KOLAR Document ID: 1564405

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 # 31725
Name: Shelby Resources LLC
Address 1: 3700 Quebec Street
Address 2: Suite 100 PMB 376
City: DENVER State: CO Zip: 80207 + 1639
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Jeremy Schwartz
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 #:

03/04/2021	03/14/2021	03/14/2021
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-145-21867-00-00
Spot Description:
SE - SW - SW - SW Sec. 5 Twp. 20 S. R. 19 ☐ East ☑ West
190 Feet from ☐ North / ☑ South Line of Section
560 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Pawnee
Lease Name: F-P UNIT Well #: 1-5
Field Name:
Producing Formation: N/A
Elevation: Ground: 2030 Kelly Bushing: 2041
Total Vertical Depth: 4360 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1381 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: 54000 ppm Fluid volume: 1200 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources
Lease Name: Eakin #2-7 License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-30939

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: 08/16/2021
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 08/16/2021

Operator Name: Shelby Resources LLC Lease Name: F-P UNIT Well #: 1-5

Sec. 5 Twp. 20 S. R. 19 ☐ East ☑ West County: Pawnee

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	3694	-1453
Lansing	3742	-1501
BKC	4043	-1802
Pawnee	4134	-1893
Pawnee Sand	4194	-1953
Mississippian	4289	-2048
LTD	4360	-2119

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	1381	60/40 Poz	485	4%cc / 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	F-P UNIT 1-5
Doc ID	1564405

All Electric Logs Run

Compensated Neutron
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	F-P UNIT 1-5
Doc ID	1564405

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	1381	60/40 Poz	485	4%cc / 2% gel

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St.
Denver Co, 80207

ATTN: Jeremy Schwartz

5 - 20S - 19W

F-P Unit #1-5

Job Ticket: 47698 **DST#: 1**

Test Start: 2021.03.11 @ 00:05:00

GENERAL INFORMATION:

Formation: **Pawnee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:16:15
Time Test Ended: 08:57:15 Actual Interval 4158'-4202'

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: ~~4169.00 ft (KB) To 4213.00 ft (KB) (TVD)~~
Total Depth: 4213.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

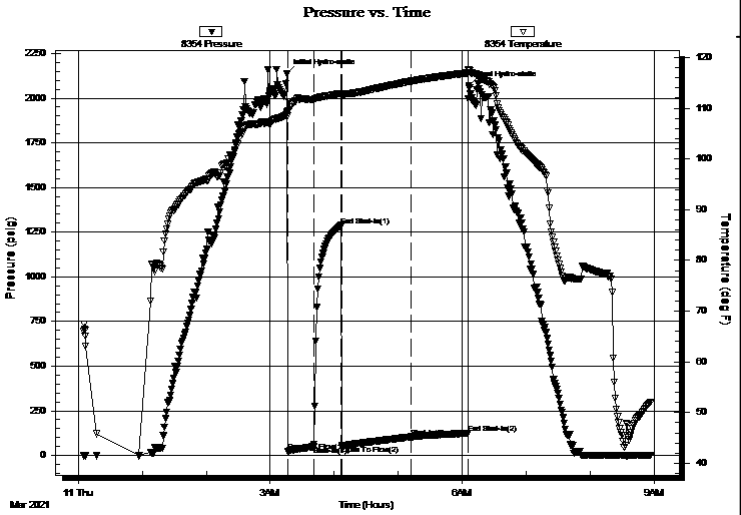
Reference Elevations: 2240.00 ft (KB)
2229.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 103.97 psig @ 4170.00 ft (KB)
Start Date: 2021.03.11 End Date: 2021.03.11
Start Time: 00:05:05 End Time: 08:57:15

Capacity: 8000.00 psig
Last Calib.: 2021.03.12
Time On Btm: 2021.03.11 @ 03:16:00
Time Off Btm: 2021.03.11 @ 06:06:30

TEST COMMENT: 20 - IF - Blow slowly built up to 2 1/2"
30 - ISI - No Return
45 - FF - Blow built to 1 1/2"
60 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.27	109.36	Initial Hydro-static
1	23.96	108.58	Open To Flow (1)
25	48.30	111.76	Shut-In(1)
51	1287.35	112.92	End Shut-In(1)
52	56.18	112.40	Open To Flow (2)
117	103.97	115.34	Shut-In(2)
170	123.83	116.95	End Shut-In(2)
171	2070.59	117.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
211.00	MW - 30%w - 70%m	1.06

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources

3700 Quebec St.
Denver Co, 80207

ATTN: Jeremy Schwartz

5 - 20S - 19W

F-P Unit #1-5

Job Ticket: 47698 **DST#: 1**

Test Start: 2021.03.11 @ 00:05:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	7200 ppm
Viscosity:	61.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.00 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
211.00	MW - 30%w - 70%m	1.064

