KOLAR Document ID: 1465163

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 #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW ☐ CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	<u>'</u>
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
☐ Dual Completion Permit #: ☐ SWD Permit #:	
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Caud Data on Data Dasahad TD Overslation Data	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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 Approved by: Date:							

KOLAR Document ID: 1465163

Page Two

Operator Name: _				Lease Name:			Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion			
Operator	Lotus Operating Company, L.L.C.			
Well Name	PERKINS 2			
Doc ID	1465163			

All Electric Logs Run

Dual Induction
Frac
Micro
Sonic
Neutron/Density Porosity

Form	ACO1 - Well Completion		
Operator	Lotus Operating Company, L.L.C.		
Well Name	PERKINS 2		
Doc ID	1465163		

Tops

Name	Тор	Datum
Heebner	3875	-1867
Lansing	4060	-2052
ВКС	4438	-2430
Miss	4522	-2514
Viola	4682	-2674
Simp Sh	4819	-2811
Arb	4927	9-291
LTD	4955	-2947

Form	ACO1 - Well Completion		
Operator	Lotus Operating Company, L.L.C.		
Well Name	PERKINS 2		
Doc ID	1465163		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.24	8.625	23	310	poz mix 60/40	2% gel, 3% cc

OPERATOR

Company: Lotus Operating Company, LLC

Address: 100 S. Main St.

Suite 420

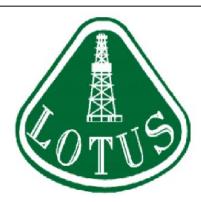
Wichita, KS 67202

Contact Geologist: Tim Hellman Contact Phone Nbr: 316-262-1077 Perkins #2

Well Name:

Sec 13-T29S-R15W Location: 15-151-22492-0000 API:

Pool: Field: Wildcat State: Country: USA Kansas



Scale 1:240 Imperial

Well Name: Perkins #2

Surface Location: Sec 13-T29S-R15W

Bottom Location:

API: 15-151-22492-0000

License Number: 31980

Spud Date: 5/31/2019 Time: 7:00 PM

Time:

12:45 PM

Region: Pratt

Drilling Completed: 6/7/2019

Surface Coordinates: 165' FSL & 2390' FEL

Bottom Hole Coordinates:

Ground Elevation: 1995.00ft

K.B. Elevation: 2008.00ft

Logged Interval: 3650.00ft To: 4955.00ft

Total Depth: 4955.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical Longitude: -98.91317882 Latitude: 37.5145686 N/S Co-ord: 165' FSL

E/W Co-ord: 2390' FEL

LOGGED BY

Keith Reavis

Consulting Geologist

Company: Keith Reavis, Inc. Address: 3420 22nd Street

Great Bend, KS 67530

620-617-4091 Phone Nbr:

KLG #136 Keith Reavis Logged By: Name:

CONTRACTOR

Contractor: **Duke Drilling Company**

Rig #:

Rig Type: mud rotary

TD Date: 6/7/2019 Time: 7:00 PM
TD Date: 6/7/2019 Time: 12:45 PM

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2008.00ft Ground Elevation: 1995.00ft

K.B. to Ground: 13.00ft

NOTES

Due to negative drill stem test results and electrical log analysis, the operator elected to plug the Perkins #2 as a dry test.

A Bloodhound gas detection system operated by Bluestem Labs was employed during the drilling of this well. ROP and gas curves were imported into this log from the Bloodhound system. Gamma ray and caliper curves were imported from the electrical log suite.

Samples were saved and will be available for review at the Kansas Geological Survey Sample Library located in Wichita, KS.

Respectfully submitted, Keith Reavis

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
06/03/2019	3503	Geologist Keith Reavis on location @ 0930 hrs, 3606 ft, drilling ahead, Heebner, Toronto, Douglas
06/04/2019	4162	drilling ahead, Lansing, Dennis, Swope, Hertha, BKC
06/05/2019	4481	show and gas kick in Marmaton warrants test, short trip, ctch, TOH w/bit in w/tools, conduct and complete DST #1, successful test, TIH w/bit, drill Massey, Mississippian, show and kick in Miss warrants test, TOH w/bit
06/06/2019	4557	finish tripping bit, in w/tools, conduct and complete DST #2, successful test, TIH w/bit, resume drilling Miss, Kinderhook, Viola
06/07/2019	4877	drilling ahead, Viola, Simpson, Arbuckle, RTD 4955 ft. @ 1245 hrs, short trip, TOH, rig up and run open hole logs, geologist off loc 2355 hrs

