

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
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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) (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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Form	ACO1 - Well Completion
Operator	Adeco, Inc.
Well Name	DONNIE 1
Doc ID	1563820

Tops

Name	Top	Datum
Topeka	3270	-684
Heebner	3390	-804
Toronto	3418	-832
Lansing	3430	-844
Swope	3596	-1010
BKC	3632	-1046
G. Wash	3822	-1236
RTD	3843	-1257
LTD	3843	-1257

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0222
 LOCATION Hoxto MS
 FOREMAN Mitess

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/8/20		Donnie #1	2	2 S	27 W	DeCATur

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Adeco Inc	101	SackT		
	102	Mitess		

CUSTOMER	STATE	ZIP CODE
Adeco Inc	MS	67601

JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT
Surface	12.25"		8 5/8 - 24 #

CASING DEPTH	DRILL PIPE	TUBING	OTHER

SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING

DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE
20.5 bbls			

REMARKS: Safety meeting and Rig up on WU drilling Rig #8 Circulate casing
 M.x 750 sk 60/40 38cc 28 gal dis place 20.5 bbls water shut in
 Cement did Circulate

Extra cement on Pusher request Sandybritlines Thanks Mitess crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE	1150. ⁰⁰	1150. ⁰⁰
M001	45	MILEAGE	6.50	292.50
M002	143	Ton Mitess delivery	1.50	214.50
16614	250 sk	60/40 38cc 28 gal	18.25	4562.50
			Subtotal	6767.75
			less 40%	2707.10
			Subtotal	4060.65
			SALES TAX	205.31
			ESTIMATED TOTAL	4265.96

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

FRANKS Oilfield Service

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 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0228

LOCATION Holt Co MO

FOREMAN Timothy Shaw

FIELD TICKET & TREATMENT REPORT CEMENT

*Bill Jackson
785-650-2860*

MO

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/15/20		Donnie #1	2	2 S	27 W	DeCATUR
CUSTOMER Adeco			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			101	Timothy		
CITY		STATE	ZIP CODE			

JOB TYPE OHP HOLE SIZE 7 7/8" HOLE DEPTH 3843 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4.5" TUBING _____ OTHER _____
 SLURRY WEIGHT 13.7 SLURRY VOL 1.4 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & Rig up on Woodruff Rig #8 Plus as ordered
1st plus 50sx @ 2100'
2nd plus 100sx @ 1375' displaced w/ mud rotary
3rd plus 50sx @ 375'
4th plus 10sx @ 41'
RH 305x 240sx 60/40 4200 1/4 # PL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL00R		PUMP CHARGE	1150. ⁰⁰	1150. ⁰⁰
M001	45	MILEAGE	6.50	292.50
M0	10,68 ton	ton miles delivery	1.50	720.90
CB010	240sx	60/40 42gal 1/4 # PL	16.25	3900. ⁰⁰
			Subtotal	1,063.40
			less 45% disc	3334.8
			Subtotal	
			less 45% disc	2728.8
			Subtotal	3334.8
			SALES TAX	160.88
			ESTIMATED TOTAL	3495.7

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
12
 2020

DST #1 **Formation: Toronto-
L/KC "A"** **Test Interval: 3382 -
3439'** **Total Depth: 3439'**
 Time On: 13:38 10/12 Time Off: 20:26 10/12
 Time On Bottom: 16:03 10/12 Time Off Bottom: 18:48 10/12

Electronic Volume
 Estimate:
 208'

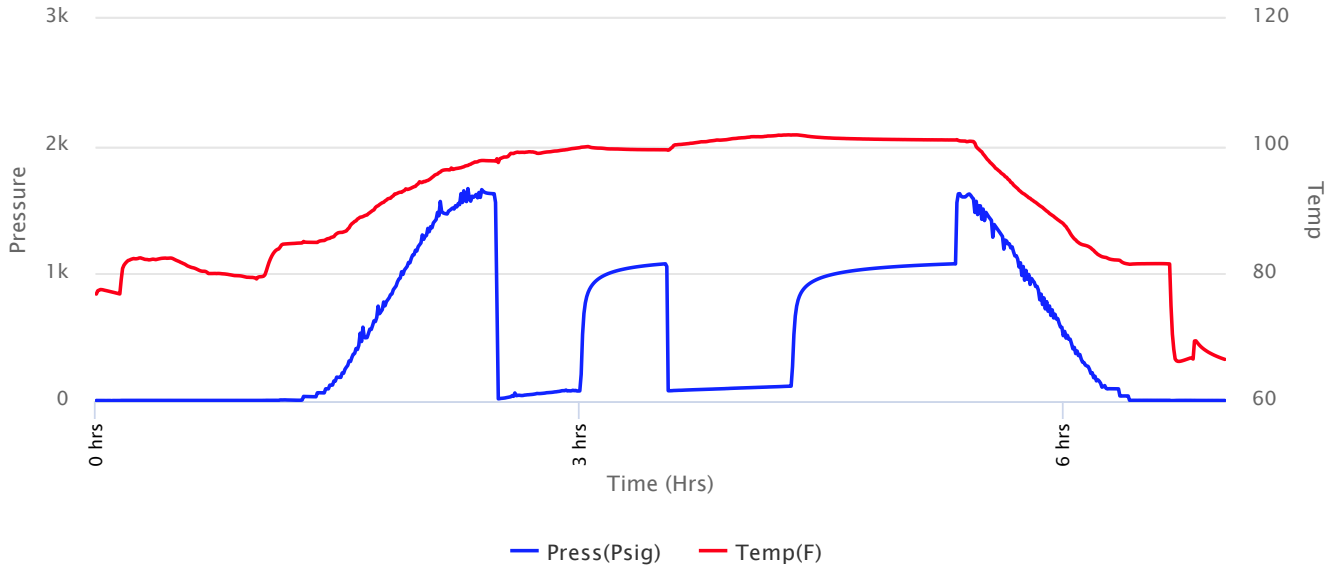
1st Open
 Minutes: 30
 Current Reading:
 6.8" at 30 min
 Max Reading: 6.8"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 7.9" at 45 min
 Max Reading: 7.9"

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

Inside Recorder





Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
12
 2020

DST #1 **Formation: Toronto-L/KC "A"** **Test Interval: 3382 - 3439'** **Total Depth: 3439'**
 Time On: 13:38 10/12 Time Off: 20:26 10/12
 Time On Bottom: 16:03 10/12 Time Off Bottom: 18:48 10/12