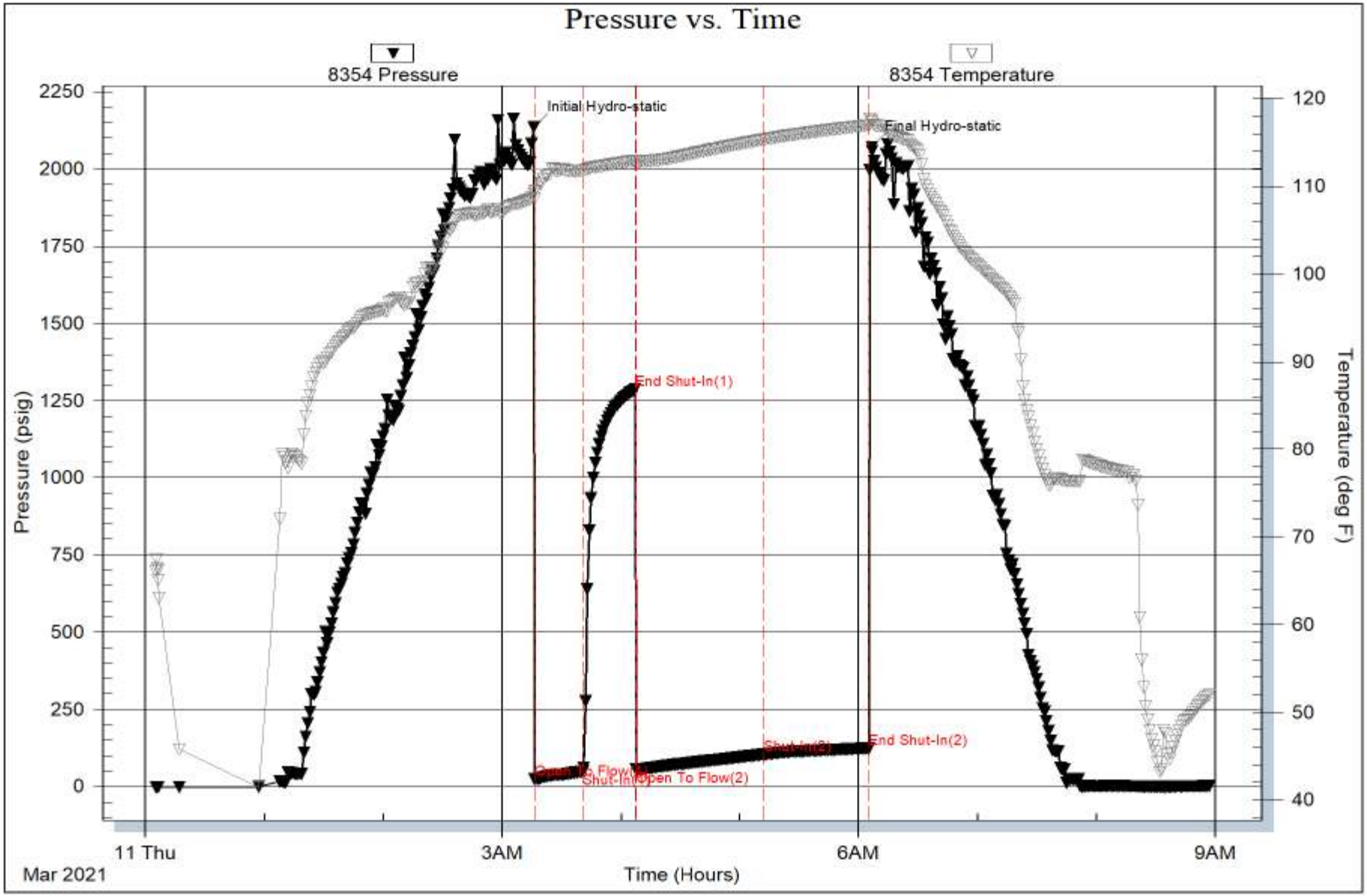
Total Length: 211.00 ft Total Volume: 1.064 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1.72 @ 35 deg.

Serial #: 8354 **Inside** Shelby Resources F-P Unit #1-5 DST Test Number: 1

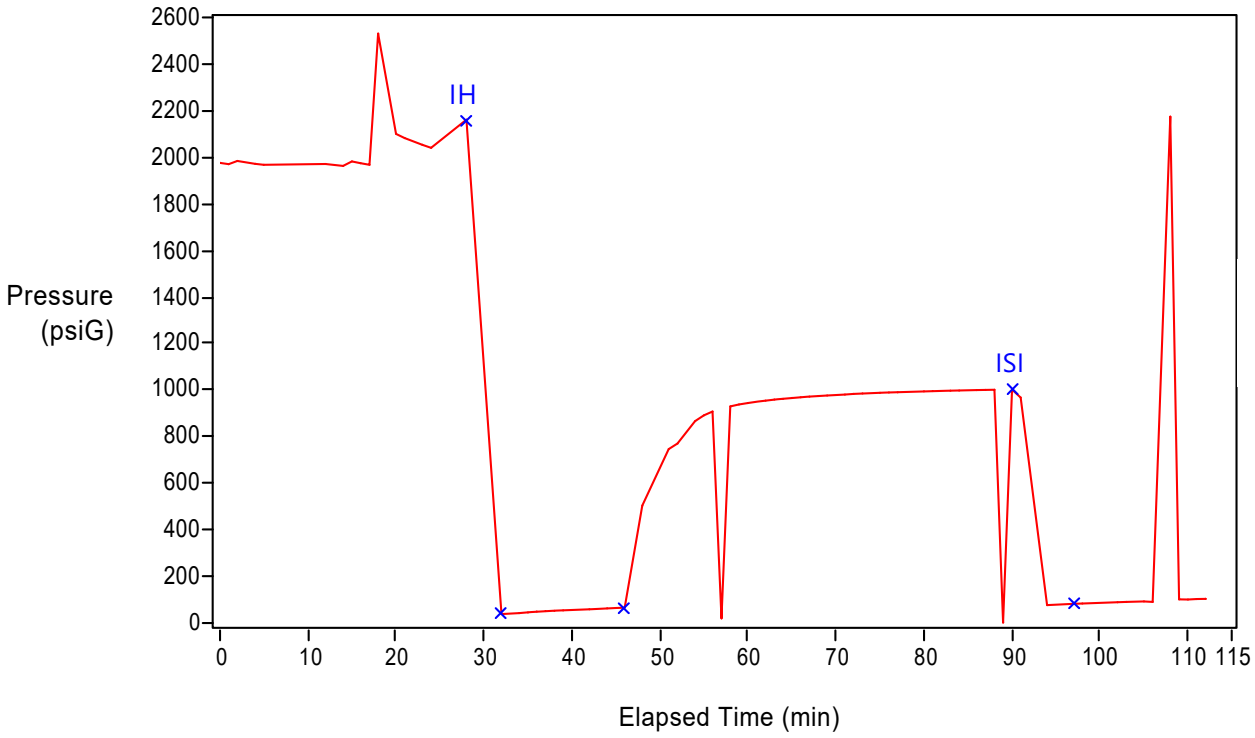


Trilobite Testing, Inc Ref. No: 47698 Printed: 2021.03.12 @ 10:51:43

GeoPSI Data Monitoring
ResPlot RT™

Test Information

Pressure Plot



Company Name:	Shelby Resources
Ticket Number:	47699
Test Number:	2
Well Name:	F-P Unit #1-5
Location:	5 - 20 - 19
Date:	2021/03/12
Formation Name:	cherokee
Formation Interval:	4218 - 4233
Gauge Depth:	4208
Atmospheric Pressure:	14.40 psi
Start Time:	22:46:44

Tag	Time (h:m:s)	Pressure (psiG)
Initial Hydrostatic (IH)	23:14:45	2160.60
Initial Pre-Flow (IPF)	23:18:45	37.70
Final Pre-Flow (FPF)	23:32:45	65.20
Initial Shut-In (ISI)	00:16:46	1001.40
Initial Main Flow (IMF)	00:23:46	81.30
Final Main Flow (FMF)		
Final Shut-In (FSI)		
Final Hydrostatic (FH)		

Notes:

Phase	Duration (h:m:s)
Entire Test	01:52:02
Pre-Flow	00:14:00
First Shut-In	00:44:01
Main Flow	1193044
Second Shut-In	

Scale 1:240 Imperial

Well Name:	F-P Unit #1-5		
Surface Location:	190' FSL _560' FWL, Sec. 5-T20s-R19w		
Bottom Location:			
API:	15-145-21867-00-00		
License Number:	31725		
Spud Date:	3/4/2021	Time:	9:00 AM
Region:	Pawnee		
Drilling Completed:	3/13/2021	Time:	4:30 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2230.00ft		
K.B. Elevation:	2241.00ft		
Logged Interval:	3650.00ft	To:	4360.00ft
Total Depth:	4360.00ft		
Formation:	Pawnee/Cherokee Sands		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	3700 Quebec St. Unit 100 PMB 376 Denver, CO 80207		
Contact Geologist:	Jeff Zoller / Jeremy Schwartz		
Contact Phone Nbr:	620-786-0807 / 203-671-6034		
Well Name:	F-P Unit #1-5		
Location:	190' FSL _560' FWL, Sec. 5-T20s-R19w		
API:	15-145-21867-00-00		
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Mile High Exploration, LLC		
Address:	14645 Sterling Road Colorado Springs, CO 80921		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC F-P Unit #1-5 was drilled to a total depth of 4360', bottoming in the Mississippian. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

Two DST's were conducted during the drilling of this well in the Pawnee and Cherokee zones. The DST reports can be found at the bottom of this log.