well comparison sheet

		DRILLING V	ELL	N	COMPARISON WELL			
Perkins #2 165' FSL 2390' FWL					Lotus - Perkins #1 330' FSL 1320' FWL			
						322111 TH	Struct	ural
	2008	KB		22	201	l KB	Relationship	
Formation	Sample	Sample Sub-Sea Log Sub-Sea				Sub-Sea	Sample	Log
Heebner	3876	-1868	3875	-1867	3868	-1857	-11	-10
Toronto	3896	-1888	3893	-1885	3887	-1876	-12	-9
Douglas	3917	-1909	3914	-1906	3908	-1897	-12	-9
Brown Lime	4046	-2038	4044	-2036	4032	-2021	-17	-15
Lansing	4060	-2052	4060	-2052	4044	-2033	-19	-19
B zone	4089	- <mark>2081</mark>	4087	-2079	4073	-2062	-19	-17
H zone	4234	-2226	4234	-2226	4216	-2205	-21	-21
Dennis	4323	- <mark>231</mark> 5	4322	-2314	4303	-2292	-23	-22
Stark	4364	-2356	4359	-2351	4345	-2334	-22	-17
Swope	4371	-2363	4365	-2357	4352	-2341	-22	-16
Hertha	4406	-2398	4405	-2397	4390	-2379	-19	-18
BKC	4441	-2433	4438	-2430	4421	-2410	-23	-20
Marmaton	4446	-2438	4449	-2441	4432	-2421	-17	-20
Massey	4500	-2492	4498	-2490	4470	-2459	-33	-31
Cherokee Sh.	4521	-2513	4521	-2513	4496	-2485	-28	-28
Miss. Chert	4522	-2514	4522	-2514	NP			
Kindhk Chert	4646	-2638	4647	-2639	4505	-2494	-144	-145

Kindhk Shale	4657	-2649	4657	-2649	4515	-2504	-145	-145
Viola	4680	-2672	4682	-2674	4540	-2529	-143	-145
Simpson Shale	4845	-2837	4819	-2811	4704	-2693	-144	-118
Simpson Sand	4862	-2854	4860	-2852	4741	-2730	-124	-122
Arbuckle	4925	-2917	4927	-2919	4804	-2793	-124	-126
RTD	4955	-2947	4955	-2947	4842	-2831	-116	-116

Drill Stem Test #1



DRILL STEM TEST REPORT

Lotus Operating Co

Perkins #2 100 s. main st ste 420 wichita ks 67202+3737

> Job Ticket 65789 DST#:1

13-29s-15w

ATTN: Keth Reavis Test Start 2019:06:05 @ 05:57:00

GENERAL INFORMATION:

Formation: Marm aton

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 08:45:45 Benny Muligan Tester: Unit No:

Time Test Ended: 13:05:00

4440.00 ft (KB) To 4481.00 ft (KB) (TVD) Interval:

4481.00 ft (KB) (TVD) 1996.00 ft (CF)

Hole Diameter: 7.88 inches tole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 8018

Total Depth:

Length (ft) 3.00

Press@RunDepth: ft (KB) Capacity: 8000.00 psig 24.68 psig @

Start Date: 2019.06.05 End Date: 2019.06.05 Last Calb.: 2019.06.05 Start Time: 05:57:05 End Time: 13:04:59 Time On Btm: 2019.06.05 @ 08:33:30

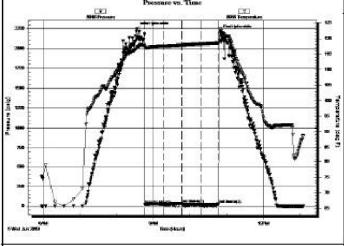
Time Off Btm 2019.08.05 @ 10:49:15

Reference Bevations:

2008.00 ft (KB)

TEST COMMENT: IF-30- built to 1"

ISI-30- no blow back FF-30- dead FSI-30- no blow back



Recovery

Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)	0.0000000000000000000000000000000000000	
.0	2246.00	117.04	h tial Hydro-static	
13	24.49	117.08	Open To Flow (1)	
43	28.61	117.54	Shut-In(1)	
73	38.45	117.86	End Shut-In(1)	
74	23,36	117.87	Open To Flow (2)	
105	24.68	118.25	Shut-In(2)	
134	29.51	118.58	End Shut-In(2)	
136	2207.82	123.03	Final Hydro-static	

Description Volume (bb) Mud 100% M 0.01

9	Chake (inches)	Pressure (paig)	Gas Rate (McM)		

Gas Rates

Drill Stem Test #2



Lotus Operating Co

13-29s-15w

Perkins #2

100 s. main st ste 420 wichita ks 67202+3737

Job Ticket 65790

DST#:2

ATTN: Keth Reavis

Test Start 2019.06.06 @ 00:27:00

GENERAL INFORMATION:

Formation:

Interval: Total Depth: Miss

Deviated: No Whipstock: Time Tool Opened: 02:33:00

Time Test Ended: 08:28:15

ft (KB)

Conventional Bottom Hole (Initia)

Tester:

Benny Muligan

Unit No:

2008.00 ft (KB)

67

Reference Bevations:

1996.00 ft (CF)

KB to GR/CF:

12.00 ft

Serial #: 8018

Hole Diameter:

Inside

4557.00 ft (KB) (TVD)

Press@RunDepth:

25.61 psig @

7.88 inches tole Condition: Fair

4511.00 ft (KB) To 4557.00 ft (KB) (TVD)

4512.00 ft (KB)

2019.06.06

Capacity: Last Calb.:

8000.00 psig 2019.06.06

Start Date: Start Time:

2019.06.06 00:27:05 End Date: End Time:

08:28:14

Time On Btm:

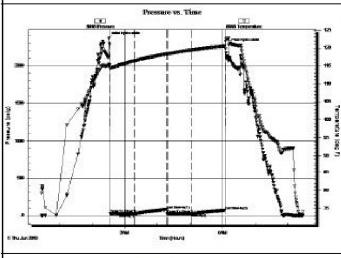
2019.06.06 @ 02:30:45

Time Off Btm

2019.06.06 @ 06:11:45

TEST COMMENT: IF-45- built to 2'

