

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) (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	Jason Oil Company, LLC
Well Name	M-S 1
Doc ID	1586701

Tops

Name	Top	Datum
HEEBNER	3945	-1554
LKC	3997	-1606
STARK	4263	-1872
BKC	4364	-1973
PAWNEE	4474	-2083
CHEROKEE	4560	-2169
MISSISSIPPI	4623	-2232
OSAGE	4646	-2255



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2258

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-21-21	8	22	23	Hodgeman	KS		9:15pm
Lease				Well No.		Owner	
MS				1		Winto	
Contractor				To Quality Oilwell Cementing, Inc.			
Discovery #2				You are hereby requested to rent cementing equipment and furnish			
Type Job				cementer and helper to assist owner or contractor to do work as listed.			
Surface							
Hole Size		T.D.		Charge To			
17 1/4		270		Jason Oil			
Csg.		Depth		Street			
8 5/8		269					
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered			
15				180 80/20 3 1/4 2 1/4 4 1/2			
Meas Line		Displace					
		16 BC					
<b>EQUIPMENT</b>				Common			
Pumptrk 17 No. Cementer				145			
Craig				Poz. Mix			
Helper				35			
Bulktrk No. Driver				Gel.			
Tom David				3			
Bulktrk 9 No. Driver				Calcium			
Tom				7			
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
8 5/8 on bottom. Est. Circulation				Handling			
Mix 180 size Dis Place.				190			
Cement Circulated;				Mileage			
				<b>FLOAT EQUIPMENT</b>			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Surface			
				Mileage			
				32			
Signature				Tax			
[Signature]				Discount			
				Total Charge			
				Thanks			



P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

# Invoice

DATE	INVOICE #
5/30/2021	33808

BILL TO
Castle Resources Inc. PO Box 583 Russell, KS 67665

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Popp	Sheridan		Oil	Workover	PTA	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
576D-P	Pump Charge - PTA				1	Job	925.00	925.00
328-4	60/40 Pozmix (4% Gel)				250	Sacks	11.00	2,750.00T
276	Flocele				75	Lb(s)	3.00	225.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				250	Sacks	1.85	462.50
583D	Drayage				276	Ton Miles	0.95	262.20
	Subtotal							4,875.70
	Sales Tax Sheridan County						8.50%	263.59

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$5,139.29
-------------------------------------	--------------	------------





TICKET 33808

CHARGE TO: JASON OIL CO CASTLE  
 ADDRESS  
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City WELL/PROJECT NO. # 7 LEASE MS COUNTY/PARISH Hodgeman STATE KS CITY Location DATE 5-30-2021 OWNER  
 2. TICKET TYPE  SERVICE CONTRACTOR Discard Oil RIG NAME/NO. #2 SHIPPED VIA OT DELIVERED TO Location ORDER NO.  
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Plug to Abandon WELL PERMIT NO.  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			25	mi	5.00	125.00
576P					Ramp Charge - PTA			1	job	925.00	925.00
328-4					60/40 Permox 476 gal			250	sk	11.00	2750.00
276					Flocele			75	lbs	3.00	225.00
29D					D-Air			3	gal	42.00	126.00
581					CMT Service Charge			1	sk	462.50	462.50
583					Drillage			28075	lbs	0.95	26220.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
**X**

DATE SIGNED 5-30-2021 TIME SIGNED 1:00  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO  
 WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO  
 ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

PAGE TOTAL 1 TOTAL 5112.93

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR William Trucks APPROVAL William Trucks

Thank You!

JOB LOG *Castle*

SWIFT Services, Inc.