Due to negative DST results, lack of sample shows, gas kicks, and log anlysis it was determined by all parties involved to plug and abandon the well. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Society Well Sample Library, located in Wichita, KS.

NOTE Pipe Strap @ 4231' while tripping out for DST #2 was 29'STB. Actual TD was 4202'. All Pertinent information has been corrected to accomodate.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor:	WW Drilling		
Rig #:	20		
Rig Type:	mud rotary		
Spud Date:	3/4/2021	Time:	9:00 AM
TD Date:	3/13/2021	Time:	4:30 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2241.00ft	Ground Elevation:	2230.00ft
K.B. to Ground:	11.00ft		

DATE	DEPTH	ACTIVITY
Monday, March 08, 2021	3156'	Geologist Jeremy Schwartz on location ~ 1030hrs, rig twisted off collars,
		rig down to conduct fishing operations,
Tuesday, March 09, 2021	3156'	Collars and straight hole tool successfully recovered, resume drlg ahead,
Wednesday, March 10, 2021	3700'	Back on location @ 1130hrs, 3700', drlg ahead through Heebner, Lansing,
Thursday, March 11, 2021	4035'	BKC, Marmaton, Pawnee LS, CFS @ 4170', resume drlg ahead
Friday, March 12, 2021	4202'	CFS @ 4231', drop survey, short trip, strap out for DST #1, strap 29' STB
		New TD is 4202', Conduct DST, Successful test, resume drlg , CFS @ 4216',
		resume drlg, CFS @ 4233' strap out for DST #2, strap 3.8STB, Conduct DST #2
Saturday, March 13, 2021	4233'	Successful test, Resume drlg, CFS @ 4249', resume drlg, CFS @ 4297', resume drlg,
		CFS @ 4307', resume drlg ahead to TD, TD of 4360' reached @ 1630hrs,
		CTCH 1.5hrs, drop survey, TOH to conduct logging operations
Sunday, February 14, 2021	4360	Logging operations complete @ 0030hrs

CLIENT:	Shelby Resources, LLC
WELL NAME:	F-P Unit #1-5
LEGAL:	SE-SW-SW-SW Sec. 5-T20S-R19W
COUNTY:	Pawnee
API :	15-145-21867-00-00
DRLG CONTRACTOR:	WW Drilling
RIG #:	20
DOGHOUSE #:	(785) 694-3635
TOOLPUSHER:	Bo Farr
CELL #:	(785) 470-7203

	F-P UNIT #1-5				OIL - P&A						OIL - P&A						D&A					
					THUNDERBIRD DRLG						THUNDERBIRD DRLG						RONALD RUSS PRATER					
					VAN RENSSELAER #1						VAN RENSSELAER #2						PFENNIGER #1					
					SE-NE-SW Sec. 5-20S-19W						C-NW-NW-SE Sec. 5-20S-19W						NE-NE-NW Sec. 8-20S-19W					
	KB	2241			KB	2225					KB	2239					KB	2205				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE	1387	854			1362	863	-	9			1380	859	-	5								
HEEBNER SHALE	3694	-1453	3693	-1452	3676	-1451	-	2	-	1	3676	-1437	-	16	-	15	3669	-1464	+	11	+	12
DOUGLAS SHALE	3722	-1481	3723	-1482	3705	-1480	-	1	-	2	3704	-1465	-	16	-	17						
LANSING	3742	-1501	3743	-1502	3726	-1501	+	0	-	1	3724	-1485	-	16	-	17	3720	-1515	+	14	+	13
LKC H	3900	-1659	3902	-1661	3886	-1661	+	2	+	0	3893	-1654	-	5	-	7						
STARK SHALE	3977	-1736	3979	-1738	3962	-1737	+	1	-	1	3970	-1731	-	5	-	7						
BKC	4043	-1802	4043	-1802	4025	-1800	-	2	-	2	4030	-1791	-	11	-	11						
MARMATON	4048	-1807	4050	-1809	4034	-1809	+	2	+	0	4036	-1797	-	10	-	12						
PAWNEE LS	4134	-1893	4132	-1891	4114	-1889	-	4	-	2	4118	-1879	-	14	-	12						
B/MARMATON	4190	-1949	4190	-1949	4168	-1943	-	6	-	6	4169	-1930	-	19	-	19						
PAWNEE SAND	4194	-1953	4198	-1957	4173	-1948	-	5	-	9	4174	-1935	-	18	-	22						
MISSISSIPPIAN	4289	-2048	4292	-2051	4275	-2050	+	2	-	1	4286	-2047	-	1	-	4	4291	-2086	+	38	+	35
RTD			4360	-2119	4290	-2065			-	54	4300	-2061			-	58						
LTD	4360	-2119			4292	-2067	-	52			4297	-2058	-	61								
					TESTED						TESTED						TESTED					
					DST #1 4169-88 (Paw Snd)						DST #1 4172-90 (Paw Snd)						DST #1 4196-4228 (Cherokee)					
					Op 20", SB						Op 60", SB, GTS/45"						30-30-30-30					
					Recovered 240' VHOCM / 540' MO						Recovered 2175' oil - NW						Recovered 2646' SW					
																	SIP 1230-1230#					
					DST #2 4195 - 4215 (Cherokee)						DST #4 4195-4223 (Cherokee)											
					5", SB						Op 10", SB											
					Recovered 1,660' SW						Recovered 80' Mud / 120'OSM /											
											300' VHOCM &180' MO											

3D PROGNOSIS		
ANHYDRITE TOP	1382	858
HEEBNER	3696	-1456
LANSING	3746	-1506
BKC	4045	-1805
B/MARMATON	4188	-1948
PAWNEE SAND	4193	-1953