ISI-60- no blow back FF-45- built to 1" FSI-60- no blow back



b		PF	E S S UR	E SUMMARY	
Ī	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
ı	0	2361.19	115.38	hitial Hydro-static	
ı	3	24.77	114.21	Open To Flow (1)	
ı	48	23.62	116.41	Shut-In(1)	
្ន	107	82.98	118,31	End Shut-In(1)	
á	108	20.97	118.32	Open To Flow (2)	
	151	25.61	119.39	Shut-In(2)	
E E	214	70.98	120.52	End Shut-In(2)	
2	221	2272.00	122.65	Final Hydro-static	
	35				

Length (ft)	Diescription	Volume (bb)
5.00	O.S.M. 100%M	0.02
	45	9

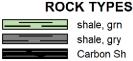
Gas Rates Chake (inchee) Pressure (psig) Gas Rate (McNt)

△△△△ Cht **△ △ △**

Cht vari Dolprim



Dolsec Lmst fw<7 Lmst fw7>



shale, grn shale, gry Carbon Sh

shale, red Ss Sltst

ACCESSORIES

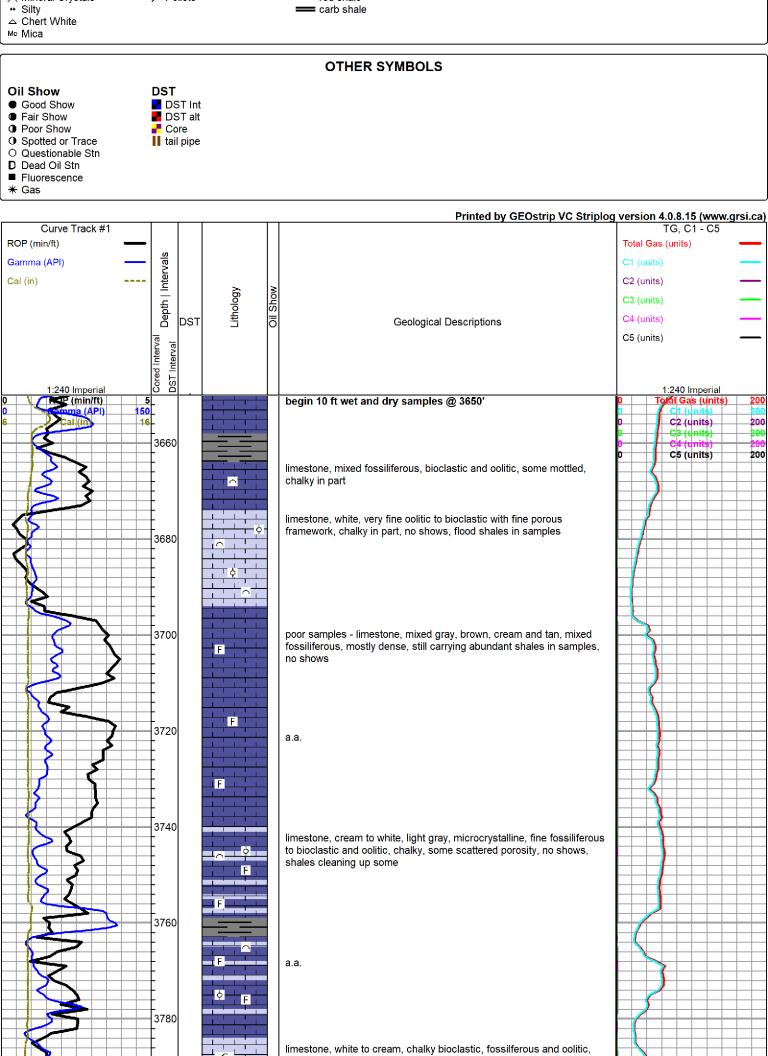
MINERAL

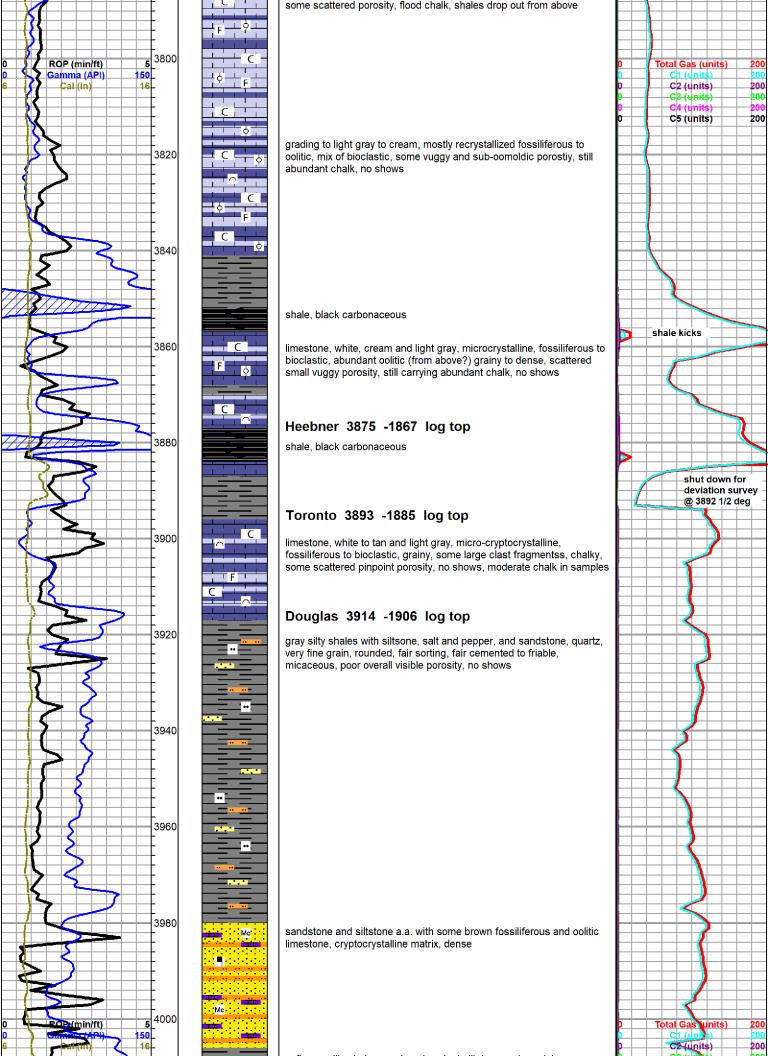
- Argillaceous ▲ Chert, dark
- ∠ Dolomitic
- Heavy, dark minerals → Mineral Crystals
- **FOSSIL** ○ Bioclastic or Fragmental □ Coral
- F Fossils < 20%
- Oolite ර Pellets

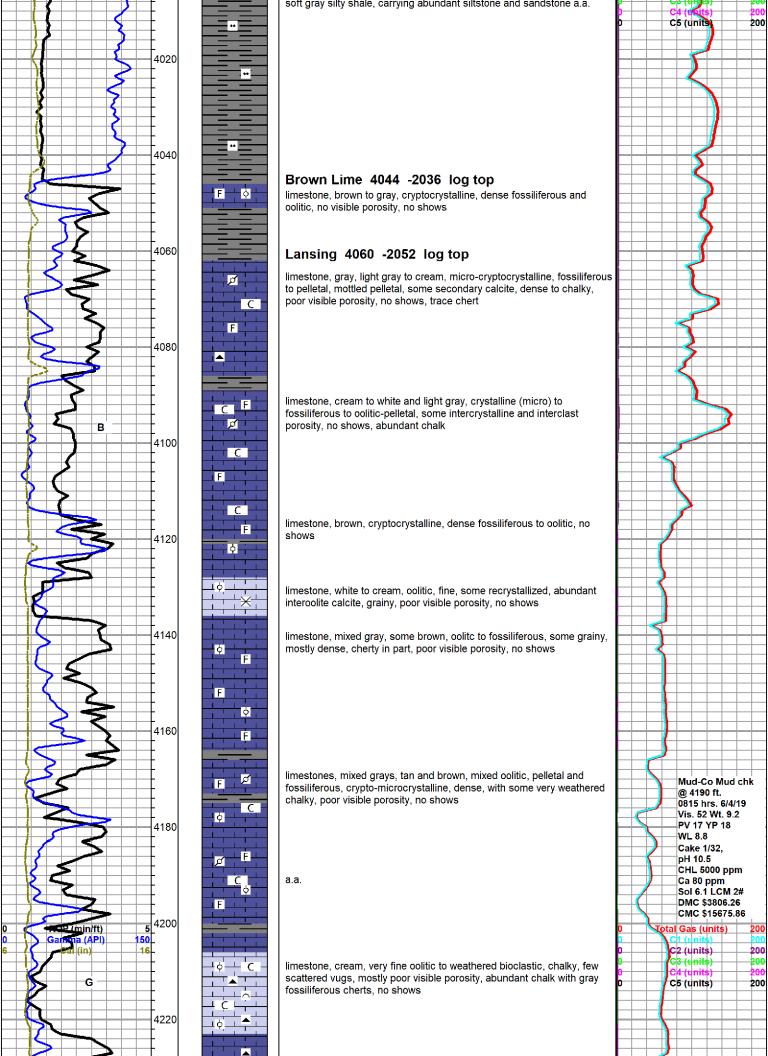
- **STRINGER** Limestone
- Sandstone ---- Siltstone
- green shale red shale