DATE *5-30-2021* PAGE NO. *1*

CUSTOMER *JASON OIL Co* WELL NO. *#1* LEASE *MS* JOB TYPE *Rotary PTA* TICKET NO. *33808*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>1000</i>							<i>ON LOCATION 4 1/2" DP x 7 1/8" O.P.</i>
	<i>1120</i>	<i>4</i>	<i>13.1</i>		<input checked="" type="checkbox"/>		<i>250</i>	<i>Plug @ 1680' w/ 50 sks - Displace w/ Mud</i>
	<i>1215</i>	<i>4</i>	<i>21</i>		<input checked="" type="checkbox"/>		<i>200</i>	<i>Plug @ 810' w/ 80 sks</i>
	<i>1245</i>	<i>4</i>	<i>13.1</i>		<input checked="" type="checkbox"/>		<i>100</i>	<i>Plug @ 300' w/ 50 sks</i>
	<i>1310</i>	<i>4</i>	<i>5.25</i>		<input checked="" type="checkbox"/>		<i>50</i>	<i>Plug @ 60' w/ 20 sks</i>
	<i>1320</i>	<i>3</i>	<i>8</i>		<input checked="" type="checkbox"/>		<i>50</i>	<i>Plug RAT Hole w/ 30 sks</i>
	<i>1325</i>		<i>5.25</i>		<input checked="" type="checkbox"/>		<i>50</i>	<i>Plug Mouse Hole w/ 20 sks</i>
	<i>1330</i>							<i>Wash up Trk #112</i>
	<i>1400</i>							<i>Job Complete</i>
								<i>250 sks of 60/40 Pozmix 4% ogd @ 13.1 pps used [w/ 1/4" Flo]</i>
								<i>Thanks!</i>
								<i>Rudon, Kevly, Dusty</i>

*like*





# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 4  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

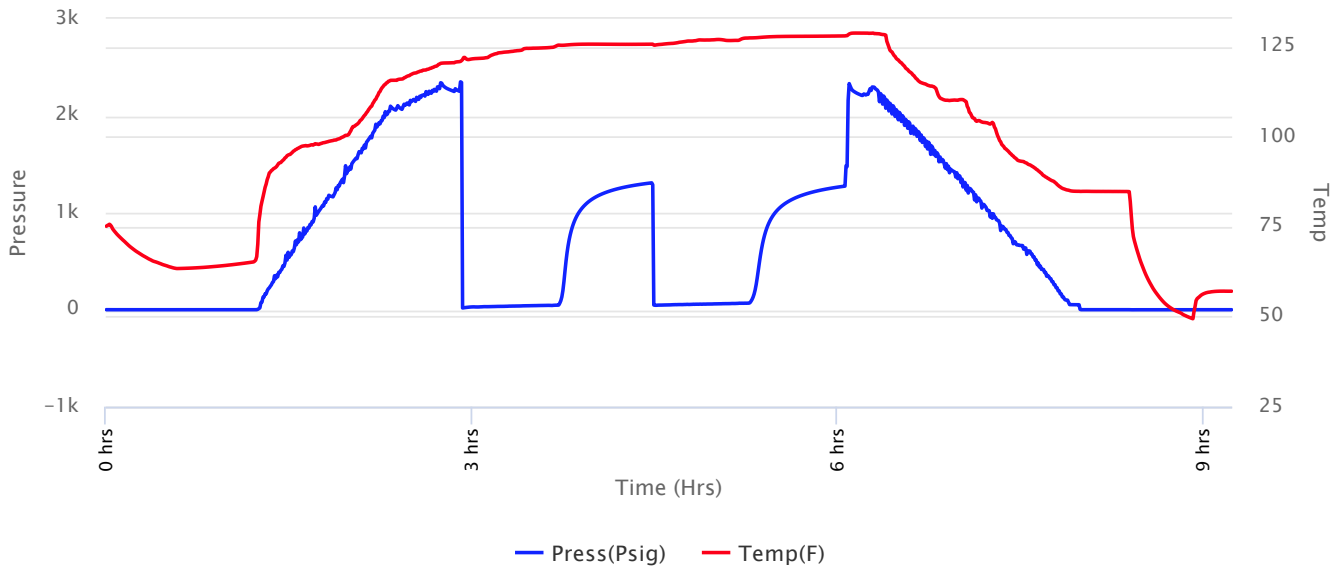
**DATE**  
May  
**27**  
2021

**DST #1**      **Formation: Miss**      **Test Interval: 4580 - 4648'**      **Total Depth: 4648'**  
Time On: 21:09 05/27      Time Off: 06:09 05/28  
Time On Bottom: 00:02 05/28      Time Off Bottom: 03:02 05/28