MISSISSIPPIAN	4295	-2055
RTD	4375	-2135

DST #3 4273-90 (Miss)
Op 60"
Recovered 90' Mud

DST #5 4238-52 (Cherokee)
Op 15", WB/13"
Recovered 40' M

ROCK TYPES

Cht, Cht vari, Lmst fw<7, shale, grn, shale, gry, Carbon Sh, shale, red, Shcol, Ss

ACCESSORIES

MINERAL
- Chert White
- Chert, dark

FOSSIL
- Bioclastic or Fragmental
- F Fossils < 20%
- Oolite
- Oolites
- Oomoldic

STRINGER
- Chert
- Limestone
- Sandstone
- Shale
- red shale

TEXTURE
- C Chalky

OTHER SYMBOLS

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

DST
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial

Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial

0 ROP (min/ft) 6
0 Gamma (API) 150
6 Cal (in) 16

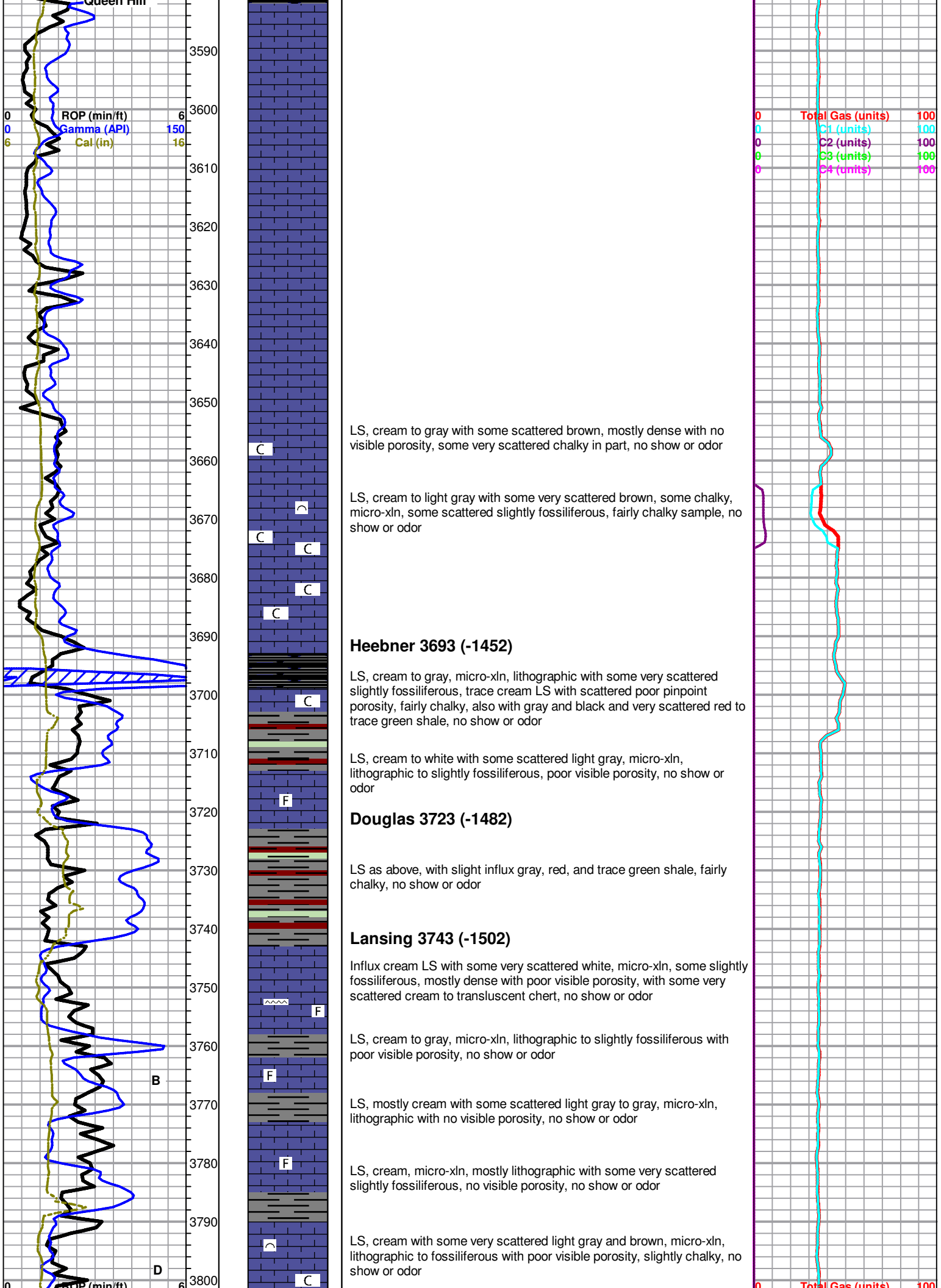
3520
3530
3540
3550
3560
3570
3580
Queen Hill