Recovered

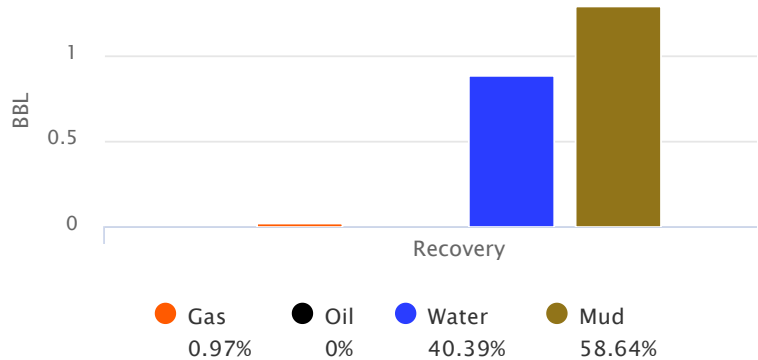
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
50	0.7115	SLGCSLWCM	3	0	10	87
63	0.89649	HWCM	0	0	50	50
60	0.2942652	SLMCW	0	0	85	15
60	0.2952	HWCM	0	0	40	60

Total Recovered: 233 ft
 Total Barrels Recovered: 2.1974552

Reversed Out
NO

Initial Hydrostatic Pressure	1637	PSI
Initial Flow	19 to 81	PSI
Initial Closed in Pressure	1076	PSI
Final Flow Pressure	82 to 118	PSI
Final Closed in Pressure	1078	PSI
Final Hydrostatic Pressure	1626	PSI
Temperature	102	°F
Pressure Change Initial	0.0	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 0.11984



Company: Adeco, Inc.
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 County: DECATUR
 State: Kansas
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 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
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12
 2020

DST #1	Formation: Toronto- L/KC "A"	Test Interval: 3382 - 3439'	Total Depth: 3439'
	Time On: 13:38 10/12	Time Off: 20:26 10/12	
	Time On Bottom: 16:03 10/12	Time Off Bottom: 18:48 10/12	

BUCKET MEASUREMENT:

1st Open: 1/4 in. blow building to 6 3/4 ins. in 30 mins.
 1st Close: No blow back..
 2nd Open: Surface blow in 30 secs. Building to 8 ins. in 45 mins.
 2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 35% Water 65% Mud
 Ph: 7
 Measured RW: .2 @ 65 degrees °F
 RW at Formation Temp: 0.132 @ 102 °F
 Chlorides: 40,000 ppm



Company: Adeco, Inc.

Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W

County: DECATUR

State: Kansas

Drilling Contractor: Murfin Drilling

Company, Inc - Rig 108

Elevation: 2580 EGL

Field Name: Monaghan North Ext

Pool: WILDCAT

Job Number: 455

API #: 15-039-21271

Operation:
Well Complete

DATE
October
12
2020

DST #1 Formation: Toronto-L/KC "A" Test Interval: 3382 - 3439' Total Depth: 3439'

Time On: 13:38 10/12 Time Off: 20:26 10/12

Time On Bottom: 16:03 10/12 Time Off Bottom: 18:48 10/12

Down Hole Makeup

Heads Up: 26.74 FT	Packer 1: 3376.67 FT
Drill Pipe: 3263.44 FT <i>ID-3 1/2</i>	Packer 2: 3381.67 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3368.67 FT
Collars: 119.81 FT <i>ID-2 1/4</i>	Bottom Recorder: 1 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 57.33	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 21 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.33 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
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Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
12
2020

DST #1 Formation: Toronto-
L/KC "A" Test Interval: 3382 - Total Depth: 3439'
3439'

Time On: 13:38 10/12 Time Off: 20:26 10/12
Time On Bottom: 16:03 10/12 Time Off Bottom: 18:48 10/12

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 65 **Filtrate:** 8.8 **Chlorides:** 2,000 ppm



**Company: Adeco, Inc.
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SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
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DST #1	Formation: Toronto- L/KC "A"	Test Interval: 3382 - 3439'	Total Depth: 3439'
	Time On: 13:38 10/12	Time Off: 20:26 10/12	
	Time On Bottom: 16:03 10/12	Time Off Bottom: 18:48 10/12	

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

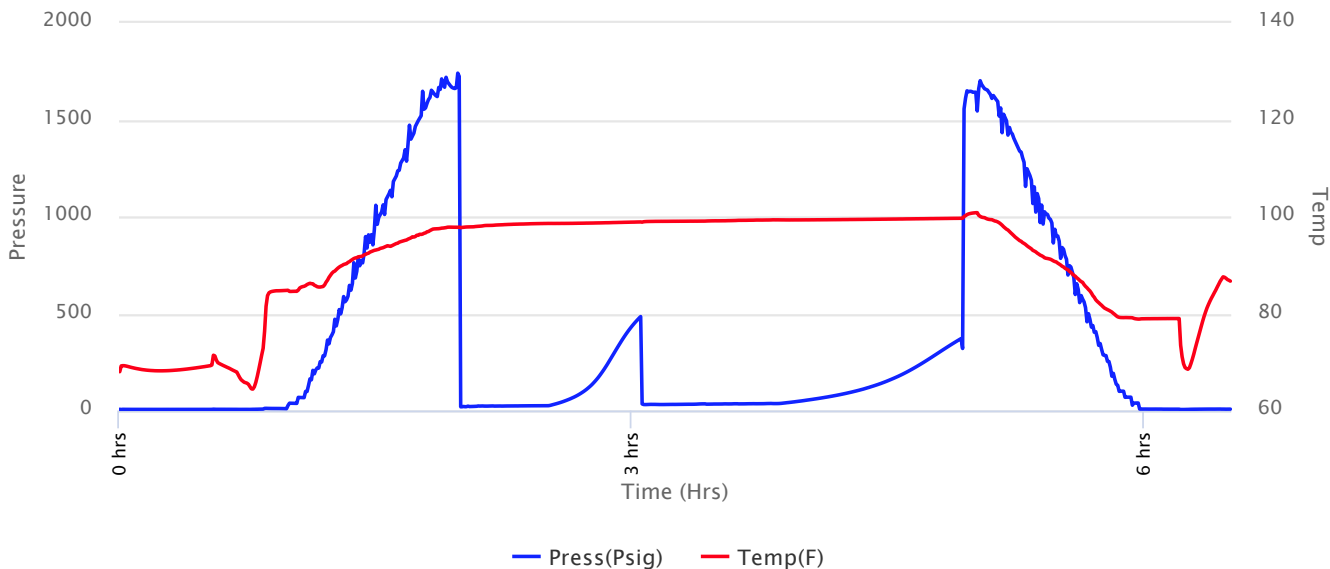
DATE
October
13
2020

DST #2 Formation: L/KC "B&C" Test Interval: 3443 - 3497' Total Depth: 3497'
Time On: 06:26 10/13 Time Off: 12:46 10/13
Time On Bottom: 08:23 10/13 Time Off Bottom: 11:08 10/13