Electronic Volume Estimate:  
129'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 45	Minutes: 45	Minutes: 45	Minutes: 45
Current Reading: 3.75" at 45 min	Current Reading: 0" at 45 min	Current Reading: 5.25" at 45 min	Current Reading: 0" at 45 min
Max Reading: 3.75"	Max Reading: 0"	Max Reading: 5.25"	Max Reading: 0"

Inside Recorder





# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
 County: HODGEMAN  
 State: Kansas  
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 4  
 Elevation: 2388 EGL  
 Field Name: Nova North  
 Pool: Infield  
 Job Number: 486  
 API #: 15-083-21987-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 May  
**27**  
 2021

**DST #1**      **Formation: Miss**      **Test Interval: 4580 - 4648'**      **Total Depth: 4648'**  
 Time On: 21:09 05/27      Time Off: 06:09 05/28  
 Time On Bottom: 00:02 05/28      Time Off Bottom: 03:02 05/28

Recovered

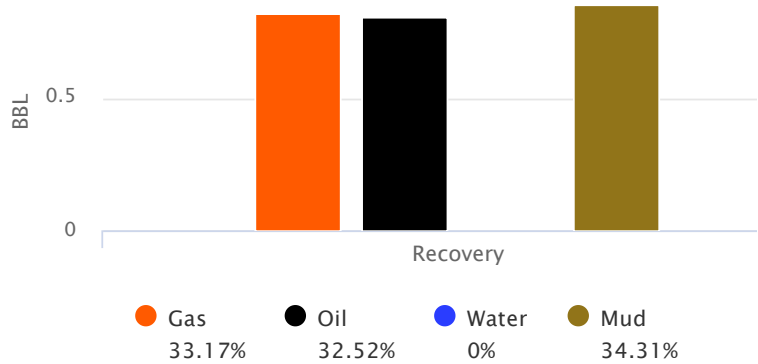
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
58	0.82534	G	100	0	0	0
55	0.78265	O	0	100	0	0
81	0.8799401	SLOCM	0	3	0	97

Total Recovered: 194 ft  
 Total Barrels Recovered: 2.4879301

Reversed Out  
 NO

Initial Hydrostatic Pressure	2253	PSI
Initial Flow	20 to 48	PSI
<b>Initial Closed in Pressure</b>	<b>1309</b>	<b>PSI</b>
Final Flow Pressure	48 to 72	PSI
<b>Final Closed in Pressure</b>	<b>1275</b>	<b>PSI</b>
Final Hydrostatic Pressure	2255	PSI
Temperature	128	°F
Pressure Change Initial Close / Final Close	2.6	%

**Recovery at a glance**



GIP cubic foot volume: 4.63387



**Company: Jason Oil Company,  
LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 4  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
May  
**27**  
2021

<b>DST #1</b>	<b>Formation: Miss</b>	<b>Test Interval: 4580 - 4648'</b>	<b>Total Depth: 4648'</b>
	Time On: 21:09 05/27	Time Off: 06:09 05/28	
	Time On Bottom: 00:02 05/28	Time Off Bottom: 03:02 05/28	

**BUCKET MEASUREMENT:**

1st Open: 1/2" Blow. Built to 3 3/4 inches in 45 mintues  
1st Close: NOBB  
2nd Open: WSB. Built to 5 1/4 inches in 45 mintues  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 5% Gas 10% Oil 0% Water 85% Mud  
Gravity: 36.1 @ 60 °F



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 4  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**27**  
2021

**DST #1**      **Formation: Miss**      **Test Interval: 4580 - 4648'**      **Total Depth: 4648'**  
Time On: 21:09 05/27      Time Off: 06:09 05/28  
Time On Bottom: 00:02 05/28      Time Off Bottom: 03:02 05/28