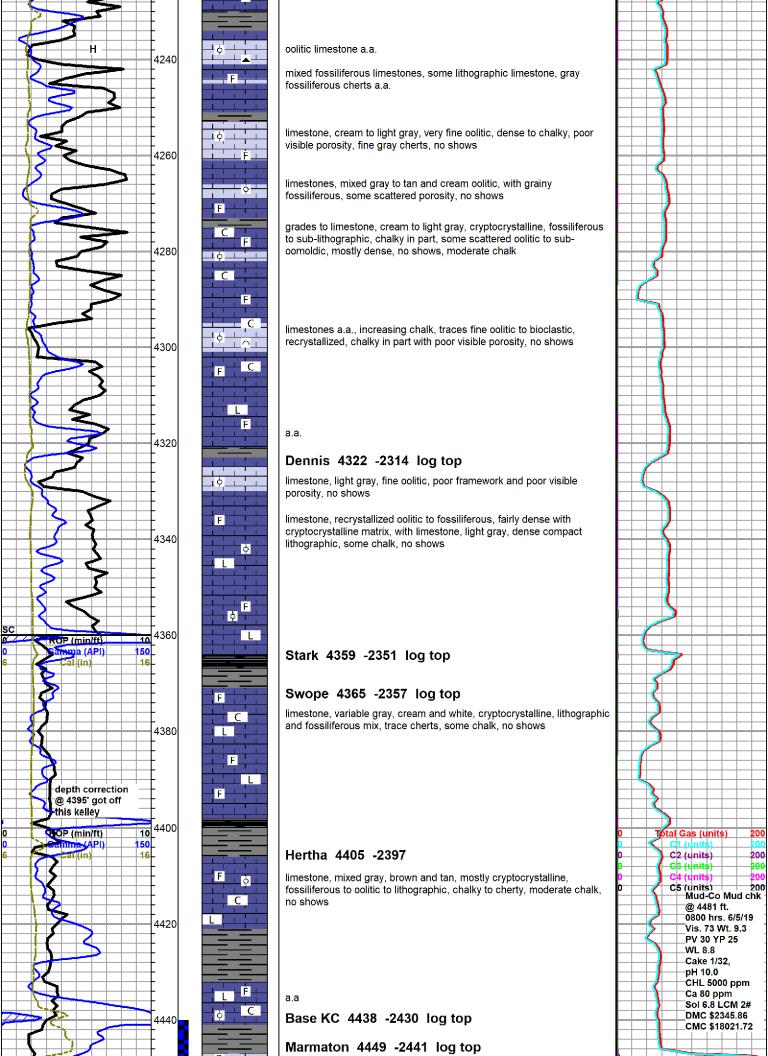
TEXTURE C Chalky

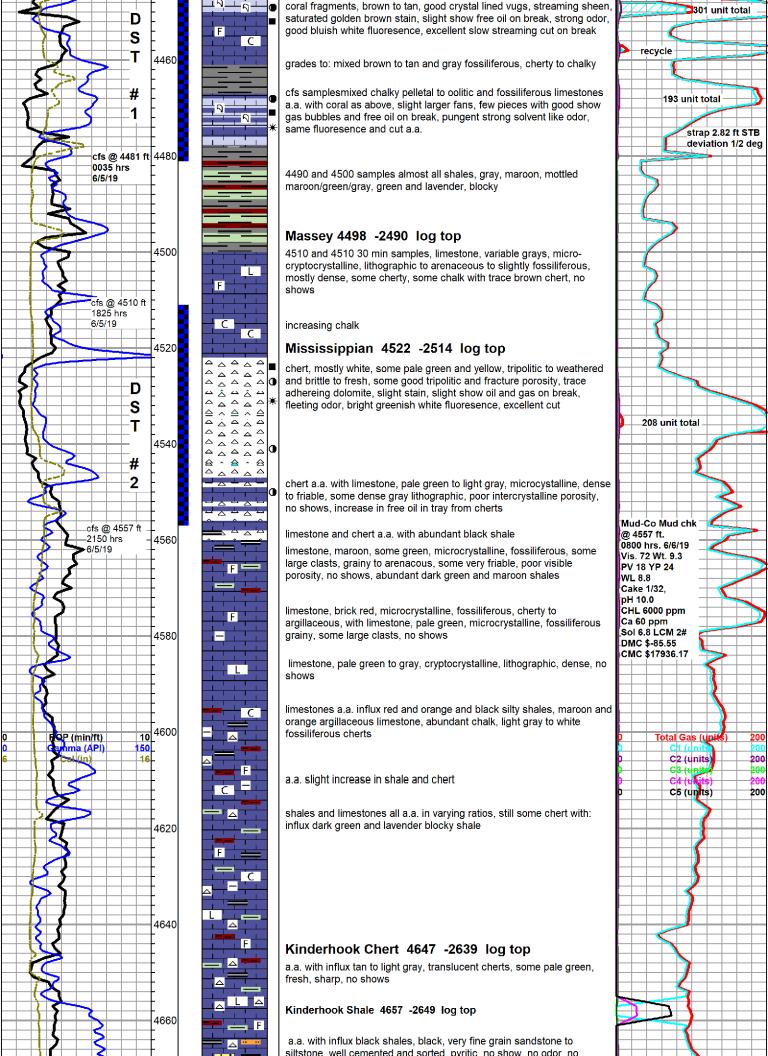
L Lithogr

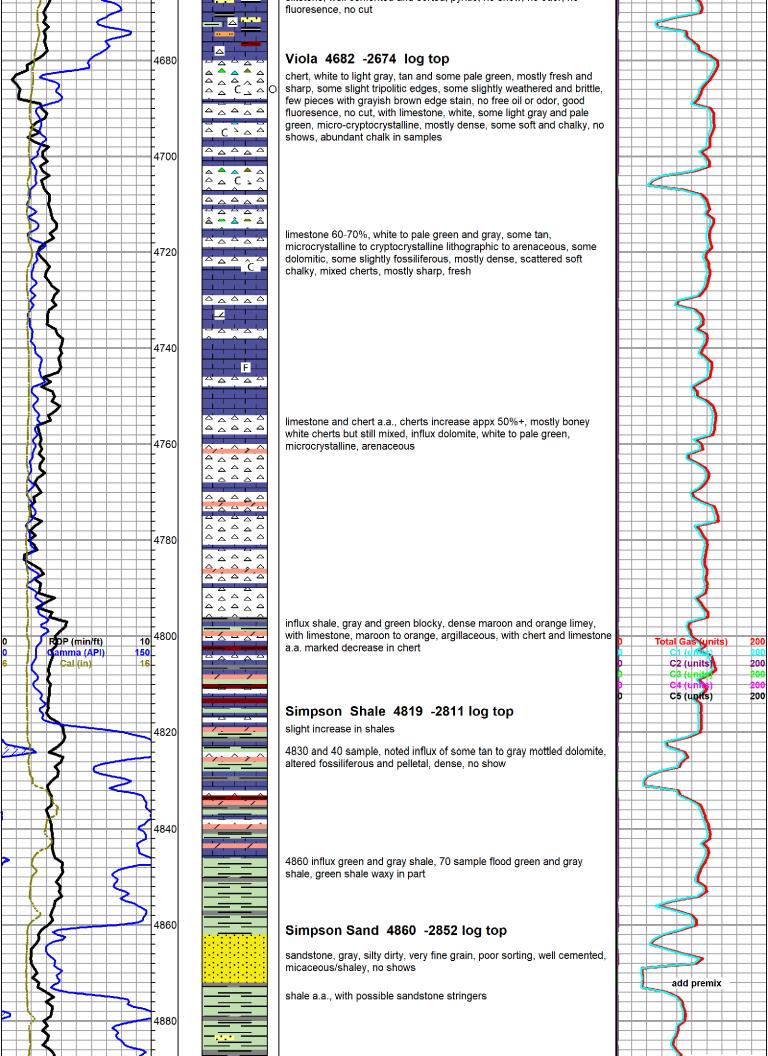


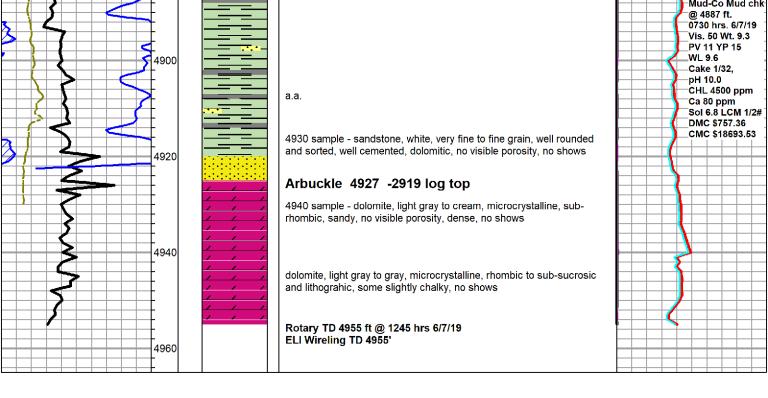














Prepared For: Lotus Operating Co

100 s. main st ste 420 wichita ks 67202+3737

ATTN: Keith Reavis

Perkins #2

13-29s-15w

Start Date: 2019.06.06 @ 00:27:00 End Date: 2019.06.06 @ 08:28:15 Job Ticket #: 65790 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Lotus Operating Co

13-29s-15w

100 s. main st ste 420 w ichita ks 67202+3737

Perkins #2

Tester:

Job Ticket: 65790

DST#: 2

ATTN: Keith Reavis

Test Start: 2019.06.06 @ 00:27:00

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:33:00 Time Test Ended: 08:28:15

Interval: 4511.00 ft (KB) To 4557.00 ft (KB) (TVD)

Total Depth: 4557.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Benny Mulligan