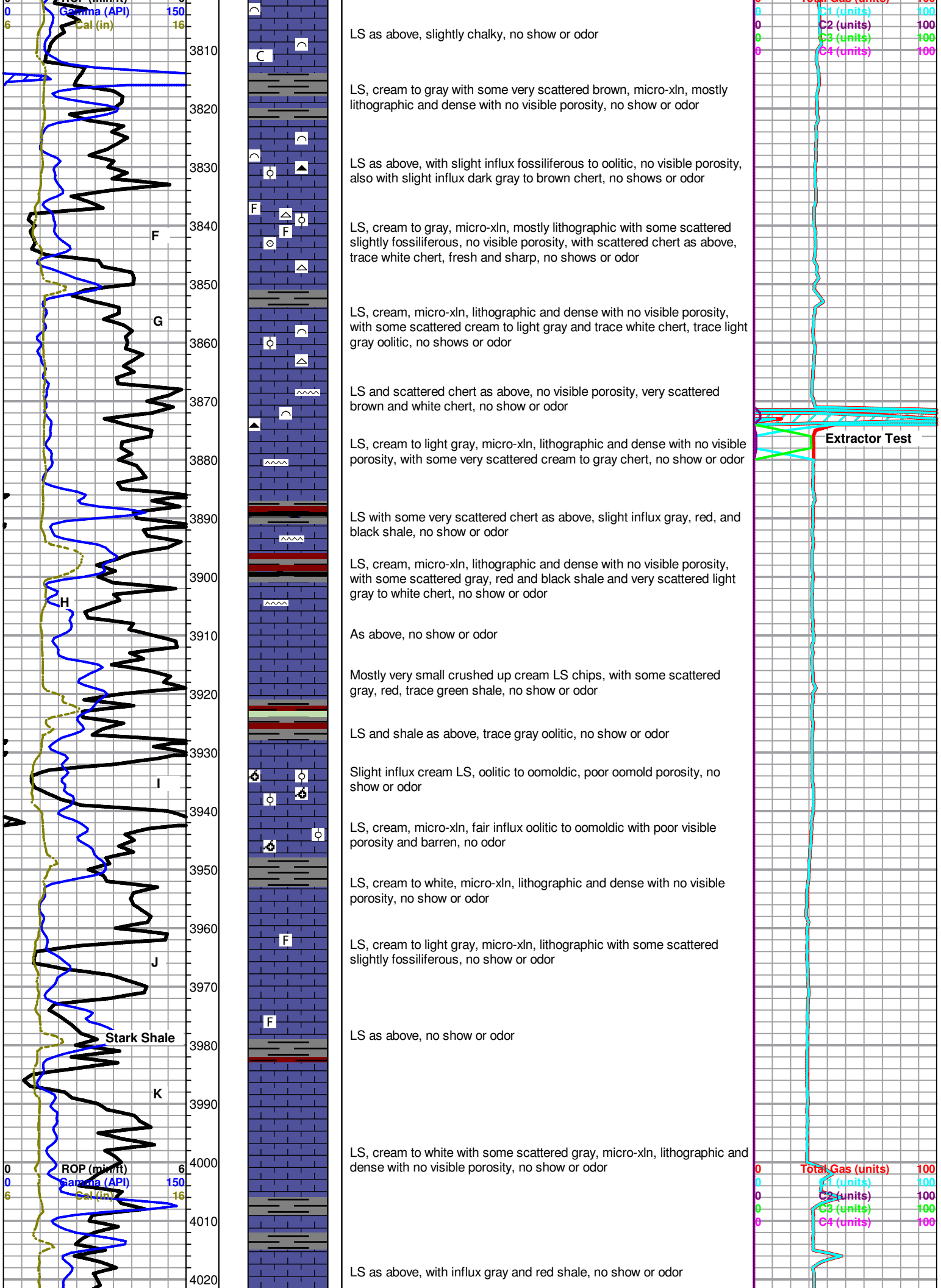
Logged By Jeremy Schwartz

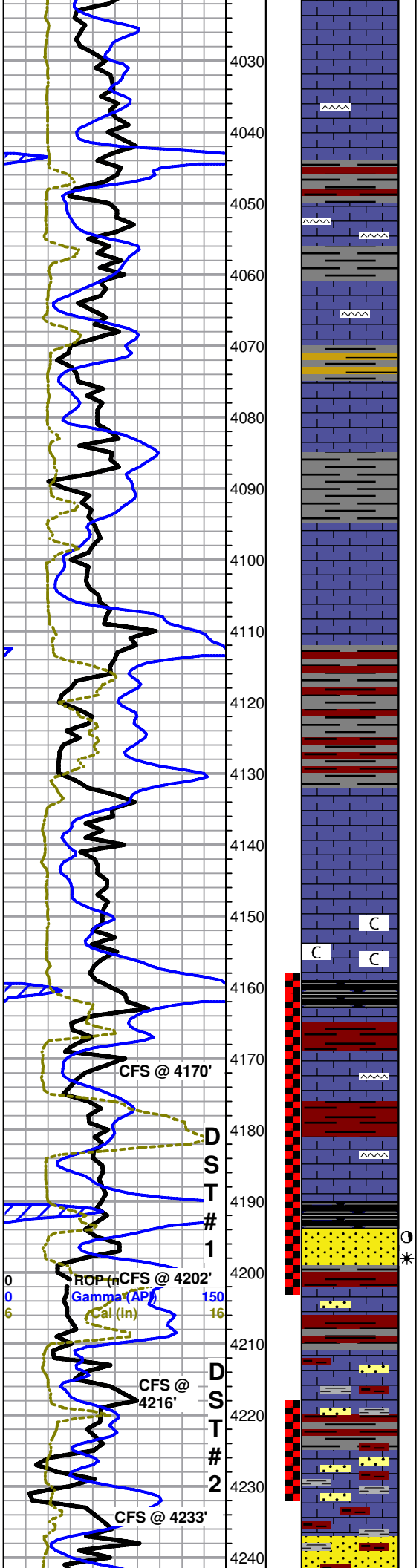
Shelby F-P Unit 1-5 dst 1.jpg
Shelby F-P Unit 1-5 dst 2.jpg

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

Mud-Co Mud chk
3542'
3/10/21
Vis: 52 Wt: 8.7
PV:16 YP: 25
WL: 5.8
Cake:1/32
pH: 11.5
Ca: Tr
CHL: 4,300ppm
Sol: 3.4 LCM: 2


Queen Hill
0 ROP (min/ft) 6
0 Gamma (API) 150
6 Cal (in) 16
3590
3600
3610
3620
3630
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730
3740
3750
3760
3770
3780
3790
3800
B
D
C
F
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
LS, cream to gray with some scattered brown, mostly dense with no visible porosity, some very scattered chalky in part, no show or odor
LS, cream to light gray with some very scattered brown, some chalky, micro-xln, some scattered slightly fossiliferous, fairly chalky sample, no show or odor
Heebner 3693 (-1452)
LS, cream to gray, micro-xln, lithographic with some very scattered slightly fossiliferous, trace cream LS with scattered poor pinpoint porosity, fairly chalky, also with gray and black and very scattered red to trace green shale, no show or odor
LS, cream to white with some scattered light gray, micro-xln, lithographic to slightly fossiliferous, poor visible porosity, no show or odor
Douglas 3723 (-1482)
LS as above, with slight influx gray, red, and trace green shale, fairly chalky, no show or odor
Lansing 3743 (-1502)
Influx cream LS with some very scattered white, micro-xln, some slightly fossiliferous, mostly dense with poor visible porosity, with some very scattered cream to transluscent chert, no show or odor
LS, cream to gray, micro-xln, lithographic to slightly fossiliferous with poor visible porosity, no show or odor
LS, mostly cream with some scattered light gray to gray, micro-xln, lithographic with no visible porosity, no show or odor
LS, cream, micro-xln, mostly lithographic with some very scattered slightly fossiliferous, no visible porosity, no show or odor
LS, cream with some very scattered light gray and brown, micro-xln, lithographic to fossiliferous with poor visible porosity, slightly chalky, no show or odor