### Down Hole Makeup

<b>Heads Up:</b> 32.04 FT	<b>Packer 1:</b> 4575.03 FT
<b>Drill Pipe:</b> 4550.21 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4580.03 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4564.45 FT
<b>Collars:</b> 29.29 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4617 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 67.97	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 2 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 31.47 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 32 FT <i>4 1/2-FH</i>	





**Company: Jason Oil Company,  
LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 4  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
May  
**27**  
2021

**DST #1      Formation: Miss      Test Interval: 4580 -      Total Depth: 4648'**  
**4648'**  
Time On: 21:09 05/27      Time Off: 06:09 05/28  
Time On Bottom: 00:02 05/28      Time Off Bottom: 03:02 05/28

**Mud Properties**

**Mud Type: Chem      Weight: 9.3      Viscosity: 55      Filtrate: 9.2      Chlorides: 3200 ppm**



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 4  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**27**  
2021

**DST #1**      **Formation: Miss**      **Test Interval: 4580 - 4648'**      **Total Depth: 4648'**  
Time On: 21:09 05/27      Time Off: 06:09 05/28  
Time On Bottom: 00:02 05/28      Time Off Bottom: 03:02 05/28

### Gas Volume Report

1st Open

2nd Open

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

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



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

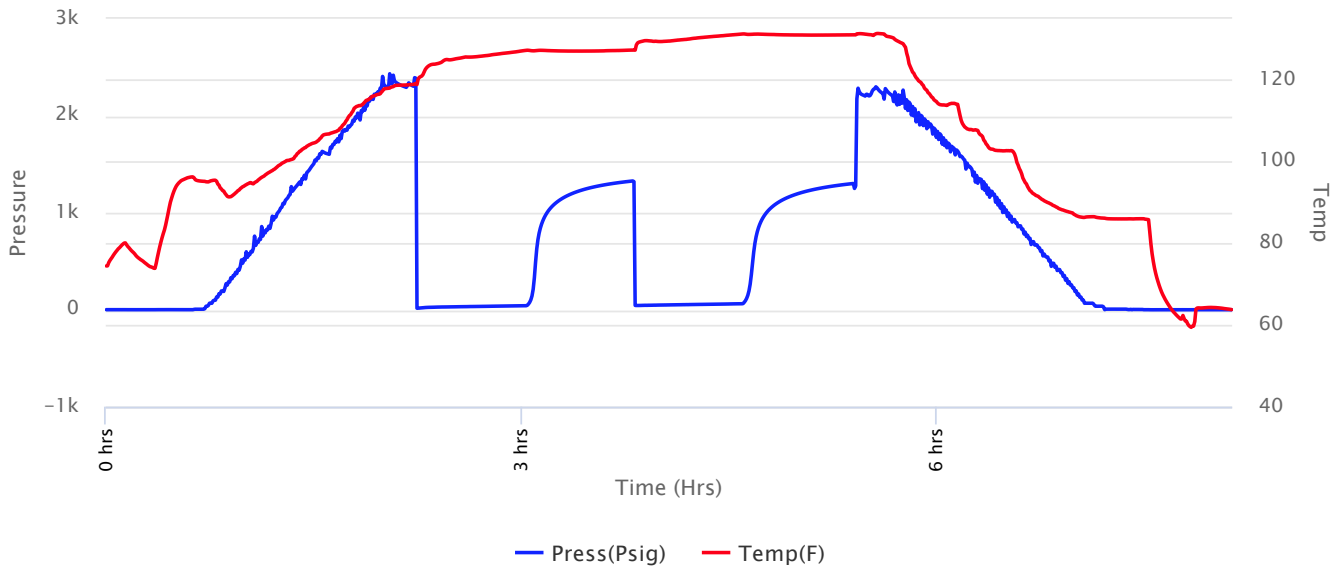
**DATE**  
May  
**28**  
2021

**DST #2**      **Formation: Miss**      **Test Interval: 4644 - 4653'**      **Total Depth: 4653'**  
Time On: 15:36 05/28      Time Off: 23:31 05/28  
Time On Bottom: 17:47 05/28      Time Off Bottom: 20:47 05/28