Electronic Volume
Estimate:
71'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 45	Minutes: 60
Current Reading:	Current Reading:	Current Reading:	Current Reading:
1.6" at 30 min	0" at 30 min	1.1" at 45 min	0" at 60 min
Max Reading: 1.6"	Max Reading: 0"	Max Reading: 1.1"	Max Reading: 0"

Inside Recorder





Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
13
 2020

DST #2 **Formation: L/KC "B&C"** **Test Interval: 3443 - 3497'** **Total Depth: 3497'**
 Time On: 06:26 10/13 Time Off: 12:46 10/13
 Time On Bottom: 08:23 10/13 Time Off Bottom: 11:08 10/13

Recovered

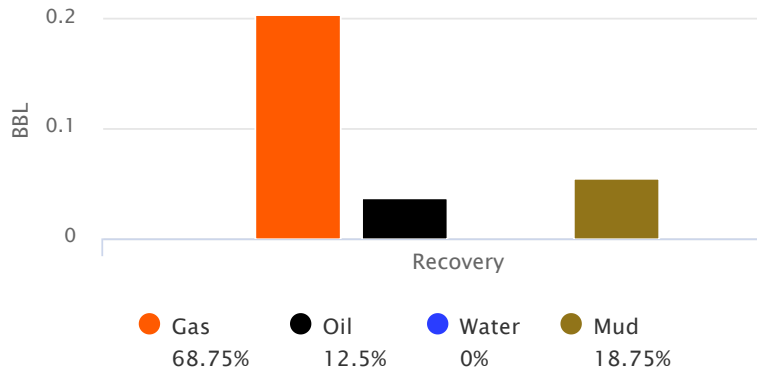
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
40	0.1968	G	100	0	0	0
5	0.0246	SLGCO	10	90	0	0
15	0.0738	SLGCOCM	5	20	0	75

Total Recovered: 60 ft
 Total Barrels Recovered: 0.2952

Reversed Out
 NO

Initial Hydrostatic Pressure	1665	PSI
Initial Flow	21 to 25	PSI
Initial Closed in Pressure	485	PSI
Final Flow Pressure	32 to 36	PSI
Final Closed in Pressure	349	PSI
Final Hydrostatic Pressure	1646	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	28.1	%

Recovery at a glance



GIP cubic foot volume: 1.13946



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
13
2020

DST #2	Formation: L/KC "B&C"	Test Interval: 3443 - 3497'	Total Depth: 3497'
	Time On: 06:26 10/13	Time Off: 12:46 10/13	
	Time On Bottom: 08:23 10/13	Time Off Bottom: 11:08 10/13	

BUCKET MEASUREMENT:

1st Open: 1/4 in. blow building to 1 1/2 ins. in 30 mins.
1st Close: No blow back.
2nd Open: Surface blow building to 1 in. in 45 mins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 5% Gas 10% Oil 0% Water 85% Mud

Gravity: 33.9 @ 60 °F



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
13
2020

DST #2 **Formation: L/KC "B&C"** **Test Interval: 3443 - 3497'** **Total Depth: 3497'**
Time On: 06:26 10/13 Time Off: 12:46 10/13
Time On Bottom: 08:23 10/13 Time Off Bottom: 11:08 10/13

Down Hole Makeup

Heads Up: 28.17 FT	Packer 1: 3437.67 FT
Drill Pipe: 3325.87 FT ID-3 1/2	Packer 2: 3442.67 FT
Weight Pipe: 0 FT ID-2 7/8	Top Recorder: 3429.67 FT
Collars: 119.81 FT ID-2 1/4	Bottom Recorder: 3495 FT
Test Tool: 26.16 FT ID-3 1/2-FH	Well Bore Size: 7 7/8
Total Anchor: 54.33	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 18 FT 4 1/2-FH	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.33 FT ID-3 1/2	
Change Over: .5 FT	
Perforations: (below): 3 FT 4 1/2-FH	



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
13
 2020

DST #3 Formation: Lansing Test Interval: 3545 - 3604' Total Depth: 3604'

Time On: 23:56 10/13 Time Off: 07:17 10/14
 Time On Bottom: 02:30 10/14 Time Off Bottom: 05:30 10/14

Electronic Volume
 Estimate:
 22'

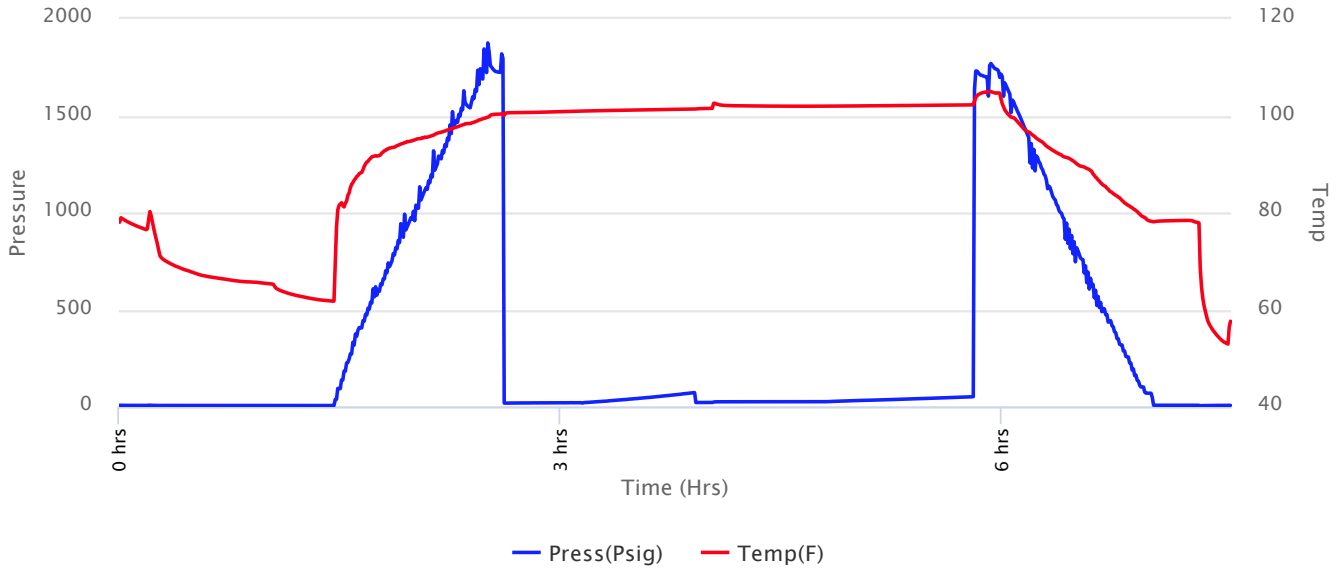
1st Open
 Minutes: 30
 Current Reading:
 .7" at 30 min
 Max Reading: .7"