Unit No: 67

Reference Elevations:

2008.00 ft (KB)

8000.00 psig

1996.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8018 Inside

Press@RunDepth: 25.61 psig @ 4512.00 ft (KB) Capacity:

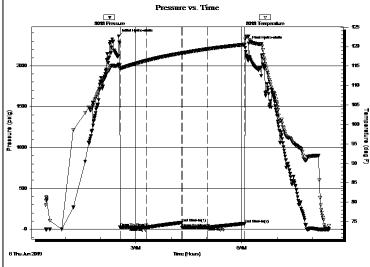
 Start Date:
 2019.06.06
 End Date:
 2019.06.06
 Last Calib.:
 2019.06.06

 Start Time:
 00:27:05
 End Time:
 08:28:14
 Time On Btm:
 2019.06.06 @ 02:30:45

Time Off Btm: 2019.06.06 @ 06:11:45

TEST COMMENT: IF-45- built to 2"

ISI-60- no blow back FF-45- built to 1" FSI-60- no blow back



PRESSURE SUMMARY				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2361.19	115.38	Initial Hydro-static
	3	24.77	114.21	Open To Flow (1)
	48	23.62	116.41	Shut-In(1)
	107	82.98	118.31	End Shut-In(1)
	108	20.97	118.32	Open To Flow (2)
	151	25.61	119.39	Shut-In(2)
,	214	70.98	120.52	End Shut-In(2)
,	221	2272.00	122.65	Final Hydro-static