Electronic Volume Estimate:  
115'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 45	Minutes: 45	Minutes: 45
Current Reading: 4.2" at 45 min	Current Reading: 0" at 45 min	Current Reading: 3.6" at 45 min	Current Reading: 0" at 45 min
Max Reading: 4.2"	Max Reading: 0"	Max Reading: 3.6"	Max Reading: 0"

Inside Recorder





**Company: Jason Oil Company, LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
 County: HODGEMAN  
 State: Kansas  
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
 Elevation: 2388 EGL  
 Field Name: Nova North  
 Pool: Infield  
 Job Number: 486  
 API #: 15-083-21987-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 May  
**28**  
 2021

**DST #2**      **Formation: Miss**      **Test Interval: 4644 - 4653'**      **Total Depth: 4653'**  
 Time On: 15:36 05/28      Time Off: 23:31 05/28  
 Time On Bottom: 17:47 05/28      Time Off Bottom: 20:47 05/28

Recovered

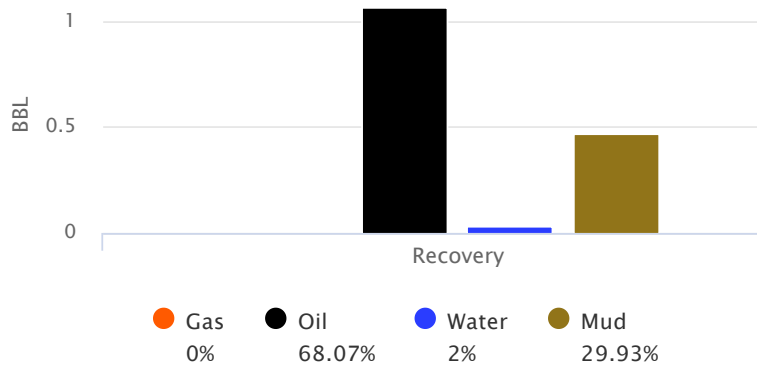
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
66	0.93918	O	0	100	0	0
63	0.6238001	SLWCOCM	0	20	5	75

Total Recovered: 129 ft  
 Total Barrels Recovered: 1.5629801

Reversed Out  
 NO

Initial Hydrostatic Pressure	2294	PSI
Initial Flow	15 to 41	PSI
<b>Initial Closed in Pressure</b>	<b>1328</b>	<b>PSI</b>
Final Flow Pressure	45 to 63	PSI
<b>Final Closed in Pressure</b>	<b>1302</b>	<b>PSI</b>
Final Hydrostatic Pressure	2285	PSI
Temperature	132	°F
Pressure Change Initial Close / Final Close	2.0	%

**Recovery at a glance**



GIP cubic foot volume: 0





**Company: Jason Oil Company,  
LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
May  
**28**  
2021

<b>DST #2</b>	<b>Formation: Miss</b>	<b>Test Interval: 4644 - 4653'</b>	<b>Total Depth: 4653'</b>
	Time On: 15:36 05/28	Time Off: 23:31 05/28	
	Time On Bottom: 17:47 05/28	Time Off Bottom: 20:47 05/28	

**BUCKET MEASUREMENT:**

1st Open: WSB. Built to 4 1/4 inches in 45 mintues  
1st Close: NOBB  
2nd Open: WSB. Built to 3 1/2 inches in 45 mintues  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 10% Oil 10% Water 80% Mud  
Gravity: 35.4 @ 60 °F



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**28**  
2021

**DST #2**      **Formation: Miss**      **Test Interval: 4644 - 4653'**      **Total Depth: 4653'**  
Time On: 15:36 05/28      Time Off: 23:31 05/28  
Time On Bottom: 17:47 05/28      Time Off Bottom: 20:47 05/28

### Down Hole Makeup

<b>Heads Up:</b> 29.87 FT	<b>Packer 1:</b> 4639 FT
<b>Drill Pipe:</b> 4612.01 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4644 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4628.42 FT
<b>Collars:</b> 29.29 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4646 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 9	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	