0 Gamma (API) 150
6 Cal (in) 16
3810
3820
3830
3840
3850
3860
3870
3880
3890
3900
3910
3920
3930
3940
3950
3960
3970
3980
3990
4000
4010
4020
F
G
H
I
J
K
Stark Shale
0 ROP (min/ft) 6
0 Gamma (API) 150
6 Cal (in) 16
C
F
F
F
F
LS as above, slightly chalky, no show or odor
LS, cream to gray with some very scattered brown, micro-xln, mostly lithographic and dense with no visible porosity, no show or odor
LS as above, with slight influx fossiliferous to oolitic, no visible porosity, also with slight influx dark gray to brown chert, no shows or odor
LS, cream to gray, micro-xln, mostly lithographic with some scattered slightly fossiliferous, no visible porosity, with scattered chert as above, trace white chert, fresh and sharp, no shows or odor
LS, cream, micro-xln, lithographic and dense with no visible porosity, with some scattered cream to light gray and trace white chert, trace light gray oolitic, no shows or odor
LS and scattered chert as above, no visible porosity, very scattered brown and white chert, no show or odor
LS, cream to light gray, micro-xln, lithographic and dense with no visible porosity, with some very scattered cream to gray chert, no show or odor
LS with some very scattered chert as above, slight influx gray, red, and black shale, no show or odor
LS, cream, micro-xln, lithographic and dense with no visible porosity, with some scattered gray, red and black shale and very scattered light gray to white chert, no show or odor
As above, no show or odor
Mostly very small crushed up cream LS chips, with some scattered gray, red, trace green shale, no show or odor
LS and shale as above, trace gray oolitic, no show or odor
Slight influx cream LS, oolitic to oomoldic, poor oomold porosity, no show or odor
LS, cream, micro-xln, fair influx oolitic to oomoldic with poor visible porosity and barren, no odor
LS, cream to white, micro-xln, lithographic and dense with no visible porosity, no show or odor
LS, cream to light gray, micro-xln, lithographic with some scattered slightly fossiliferous, no show or odor
LS as above, no show or odor
LS, cream to white with some scattered gray, micro-xln, lithographic and dense with no visible porosity, no show or odor
LS as above, with influx gray and red shale, no show or odor
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
Extractor Test
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100



LS, cream to light gray with some scattered brown fossiliferous, mostly dense with no visible porosity, with some scattered tan chert, no show or odor

BKC 4043 (-1802)

Marmaton 4050 (-1809)

LS with some scattered cream to tan chert as above, no show or odor

LS, cream to light gray, micro-xln, lithographic and dense with no visible porosity, with some very scattered tan chert, no show or odor

LS as above, with some scattered gray and olive colored shales, no show or odor

LS, cream to light gray, micro-xln, dense with no visible porosity, no show or odor

LS as above, with influx gray and red shale, no show or odor

Red shale with some scattered gray, no show or odor

Pawnee LS 4132 (-1891)

Influx cream to light gray LS, lithographic and dense with no visible porosity, no show or odor

4170' 30" LS, cream to light gray, micro-xln, lithographic and dense with no visible porosity, with abundant red shale gray clay, chalky, no show or odor

60" Same as above, no shows, no sand

Mostly LS, gray to cream with some brown, mostly dense with no visible porosity, with some red and gray shale and trace burnt orange to tan chert, no shows or odor

Mostly LS and shale as above, with slight influx brown LS, very dense with no visible porosity, no show or odor

4202' 30" LS and shale as above, no show or odor

4202' 60" LS, shale, and clay as above, with slight influx SS clusters, clear to gray, vf-f grained, sub-rounded to sub-angular, some very friable, some fairly well cemented, upon break VSSFO in few (1-2 droplets) as well as very slight show of gas, some chalky, abundant sand grains in bottom of tray, sub-rounded, clear to slightly light brown/orange in color, fair fleeting odor in wet cup

4216' 30" Mostly gray and red shale with some scattered LS, trace SS clusters, few globs of green clay with sand grains embedded, clear, med-coarse grained, sub rounded to rounded, no evidence of sand grains in bottom of tray, no show or odor

4216' 60" Same as above, with trace SS clusters, clear to light gray, f-med grained, mostly sub-rounded, fairly dense and well cemented, upon break no show, no odor

4233' 30" Shale and LS with some scattered cream chert, fresh and sharp, no porosity, with scattered SS clusters, clear, f-grained, sub-rounded to sub-angular and fairly well cemented, with abundant grains in bottom of tray, some medium grained, clear to light brown, no show or odor

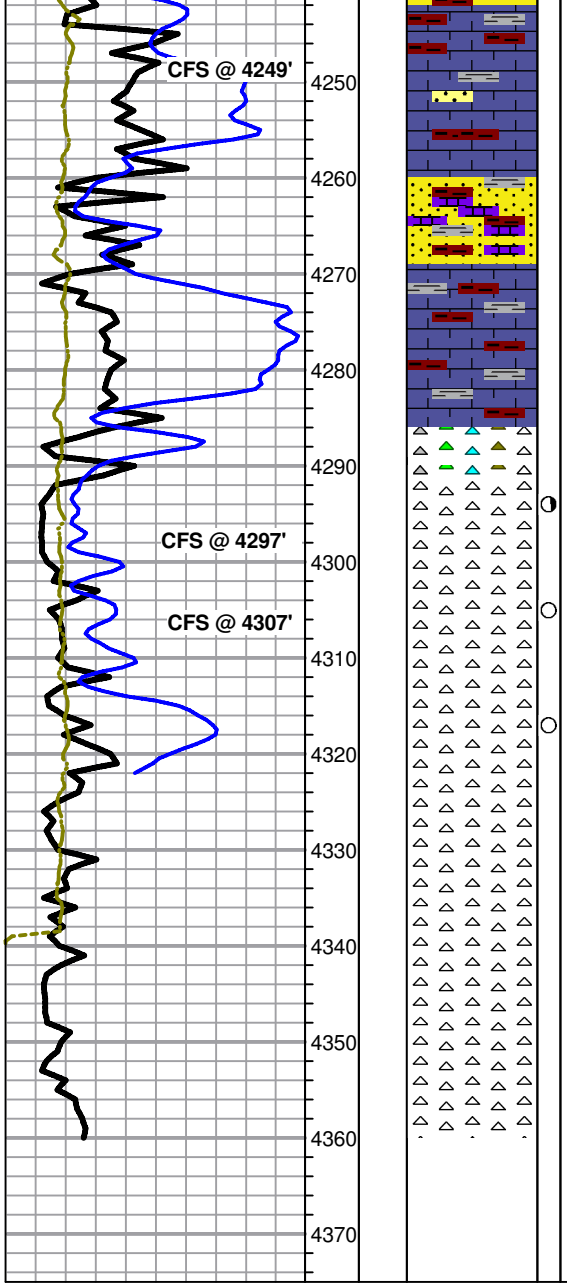
Mud-Co Mud chk
4048'
3/11/21
Vis: 61 Wt: 8.9
PV:13 YP: 28
WL: 6.0
Cake:1/32
pH: 11.5
Ca: Tr
CHL: 5,300ppm
Sol: 4.0 LCM: 4

Mud-Co Mud chk
4213'
3/12/21
Vis: 58 Wt: 9.0
PV:11 YP: 28
WL: 6.0
Cake:1/32
pH: 11.0
Ca: 80ppm
CHL: 7,500ppm
Sol: 4.6 LCM: 3