1st Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: .1"

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

Inside Recorder





Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
13
 2020

DST #3 Formation: Lansing Test Interval: 3545 - 3604' Total Depth: 3604'

Time On: 23:56 10/13 Time Off: 07:17 10/14
 Time On Bottom: 02:30 10/14 Time Off Bottom: 05:30 10/14

Recovered

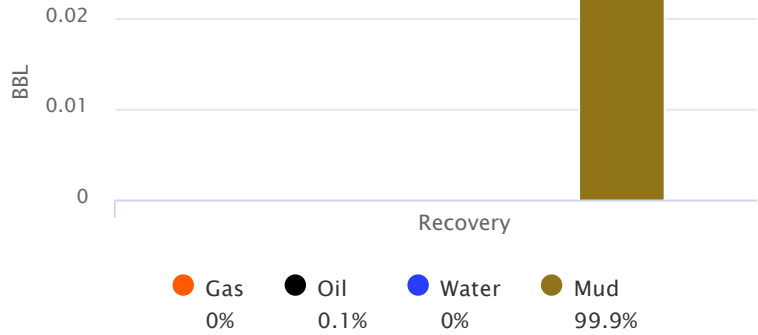
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M (trace oil)	0	.1	0	99.9

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0246

Reversed Out
 NO

Initial Hydrostatic Pressure	1819	PSI
Initial Flow	18 to 20	PSI
Initial Closed in Pressure	72	PSI
Final Flow Pressure	21 to 25	PSI
Final Closed in Pressure	50	PSI
Final Hydrostatic Pressure	1731	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	30.3	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
13
2020

DST #3 Formation: Lansing Test Interval: 3545 - Total Depth: 3604'
3604'
Time On: 23:56 10/13 Time Off: 07:17 10/14
Time On Bottom: 02:30 10/14 Time Off Bottom: 05:30 10/14

BUCKET MEASUREMENT:

1st Open: 1/8 in. blow building to 3/4 in. in 30 mins.
1st Close: No blow back.
2nd Open: No blow. Flushed tool. Surface blow. Died in 10 mins.
2nd Close: No blow back.

REMARKS:

Flushed tool 5 mins. into Final Flow.

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
13
 2020

DST #3 Formation: Lansing Test Interval: 3545 - 3604' Total Depth: 3604'
 Time On: 23:56 10/13 Time Off: 07:17 10/14
 Time On Bottom: 02:30 10/14 Time Off Bottom: 05:30 10/14

Down Hole Makeup

Heads Up: 19.81 FT	Packer 1: 3540.43 FT
Drill Pipe: 3420.27 FT <i>ID-3 1/2</i>	Packer 2: 3545.43 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3532.43 FT
Collars: 119.81 FT <i>ID-2 1/4</i>	Bottom Recorder: 3602 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 58.57	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 22 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.57 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
13
2020

DST #3 Formation: Lansing Test Interval: 3545 - Total Depth: 3604'
3604'

Time On: 23:56 10/13 Time Off: 07:17 10/14
Time On Bottom: 02:30 10/14 Time Off Bottom: 05:30 10/14

Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 63 **Filtrate:** 8.8 **Chlorides:** 2,000 ppm



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
14
 2020

DST #4 **Formation: Lower Lansing** **Test Interval: 3547 - 3655'** **Total Depth: 3655'**
 Time On: 16:09 10/14 Time Off: 20:38 10/14
 Time On Bottom: 18:04 10/14 Time Off Bottom: 19:04 10/14

Electronic Volume
 Estimate:
 16'

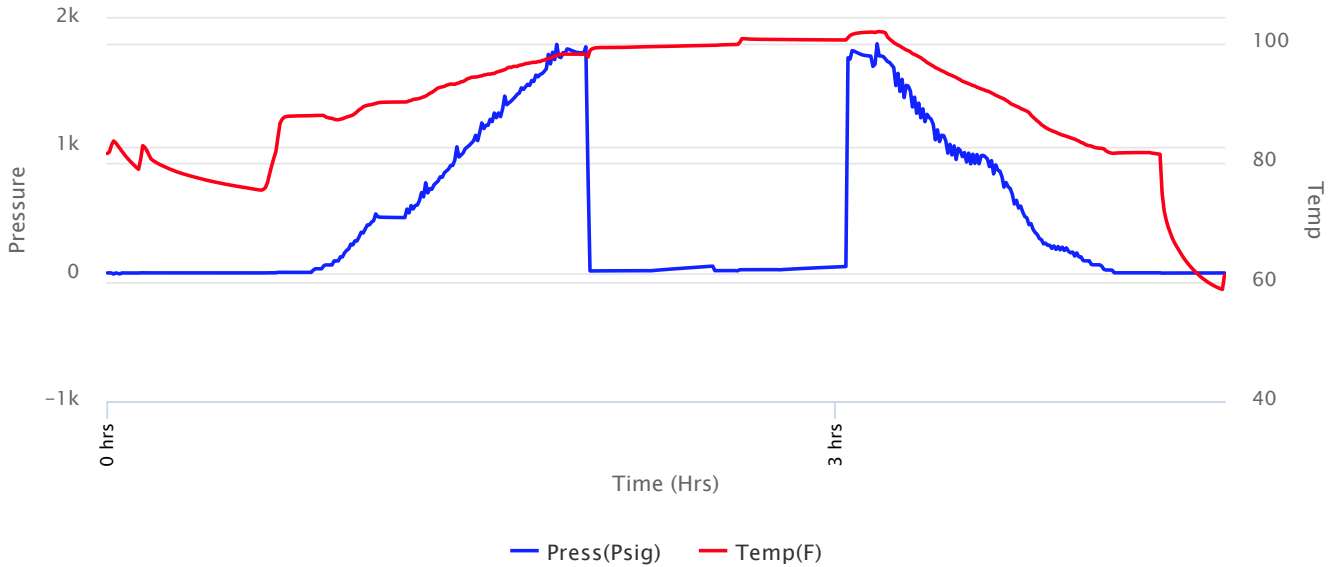
1st Open
 Minutes: 15
 Current Reading:
 .5" at 15 min
 Max Reading: .5"