**Company: Jason Oil Company,  
LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
May  
**28**  
2021

**DST #2      Formation: Miss      Test Interval: 4644 -      Total Depth: 4653'**  
**4653'**  
Time On: 15:36 05/28      Time Off: 23:31 05/28  
Time On Bottom: 17:47 05/28      Time Off Bottom: 20:47 05/28

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.4      **Viscosity:** 48      **Filtrate:** 8      **Chlorides:** 4300 ppm



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**28**  
2021

**DST #2**      **Formation: Miss**      **Test Interval: 4644 - 4653'**      **Total Depth: 4653'**  
Time On: 15:36 05/28      Time Off: 23:31 05/28  
Time On Bottom: 17:47 05/28      Time Off Bottom: 20:47 05/28

### Gas Volume Report

1st Open

2nd Open

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

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





# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**29**  
2021

**DST #3**      **Formation: Miss**      **Test Interval: 4652 - 4661'**      **Total Depth: 4661'**  
Time On: 07:49 05/29      Time Off: 16:56 05/29  
Time On Bottom: 10:46 05/29      Time Off Bottom: 13:46 05/29

Electronic Volume Estimate:  
85'

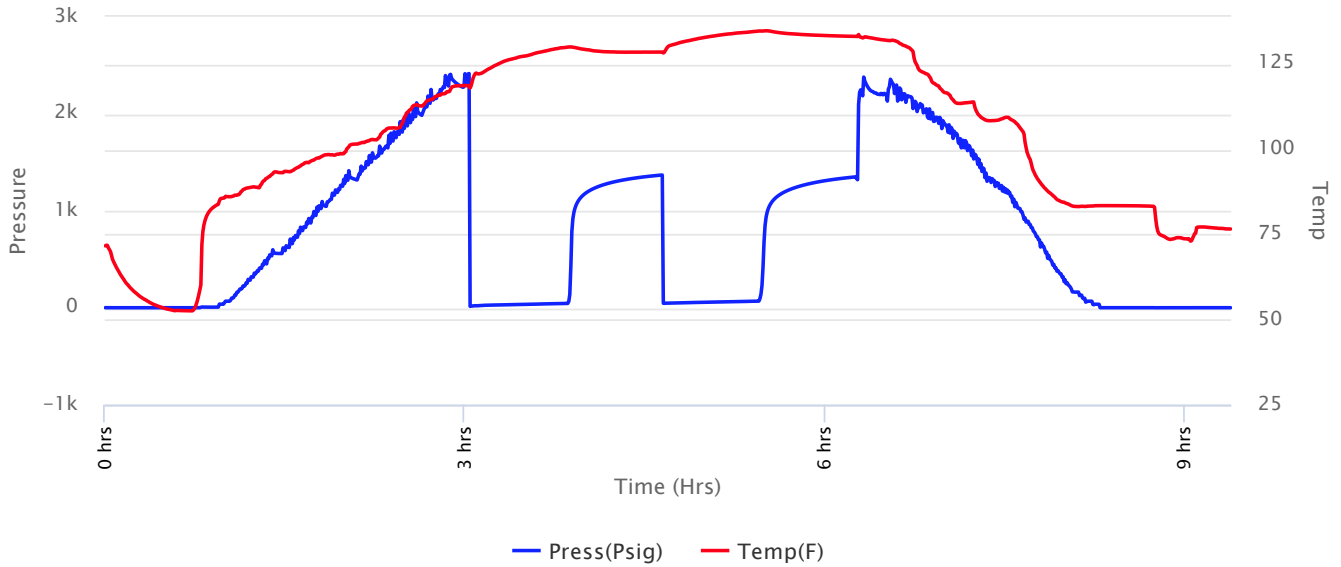
1st Open  
Minutes: 45  
Current Reading: 3" at 45 min  
Max Reading: 3"

1st Close  
Minutes: 45  
Current Reading: .1" at 45 min  
Max Reading: .1"