Recovery

Description	Volume (bbl)
O.S.M. 100%M	0.02
	Description O.S.M. 100%M

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



FLUID SUMMARY

Lotus Operating Co

13-29s-15w

100 s. main st ste 420 w ichita ks 67202+3737

Perkins #2

Job Ticket: 65790

Serial #:

DST#: 2

ATTN: Keith Reavis

Test Start: 2019.06.06 @ 00:27:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:73.00 sec/qtCushion Volume:bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Recovery Information

Recovery Table

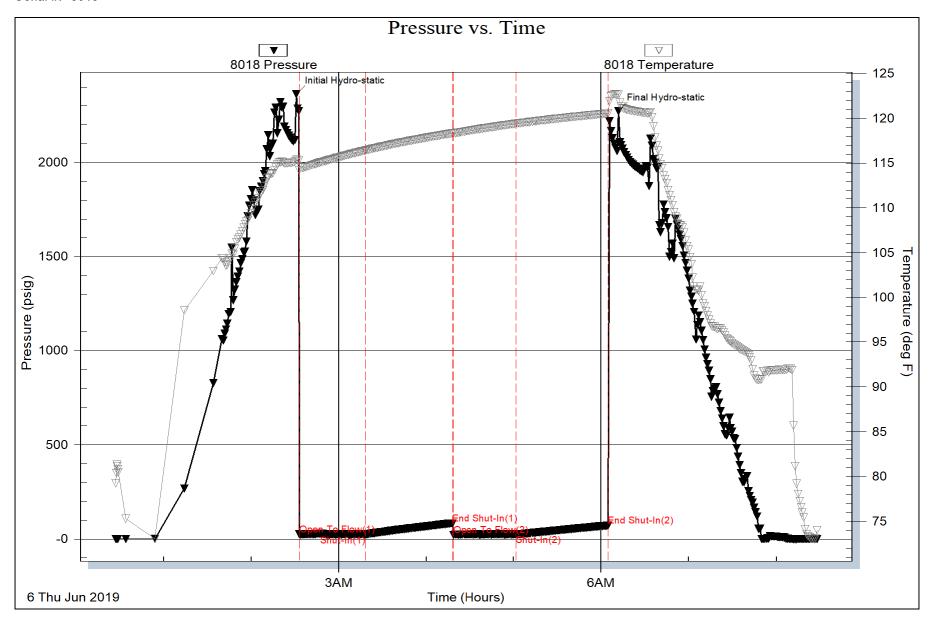
Length ft	Description	Volume bbl
5.00	O.S.M. 100%M	0.025

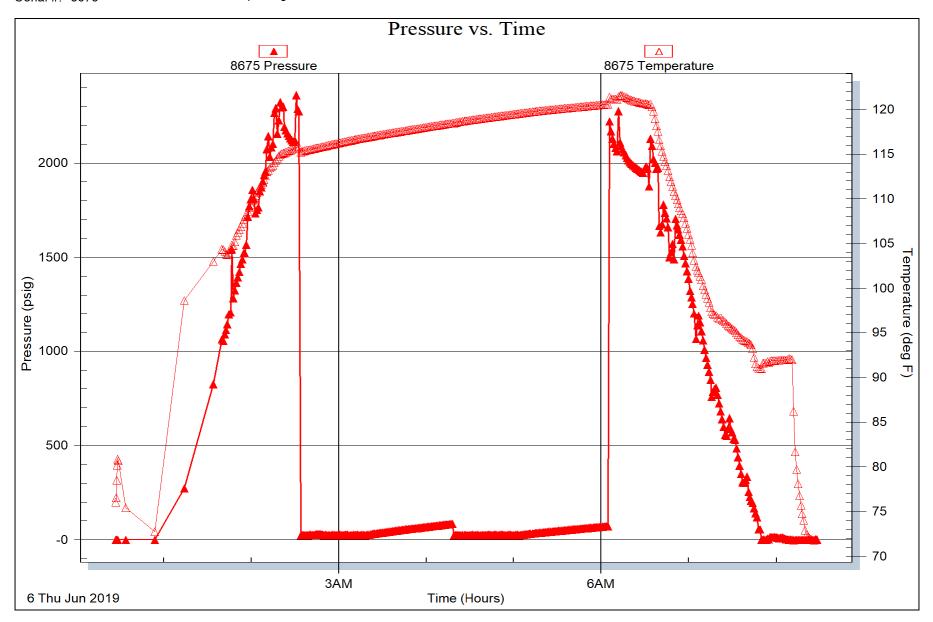
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:







Prepared For: Lotus Operating Co

100 s. main st ste 420 wichita ks 67202+3737

ATTN: Keith Reavis

Perkins #2

13-29s-15w

Start Date: 2019.06.05 @ 05:57:00 End Date: 2019.06.05 @ 13:05:00 Job Ticket #: 65789 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Lotus Operating Co

13-29s-15w

100 s. main st ste 420 w ichita ks 67202+3737

Perkins #2

Tester:

Job Ticket: 65789

DST#: 1

ATTN: Keith Reavis

Test Start: 2019.06.05 @ 05:57:00

GENERAL INFORMATION:

Formation: Marmaton

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 08:45:45 Time Test Ended: 13:05:00

4440.00 ft (KB) To 4481.00 ft (KB) (TVD)