1st Close
 Minutes: 15
 Current Reading:
 0" at 15 min
 Max Reading: 0"

2nd Open
 Minutes: 15
 Current Reading:
 0" at 15 min
 Max Reading: .1"

2nd Close
 Minutes: 15
 Current Reading:
 0" at 15 min
 Max Reading: 0"

Inside Recorder





Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
14
 2020

DST #4 **Formation: Lower Lansing** **Test Interval: 3547 - 3655'** **Total Depth: 3655'**
 Time On: 16:09 10/14 Time Off: 20:38 10/14
 Time On Bottom: 18:04 10/14 Time Off Bottom: 19:04 10/14

Recovered

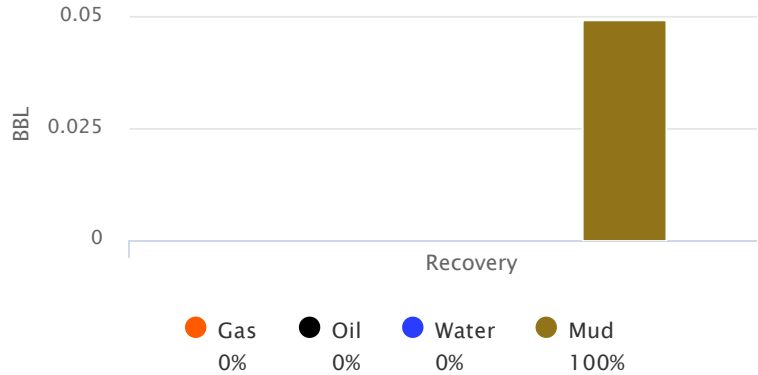
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0492	M	0	0	0	100

Total Recovered: 10 ft
 Total Barrels Recovered: 0.0492

Reversed Out
NO

Initial Hydrostatic Pressure	1732	PSI
Initial Flow	22 to 24	PSI
Initial Closed in Pressure	59	PSI
Final Flow Pressure	24 to 32	PSI
Final Closed in Pressure	55	PSI
Final Hydrostatic Pressure	1722	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	6.2	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
14
2020

DST #4	Formation: Lower Lansing	Test Interval: 3547 - 3655'	Total Depth: 3655'
	Time On: 16:09 10/14	Time Off: 20:38 10/14	
	Time On Bottom: 18:04 10/14	Time Off Bottom: 19:04 10/14	

BUCKET MEASUREMENT:

1st Open: 1/2 in. blow. Did not build or die in 15 mins.
1st Close: No blow back.
2nd Open: No blow. Flushed tool. 1/8 in. blow. Died in 13 mins.
2nd Close: No blow back.

REMARKS:

Flushed tool 5 mins. into Final Flow.

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
14
 2020

DST #4 **Formation: Lower Lansing** **Test Interval: 3547 - 3655'** **Total Depth: 3655'**
 Time On: 16:09 10/14 Time Off: 20:38 10/14
 Time On Bottom: 18:04 10/14 Time Off Bottom: 19:04 10/14

Down Hole Makeup

Heads Up: 18.59 FT	Packer 1: 3541.75 FT
Drill Pipe: 3420.37 FT <i>ID-3 1/2</i>	Packer 2: 3546.75 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3533.75 FT
Collars: 119.81 FT <i>ID-2 1/4</i>	Bottom Recorder: 3549 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 108.25	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 9 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 94.25 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
County: DECATUR
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 108
Elevation: 2580 EGL
Field Name: Monaghan North Ext
Pool: WILDCAT
Job Number: 455
API #: 15-039-21271

Operation:
Well Complete

DATE
October
14
2020

DST #4 **Formation: Lower Lansing** **Test Interval: 3547 - 3655'** **Total Depth: 3655'**
Time On: 16:09 10/14 Time Off: 20:38 10/14
Time On Bottom: 18:04 10/14 Time Off Bottom: 19:04 10/14

Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 62 **Filtrate:** 8.8 **Chlorides:** 2,000 ppm



Company: Adeco, Inc.
Lease: Donnie #1

SEC: 2 TWN: 2S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 108
 Elevation: 2580 EGL
 Field Name: Monaghan North Ext
 Pool: WILDCAT
 Job Number: 455
 API #: 15-039-21271

Operation:
 Well Complete

DATE
 October
14
 2020

DST #4 **Formation: Lower Lansing** **Test Interval: 3547 - 3655'** **Total Depth: 3655'**
 Time On: 16:09 10/14 Time Off: 20:38 10/14
 Time On Bottom: 18:04 10/14 Time Off Bottom: 19:04 10/14

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Scale 1:240 Imperial

Well Name: DONNIE # 1
Surface Location: 2-2S-27W (813' FWL()1936' FNL
Bottom Location:
API: 15-039-21271-0000
License Number: 8981
Spud Date: 10/15/2020 Time: 12:34 PM
Region: DECATUR
Drilling Completed: 10/22/2020 Time: 5:50 PM
Surface Coordinates: SW-NE-SW-NW (813'FEL _1936' FNL)
Bottom Hole Coordinates:
Ground Elevation: 2581.00ft
K.B. Elevation: 2586.00ft
Logged Interval: 3050.00ft To: 3900.00ft
Total Depth: 3843.00ft
Formation: LANSING -KANSAS CITY
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: ADECO, INC.
Address: BOX 873
HAYS KANSAS
Contact Geologist:
Contact Phone Nbr:
Well Name: DONNIE # 1
Location: 2-2S-27W (813' FWL()1936' FNL
API: 15-039-21271-0000
Pool: WILDCAT Field: WILDCAT
State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -100.325053
Latitude: 39.909866
N/S Co-ord: SW-NE-SW-NW (813'FEL _1936' FNL)
E/W Co-ord:

ELEVATIONS

K.B. Elevation: 2586.00ft Ground Elevation: 2581.00ft
K.B. to Ground: 5.00ft

CONTRACTOR

Contractor: MURFIN DRILLING CO., INC.
Rig #: 108
Rig Type: mud rotary
Spud Date: 10/15/2020 Time: 12:34 PM
TD Date: 10/22/2020 Time: 5:50 PM
Rig Release: 10/23/2020 Time: 8:00 PM

LOGGED BY
GEOstrip Systems™

Company: Urban Petroleum, Inc.
Address: 104 8th Street
Clafin, KS 67525

Phone Nbr: 620-639-1948
Logged By: Geologist

Name: Wyatt Urban

OPEN HOLE LOGS

Logging Company: ELI WIRELINE
Logging Engineer: GUS PFANENSTIEL
Truck #: 1523
Logging Date: 10/15/2020 Time Spent: 2
Logs Run: 2 # Logs Run Successful: 2

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
CDL/CNL	3000.00ft	3843.00ft	2.00		1
DUAL INDUCTIK	3000.00ft	3841.00ft	2.00		2
MICRO LOG	3000.00ft	3843.00ft	0.00	3419' Caliper was stuck	2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
12/5/2007	3000.00ft	3843.00ft	CNL/CDL, DIL, MICRO LOG

DRILLSTEM TESTS

No	Interval	Formation
1	3382-3439	Toronto Lansing
2	3443-3497	Lansing
3	3545-3604	Lansing-KC (Swope)
4	3547-3655	Lansing -KC(Swope)

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8" in	344 ft	#24	8	10/9/2020 11:00 AM
Int Casing					
Prod Casing	0.00 in	0.00 ft	NONE		











CASING SEQUENCE

Type	Hole Size	Casing Size	At
SURFACE	0.00 in	0.00	344.00 ft

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	3843.00	3843.00
LTD	3843.00	3843.00