2nd Open  
Minutes: 45  
Current Reading: 2.2" at 45 min  
Max Reading: 2.2"

2nd Close  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

Inside Recorder





**Company: Jason Oil Company, LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
 County: HODGEMAN  
 State: Kansas  
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
 Elevation: 2388 EGL  
 Field Name: Nova North  
 Pool: Infield  
 Job Number: 486  
 API #: 15-083-21987-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 May  
**29**  
 2021

**DST #3**      **Formation: Miss**      **Test Interval: 4652 - 4661'**      **Total Depth: 4661'**  
 Time On: 07:49 05/29      Time Off: 16:56 05/29  
 Time On Bottom: 10:46 05/29      Time Off Bottom: 13:46 05/29

Recovered

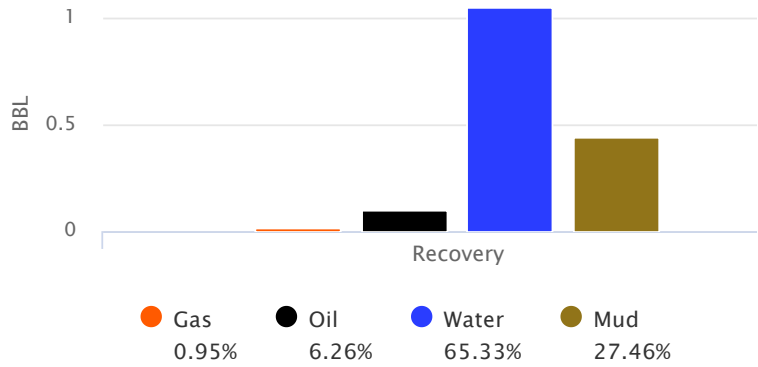
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
6	0.08538	O	0	100	0	0
126	1.5202901	SLGCSLOCMCW	1	1	69	29

Total Recovered: 132 ft  
 Total Barrels Recovered: 1.6056701

Reversed Out  
 NO

Initial Hydrostatic Pressure	2273	PSI
Initial Flow	15 to 45	PSI
<b>Initial Closed in Pressure</b>	<b>1369</b>	<b>PSI</b>
Final Flow Pressure	46 to 68	PSI
<b>Final Closed in Pressure</b>	<b>1349</b>	<b>PSI</b>
Final Hydrostatic Pressure	2275	PSI
Temperature	135	°F
Pressure Change Initial Close / Final Close	1.4	%

**Recovery at a glance**



GIP cubic foot volume: 0.08536



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**29**  
2021

**DST #3      Formation: Miss      Test Interval: 4652 - 4661'      Total Depth: 4661'**  
Time On: 07:49 05/29      Time Off: 16:56 05/29  
Time On Bottom: 10:46 05/29      Time Off Bottom: 13:46 05/29

### BUCKET MEASUREMENT:

1st Open: 1/4 Blow. Built to 3 inches in 45 mintues  
1st Close: Very Weak Blow Back  
2nd Open: WSB. Built 2 1/4 inches in 45 mintues  
2nd Close: NOBB

### REMARKS:

Tool Sample: 0% Gas 1% Oil 84% Water 15% Mud  
Gravity: 35.5 @ 60 °F  
Ph: 7  
Measured RW: .46 @ 75 degrees °F  
RW at Formation Temp: 0.265 @ 135 °F  
Chlorides: 27000 ppm



# Company: Jason Oil Company, LLC

## Lease: M-S #1

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
May  
**29**  
2021

**DST #3**      **Formation: Miss**      **Test Interval: 4652 - 4661'**      **Total Depth: 4661'**  
Time On: 07:49 05/29      Time Off: 16:56 05/29  
Time On Bottom: 10:46 05/29      Time Off Bottom: 13:46 05/29

### Down Hole Makeup

<b>Heads Up:</b> 23.95 FT	<b>Packer 1:</b> 4647 FT
<b>Drill Pipe:</b> 4614.09 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4652 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4636.42 FT
<b>Collars:</b> 29.29 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4654 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 9	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	