0 Total Gas (units) 100
0 Chl (units) 100
(Survey @ 4202' = 1/2deg 100
C3 (units) 100
C4 (units) 100

Strap @ 4231' = 29'STB
All Data on GeoLog Shifted up to new TD @ 4202'

Mud-Co Mud chk
4233'
3/13/21
Vis: 59 Wt: 9.0
PV:16 YP: 16
WL: 8.0



4233' 60" abundant loose SS grains in bottom of tray, f-med, clear to light brown, some with areas of darker brown staining, sub-rounded to rounded, also with some coarse grains, sub-rounded to rounded, frosted, no show of free oil or odor

4249' 30" Red and gray shale with some cream LS, no shows or porosity, trace SS clusters, clear, f-grained, sub-rounded, fairly well cemented, no loose sand grains in tray, also with trace cream to white chert, no shows or odor

4249' 60" As above, with slight inlfux SS, clear to white, med-grained, sub-angular, very dense, also with trace loose grains in bottom of tray, clear, f-grained, sub-rounded to sub-angular, no shows or odor

~4260' red and gray with trace green shale, with scattered cream LS, trace oomoldic, with very scattered SS as above, well cemented and dense, slight red wash, no show or odor

~4270' Shale and LS as above, trace SS, dense, red wash, no shows or odor

Mississippian 4292 (-2051)

4297' 30" As above, with scattered yellow to burnt orange and very scattered cream chert, most weathered, some fresh and sharp, no porosity, shows, or odor

4297' 60" Chert as above, with influx cream to white, mostly weathered, some scattered fresh and sharp, few very scattered chips with trace poor tripolitic porosity on edges and trace black stain in porosity, no cut, no odor

4307' 60" Chert, mostly cream to white, weathered, some scattered fresh and sharp, mostly barren with no visible porosity, few very scattered chips with trace poor tripolitic porosity and trace stain around porosity, no odor

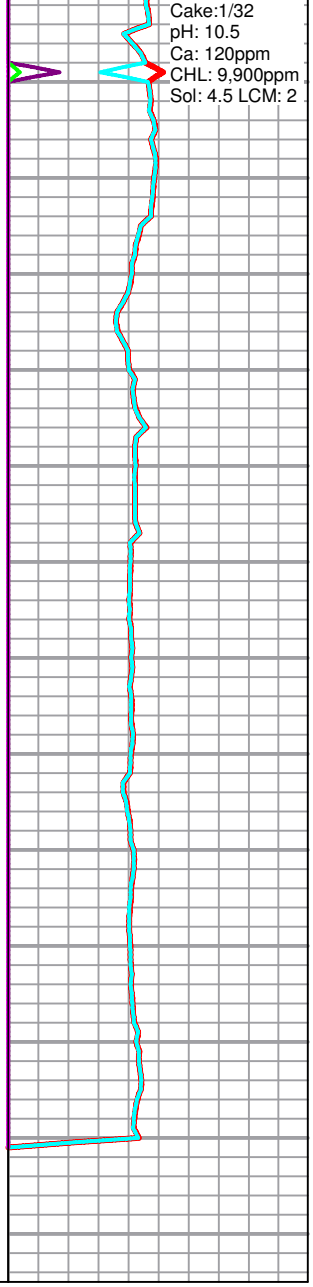
Chert as above, no odor

Chert, cream to white, weathered with some scattered fresh and sharp, slight influx small white fragments, barren, no shows or odor

4360' 30" Chert, white to cream, some fresh and sharp, some weathered, no visible porosity or shows, no odor

4360' 60" Chert, white to cream, no porosity, shows, or odor

Rotary TD 4360' @ 1630hrs 3/13/21
Eli Wireline Services Logging TD @ 4360'
Complete Logging Operations @ 0030hrs 3/14/21



Shelby F-P Unit 1-5 dst 1.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St.
Denver Co, 80207

ATTN: Jeremy Schwartz

5 - 20S - 19W

F-P Unit #1-5

Job Ticket: 47698 **DST#: 1**

Test Start: 2021.03.11 @ 00:05:00

GENERAL INFORMATION:

Formation: **Pawnee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:16:15
Time Test Ended: 08:57:15 Actual Interval 4158'-4202'

~~**Interval: 4169.00 ft (KB) To 4215.00 ft (KB) (TVD)**~~
Total Depth: 4213.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

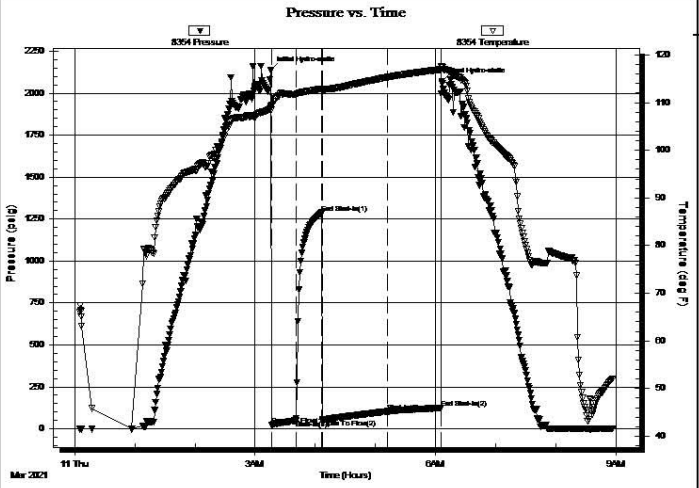
Reference Elevations: 2240.00 ft (KB)
2229.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 103.97 psig @ 4170.00 ft (KB)
Start Date: 2021.03.11 End Date: 2021.03.11
Start Time: 00:05:05 End Time: 08:57:15

Capacity: 8000.00 psig
Last Calib.: 2021.03.12
Time On Btm: 2021.03.11 @ 03:16:00
Time Off Btm: 2021.03.11 @ 06:06:30

TEST COMMENT: 20 - IF - Blow slowly built up to 2 1/2"
30 - ISI - No Return
45 - FF - Blow built to 1 1/2"
60 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.27	109.36	Initial Hydro-static
1	23.96	108.58	Open To Flow (1)
25	48.30	111.76	Shut-In(1)
51	1287.35	112.92	End Shut-In(1)
52	56.18	112.40	Open To Flow (2)
117	103.97	115.34	Shut-In(2)
170	123.83	116.95	End Shut-In(2)
171	2070.59	117.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
211.00	MW - 30%w - 70%m	1.06

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Shelby F-P Unit 1-5 dst 2.jpg