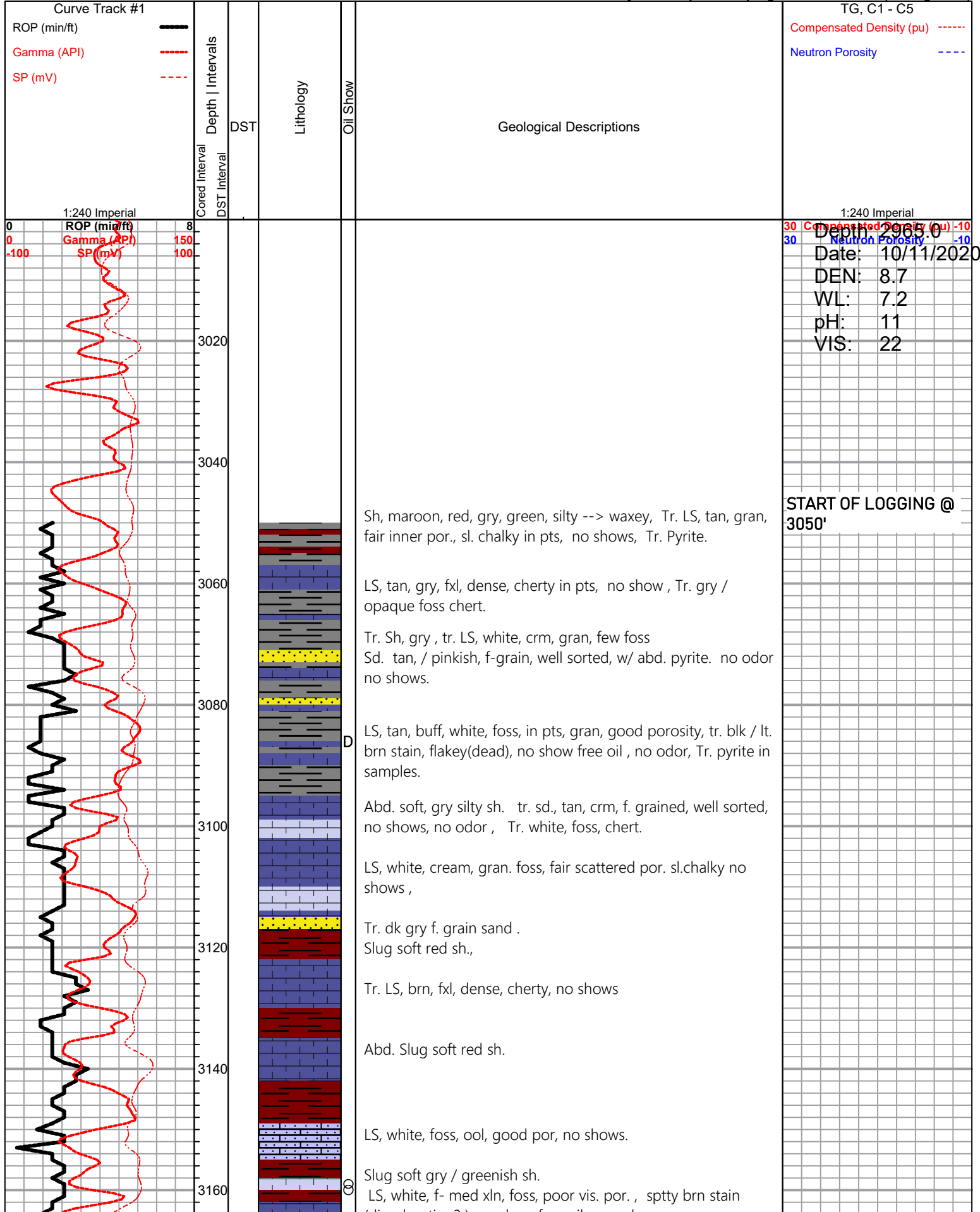
ROCK TYPES

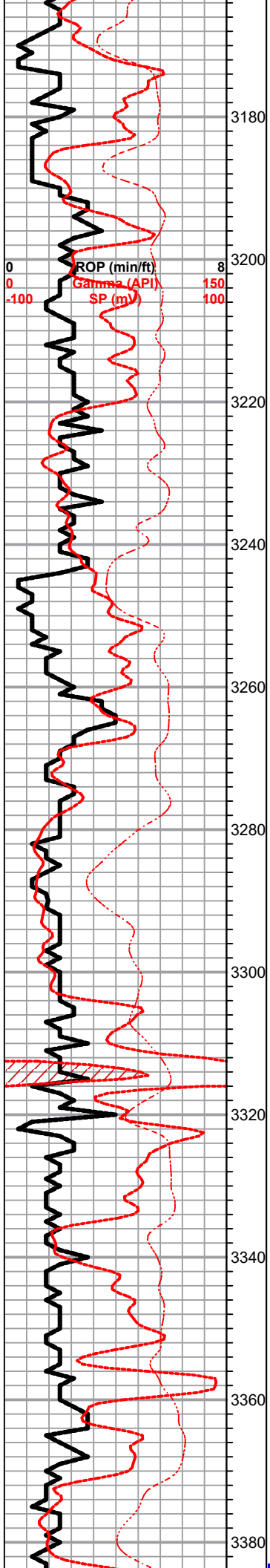
 sdymst	 shale, grn	 shale, red	 Meta
 Lmst fw<7	 shale, gry	 Ss	
 Lmst fw>7	 Carbon Sh	 Igne	

OTHER SYMBOLS

Oil Show	DST
● Good Show	■ DST Int
● Fair Show	■ DST alt

- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas
- Core
- tail pipe





(discoloration?) no show tree oil, no odor

LS, tan, buff, few foss, poor vis. por., chalky, no shows, Tr. sd, poorly dev, poor inner gran. por., tr. blk spty stain, nsfo, no odor

LS, a/a, no shows, no odor

Soft slug red maroon sh. tr. gry, blueish gry, green waxey sh.

LS, tan, gran. pr-fair scattered por. tr. brn stain, v. weak spty sfo, no odor,

Sh, gry, dk gry, sdy in pts,, LS, white, crm foss, fair scattered -vuggy type por., lt. brn spty stain, v. wk spty-->(flakey) sfo, no odor,

Soft red., gry /greenish, mica, in pts, blue green sh, Tr., white, - tan, f. grain sand, well sorted, good inner gran. por, nsfo, no odor .

60" sample, abd. red soft sh. , Tr. sd. a/a , Lt. brn stain, nsfo, no odor. , Tr. LS, white, dense, cherty, poor vis. porosity, nsfo,

Tr. aqua bluegreen sh. waxey

Abd black carb sh .
soft maroon silty sh.

TOPEKA 3265.0 (-679.0)

LS, white, foss, / ool, fair scattered vuggy type por. , nsfo, no odor

LS, white, recryst., heavily fractured, poor vis. p.p. por., Lt. brn golden brn stain on few, nsfo, no odor.

LS, white, crm, foss in pts, poor scatt. por., sl. chalky, tr. brn flakey (discoloration) , nsfo no odor

Sh., gry, greenish, black carb.

LS, white, dense few cherty, tr. pyrite + white chalk

Tr. LS, white, crm, few foss, sl. re xln, fair - poor heavily fract. sl, chalky, Lt. brn stain, 1(wk) sfo, no odor

LS, fxl, few foss, poor vis. porosity, tr. blk stain nsfo, ??? faint odor in broken samp., Slug maroon silty soft sh,

Slug soft maroon sh.(heavy red wash in samples) Tr. white LS, few foss, poor scattered porosity, chalky, tr. golden brn stain / blk stain , tr. spty sfo, no odor,

Abd. red sh, silty , soft, red wash in samples., Tr. ls. a/a decrease in show.

LS, crm, white, poorly dev. p.p. - scattered por., Lt. brn stain, tr. spty sfo, no odor

30 Compensated Density (pu) -10
30 Neutron Porosity -10

DST # 1 3382-3439
30-30-45-60

1st Open: 1/4 in. blow building to 6 3/4 ins. in 30 mins.

1st Close: No blow back.

2nd Open: Surface blow in 30 secs. Building to 8 ins. in 45 mins.

2nd Close: No blow back.

Recovery:

HEEBNER 3386.0 (-800.0)

Sh, black carb

Recovery:

50' Sl. Gas C MW
(3%G, 10%W,87%M)

Slug soft red / gry silty sh.

183' Water Cut Mud

Tr. LS, white crm, poor vis. por.

Pressures:

ISIP 1076 psi
FSIP 1078 psi
IFP 19-81 psi
FFP 82-118 psi
HSH 1637-1626psi

TORONTO 3416.0 (-830.0)

LS, white, foss, fxl, fair p.p porosity, sl. chalky, blk stain , lt. brn --> blk spty sfo, faint odor

LANSING 3430.0 (-844.0)

LS, white, cream, foss, fair scattered p.p. - vuggy type porosity, sl. chalky, brn-blk stain, dark brn sfo, faint odor

DST#2 3443-3497

30-30-45-45

Tr. LS, brn fxl, dense, poor scattered p.p. por., dk blk spty stain on few, no sfo, no odor
Slug gry/ green sh.

1st Open:

1/4" blow built to 1.5"

POOR SAMPLE QUALITY DUE TO SOFT RED SH. 3460-3497

LS, tan, buff, p.p. -->vuggy porosity, sl. chalky, tr. brn stain, lt. golden brn sfo, fair odor.

2nd Open:

Weak blow built over 1"

Slug sh, maroon, soft silty

Recovery:

40' GIP
5' Gas & Oil
(10%G, 90%O)

Tr. LS, white, crm ,fxl, dense, few foss, poor vis. porosity, nsfo.
Tr. abd. chert white, opaque, foss,

15' SLGCOCM

(5%G, 20%O, 75%M)

LS, tan, scattered vuggy por., dk blk - brn stain, lt. brn spty sfo, free oil in sample tray, good odor

Pressures:

ISIP 485 psi
FSIP 349 psi
IFP 21-25 psi
FFP 32-36 psi
HSH 1665-1646 psi

Slug red sh.

LS, white, crm, fxl, dense, poor p.p. porosity, cherty, no shows, no odor

LS, white, crm, few foss, cherty ,dense. no shows, no odor

Sh, gry, silty soft

LS, white, crm, scattered p.p. por. (dense in parts) tr. brn spty sfo (V. weak). no odor.