**Company: Jason Oil Company,  
LLC**

**Lease: M-S #1**

SEC: 8 TWN: 22S RNG: 23W  
County: HODGEMAN  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 2388 EGL  
Field Name: Nova North  
Pool: Infield  
Job Number: 486  
API #: 15-083-21987-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
May  
**29**  
2021

**DST #3      Formation: Miss      Test Interval: 4652 -      Total Depth: 4661'**  
**4661'**  
Time On: 07:49 05/29      Time Off: 16:56 05/29  
Time On Bottom: 10:46 05/29      Time Off Bottom: 13:46 05/29

**Mud Properties**

**Mud Type: Chem      Weight: 9.5      Viscosity: 56      Filtrate: 9.2      Chlorides: 5300 ppm**



<b>Marc A. Downing</b>		<b>Geologic Report</b>	
<b>Consulting Petroleum Geologist</b>		<b>Drilling Time and Sample Log</b>	
<b>Operator Jason Oil Company, LLC</b>		Elevation KB 2391 DF 2389 GL 2383	
Lease <b>M-S</b> No. 1		Casing Record Surface 8 5/8" @ 270' Production None	
API # <b>15-083-21987-0000</b>		Electrical Surveys None	
Field <b>Nova North</b>		CNDL, DIL MEL	
Location <b>2195' FSL &amp; 1240' FEL</b>			
Sec. <b>8</b>	Twp. <b>22s</b>	Rge. <b>23w</b>	
County <b>Hodgman</b>	State <b>Kansas</b>		
<b>Formation</b>	<b>Sample tops</b>	<b>Log Tops</b>	<b>Datum</b> <b>Struct Comp</b>
Top Anhydrite	1650	1652	+739 NA
Base Anhydrite	1679	1681	+710 NA
Heebner	3945	3945	-1554 NA
LKC	3995	3997	-1606 NA
Stark	4262	4263	-1872 +5
BKC	4363	4364	-1973 +14
Pawnee	4472	4474	-2083 +5
Cherokee Sh	4559	4560	-2169 +4
Mississippi	4623	4623	-2232 +6
Osage	4641	4646	-2255 -10
Total Depth	4661	4663	-2272
Reference Well For Structural Comparison Rehmer #1 NW-SE Sec. 8-22s-23w		Colorado Oil and Gas Co.	

Drilling Contractor <b>Discovery Drilling, Rig #2</b>	
Commenced <b>5-21-21</b>	Completed <b>5-29-21</b>
Samples Saved From <b>3950</b>	To <b>RTD</b>
Drilling Time Kept From <b>3850</b>	To <b>RTD</b>
Samples Examined From <b>3950</b>	To <b>RTD</b>
Geological Supervision From <b>3950</b>	To <b>RTD</b>

**Summary and Recommendations**

The M-S #1 ran structurally high to nearby production on all formations except the Osage. The Warsaw was dramatically thicker than the nearest production which caused our Osage to be much lower than expected. We had three non-commercial drill stem tests, the first two of which had low fluid with some oil and little to no water, and the third having mostly water. After evaluation of the logs, the decision was made by all concerned parties to plug and abandon the well.

I left location after DST #1 for vacation and the wellsite geology was completed by Jason Alm.

Respectfully Submitted,

Marc A. Downing

**ROCK TYPES**  
shale, red  
Carbon Sh  
shale, grn  
Lmsst fw?>

**ACCESSORIES**  
Cht  
Dolprim

**OTHER SYMBOLS**  
DST Int  
DST alt  
Core  
tail pipe

**MISC**  
Daily Report  
Digital Photo  
Document  
Folder  
Link  
Vertical Log File  
Horizontal Log File  
Core Log File  
Drill Cuttings Rpt

**OIL SHOWS**  
Even Stn 50 - 75 %  
Spotted Stn 25 - 50 %  
Spotted Stn 1 - 25 %  
Questionable Stn  
Dead Oil Stn  
Fluorescence

**STRINGER**  
Dolomite  
carb shale

