455	3144-1452
RTD.	3332-1640	3330-1638

REMARKS: This well was structurally high at the Lake top. Due to a crevasion sink or collapsed cave we were unable to find commercial production here. Because of the structural position at the LKC I would suggest that the driset at the Arbuckle was probably small in areal extent. *JG*

LEGEND



CONTRACTOR: _____ LOCATION: _____
LEASE: _____ IP: _____ SEC: _____ TWP: _____ RNG: _____
ELEVATION: _____ RTD: _____ COUNTY: _____ STATE: _____