LS, A/A decrease in sfo & stain, no odor

Tr. LS, white, fxl, dense, poor vis.. porosity, few cherty, tr. brn spty stain on few , wk. spty sfo, no odor, tr. pyrite inclusions.

DRUM 3572.0 (-986.0)

Slug maroon soft sh, tr. gry, blk, greenish,

Tr. brn tan LS, p.p. porosity, tr. spty brn stain , lt. spty sfo, ??? odor

DST # 3 3545-3604

30-45-45-60

1st Open :

Weak Blow

2nd Open :

Weak Blow

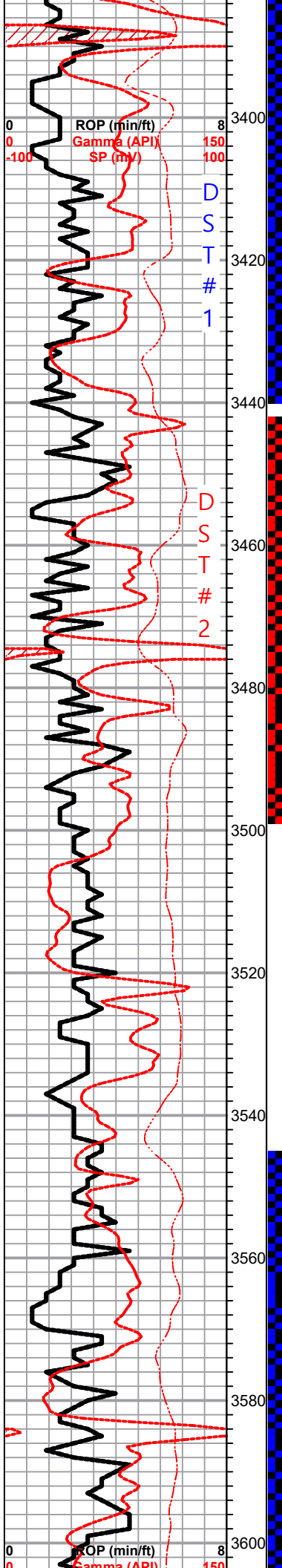
SWOPE 3598.0 (-1012.0)

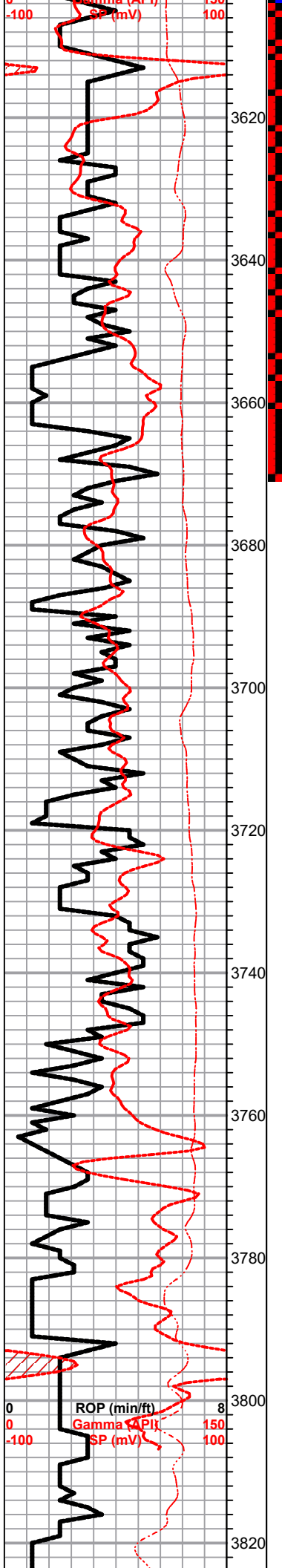
LS, white, foss, med xln, vuggy por, golden brn stain, sfo, faint odor, vis gas bubbles in broken samples.

Recovery:

5' Mud with tr oil

LS, white, foss, scattered vuggy porosity , sl. recrystallization,





sfo stain odor .

LS, white, crm, fxl, dense, poor vis. porosity, tr. sppty stain, nsfo , no odor

Slug red maroon soft sh. silty in pts, tr white LS. fxl. dense poor vis. porosity, no shows

LS, whte, gry, fxl few foss, no shows no odor

BKC 3632.0 (-1046.0)

Sh, maroon, soft red , gry

LS, white, crm, foss./ ool, mottled poor vis porosity. sl.chalky, tr. brn stain tr. sppty sfo, odor

Slug maroon aqua green sh., silty soft no shows

Aqua green Sh, waxey , tr. white ls, fxl dense poor vis. porosity no shows, no odor

Tr. gry, black carb sh, Poor samples due to soft red shales

Soft maroon sh, silty soft , tr. white LS, fxl, ool, poorly developed porosity no shows.

abd. maroon / red sh, soft silty

Poor samples due to soft maroon, red sh , tr. LS, white, fxl, poorly developed porosity, no shows, no odor

Poor sampels : a/a, slug dk brn - black sh.

Sh, a/a, tr. sd. f. gran,tan, well sorted , friable, no shows no odor

Sd, clr, med grain, poorly sorted, friable, tr. blk flakey stain, no sfo, no odor

Abd. soft red sh Tr. sd. a/a no shows. no odor

Sd., a/a, Tr. clr, qtz. sub angular, pyrite inclusions., blk flakey dead oil, nsfo no odor.

G. WASH 3804.0 (-1218.0)

Gran, clr, tr. feldspar biotite incl. , no shows no odor

Pressures:
 ISIP 72 psi
 FSIP 50 psi
 IFP 18-20 psi
 FFP 21-25 psi
 HSH 1819-1731 psi

DST # 4 3547-3655
 15-15-15-15

1ST OPEN:
 1/2" blow died in 15 mns.

2ND OPEN:
 no blow, flushed, weak blow died in 13 mins.

Recovery:
 10' mud w/tr. oil

Pressures:
 ISIP 59 psi
 FSIP 55 psi
 IFP 22-24 psi
 FFP 24-35 psi
 HSH 1732-1722 psi

30 Compensated Density (pu) -10

30 Neutron Porosity -10



Gran,, clr, dense, tr. biotite feldspar

RTD 3843.0 (-1257.0)

LTD 3843.0 (-1257.0)