DRILL STEM TEST REPORT

Shelby Resources

3700 Quebec St.
Denver Co, 80207

ATTN: Jeremy Schwartz

5 - 20S - 19W

F-P Unit #1-5

Job Ticket: 47699 **DST#: 2**

Test Start: 2021.03.12 @ 20:12:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:17:30
Time Test Ended: 04:04:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 4218.00 ft (KB) To 4233.00 ft (KB) (TVD)
Total Depth: 4233.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

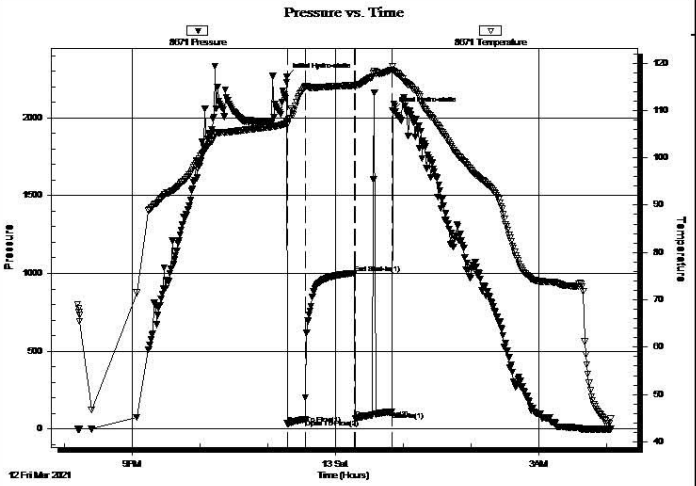
Reference Elevations: 2240.00 ft (KB)
2229.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671

Press@RunDepth: 1001.98 psig @ ft (KB)
Start Date: 2021.03.12 End Date: 2021.03.13
Start Time: 20:12:05 End Time: 04:04:29

Capacity: 8000.00 psig
Last Calib.: 2021.03.13
Time On Btm: 2021.03.12 @ 23:17:15
Time Off Btm: 2021.03.13 @ 00:50:45

TEST COMMENT: 15 - IF - Started a faint blow at the end of the opn
45 - ISI - No Return
30 - FF - No Blow for 15 mins flushed tool waited on blow for another 15 pulled tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.34	107.56	Initial Hydro-static
1	35.40	106.93	Open To Flow (1)
16	64.55	115.01	Open To Flow (2)
60	1001.98	115.30	End Shut-In(1)
61	68.56	114.98	Open To Flow (3)
93	113.05	118.60	Shut-In(1)
94	2047.32	119.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
196.00	w m - 30%w - 70%m	0.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 **Home Office P.O. Box 32 Russell, KS 67665** **No. 2202**

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3/5/2021	5	20	19	Pawnee	Kansas		7:15pm

Location Rush Center 7S' to X Rd 7W to stop sign

Lease F-P Unit Well No. 1-5 Owner 2S 1W Ninnescah

Contractor Murfin Drilling

Type Job Surface

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12¼ T.D. 1383.2'

Charge To Shelby Resources

Csg. 8 5/8 Depth 1381.15'

Street

Tbg. Size Depth

City State

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 42.79' Shoe Joint 42.79'

Cement Amount Ordered 485 60/40 4%cc 2%gel ½# Flow

Meas Line Displace 85 barrel

EQUIPMENT

Pumptrk 5	No.	Cementer	Tim
		Helper	
Bulktrk 19	No.	Driver	Doug
		Driver	Tony
Bulktrk PU	No.	Driver	David
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 8 5/8 casing and established Circulation
Cemented 8 5/8 with 485 sks

(Cement Circ)

X Signature Juan Rios

Common	291
Poz. Mix	194
Gel.	9
Calcium	22
Hulls	
Salt	
Flowseal	242
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	518
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	2
Baskets	
AFU Inserts	
Float Shoe	1
Latch Down	
	1-8 5/8 Ruber Plug
	1-8 5/8 Insert
Pumptrk Charge	Long Surface
Mileage	42
Tax	
Discount	
Total Charge	

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita KS 67202

Customer	Shelby Resources LLC	Lease & Well #	F-P Unit 1-5			Date	3/14/2021
Service District	Pratt Kansas	County & State	Pawnee Kansas	Legals S/T/R	5-20s-19w	Job #	
Job Type	plug	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	wp1212

Equipment #	Driver
916	M Brungardt
179-522	R Osborn
527/532	D Martinez

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☐ Muster Point/Medical Locations
☐ Hearing Protection	☑ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
cp055	H-Plug	sack	170.00			$1,878.50
cp120	Cello-flake	lb	43.00			$63.96
m015	Light Equipment Mileage	mi	65.00			$110.50
m010	Heavy Equipment Mileage	mi	65.00			$221.00
m020	Ton Mileage	tm	478.00			$609.45
c011	Cement Pump Service	ea	1.00			$935.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

			Net:	$3,818.41
Total Taxable	$ -	Tax Rate:		
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			Sale Tax:	$ -
			Total:	$ 3,818.41

HSI Representative: *Mark Brungardt*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X *Juan Toro*

CUSTOMER AUTHORIZATION SIGNATURE

ftv: 15-2021/01/25
mplv: 116-2021/03/12

TREATMENT REPORT

stomer:	Shelby Resources LLC	Well:	F-P Unit 1-5	Ticket:	wp1212
ity, State:	Larned Kansas	County:	Pawnee Kansas	Date:	3/14/2021
Field Rep:		S-T-R:	5-20s-19w	Service:	plug

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	1430 ft
Casing Size:	4 1/2 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H plug
Weight:	13.7 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	43.0 bbls
Total Sacks:	170 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:15 AM			-	-	on location job and safety
9:00 AM				-	rig up equipment
				-	1st plug 1430ft
11:00 AM	4.0	100.0	3.0	3.0	pump fresh
			12.7	15.7	mix 50 sacks cement
			17.0	32.7	displace
11:45 AM	4.0	100.0		-	2nd plug 530ft
			3.0	3.0	fresh water
			12.7	15.7	mix 50 sacks cement
			3.5	19.2	displace
12:15 PM					3rd plug 60ft
			15.0		mix 60 sacks
12:30 PM			7.6		rat hole mix30 sacks
			5.0		mouse hole mix 20 sacks

	CREW	UNIT
Cementer:	M Brungardt	916
Pump Operator:	R Osborn	179-522
Bulk #1:	D Martinez	527/532
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.0 bpm	100 psi	80 bbls

ftv: 15-2021/01/25
mplv: 116-2021/03/12

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

August 16, 2021

Chris Gottschalk
Shelby Resources LLC
3700 Quebec Street
Suite 100 PMB 376
DENVER, CO 80207-1639

Re: ACO-1
API 15-145-21867-00-00
F-P UNIT 1-5
SW/4 Sec.05-20S-19W
Pawnee County, Kansas

Dear Chris Gottschalk:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 03/04/2021 and the ACO-1 was received on August 16, 2021 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department