Total Depth: 4481.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial)

Benny Mulligan

Unit No: Reference Elevations:

2008.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8018

Interval:

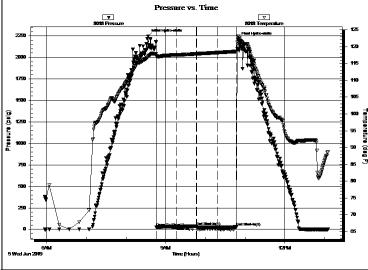
Press@RunDepth: 24.68 psig @ ft (KB)

Capacity: 8000.00 psig Start Date: 2019.06.05 End Date: 2019.06.05 Last Calib.: 2019.06.05 Start Time: 05:57:05 End Time: 13:04:59 Time On Btm: 2019.06.05 @ 08:33:30

Time Off Btm: 2019.06.05 @ 10:49:15

TEST COMMENT: IF-30- built to 1"

ISI-30- no blow back FF-30- dead FSI-30- no blow back



		PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2246.00	117.04	Initial Hydro-static	
	13	24.49	117.08	Open To Flow (1)	
	43	28.61	117.54	Shut-In(1)	
	73	38.45	117.86	End Shut-In(1)	
3	74	23.36	117.87	Open To Flow (2)	
	105	24.68	118.25	Shut-In(2)	
,	134	29.51	118.58	End Shut-In(2)	
9	136	2207.82	123.03	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

Gas Rates			
	Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)



Lotus Operating Co 13-29s-15w

100 s. main st ste 420 w ichita ks 67202+3737 **Perkins #2**

Job Ticket: 65789 **DST#:1**

ATTN: Keith Reavis Test Start: 2019.06.05 @ 05:57:00

GENERAL INFORMATION:

Formation: Marmaton

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 08:45:45

Tester: Benny Mulligan
Time Test Ended: 13:05:00

Unit No: 67

Interval: 4440.00 ft (KB) To 4481.00 ft (KB) (TVD) Reference Elevations: 2008.00 ft (KB)

Total Depth: 4481.00 ft (KB) (TVD) 1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

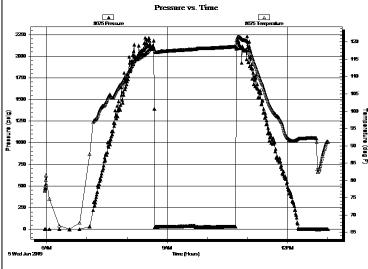
Serial #: 8675

Start Date: 2019.06.05 End Date: 2019.06.05 Last Calib.: 2019.06.05

Start Time: 05:57:05 End Time: 13:00:29 Time On Btm: Time Off Btm:

TEST COMMENT: IF-30- built to 1"

ISI-30- no blow back FF-30- dead FSI-30- no blow back



_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
ľ				
Temperature (deg F)				
و				
		1 1		

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
Mud 100% M	0.01
	·

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



FLUID SUMMARY

Lotus Operating Co

13-29s-15w

100 s. main st ste 420 w ichita ks 67202+3737

Perkins #2

Job Ticket: 65789

Serial #:

DST#: 1

ATTN: Keith Reavis

Test Start: 2019.06.05 @ 05:57:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Recovery Information

Recovery Table

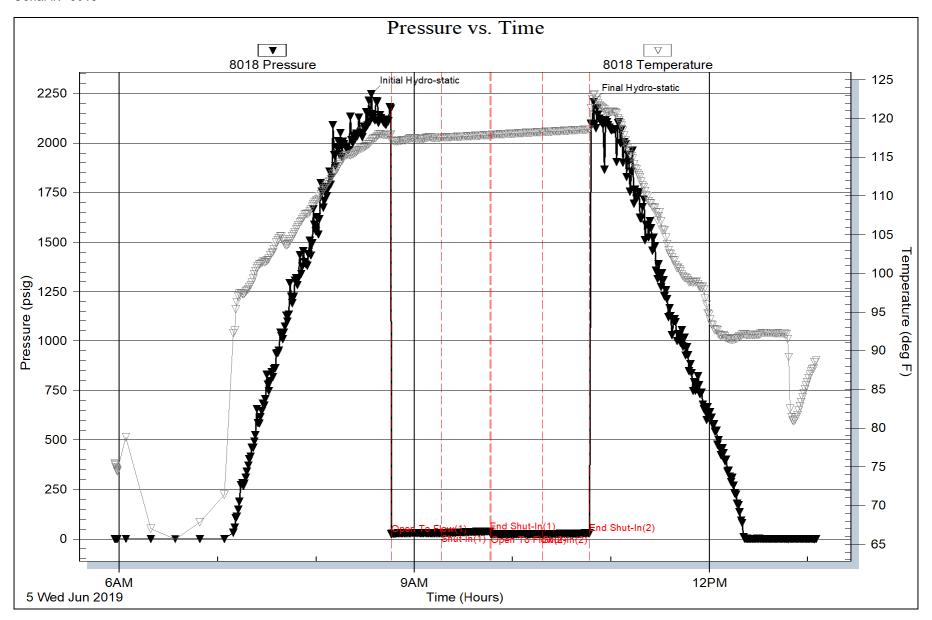
Length ft	Description	Volume bbl
3.00	Mud 100% M	0.015

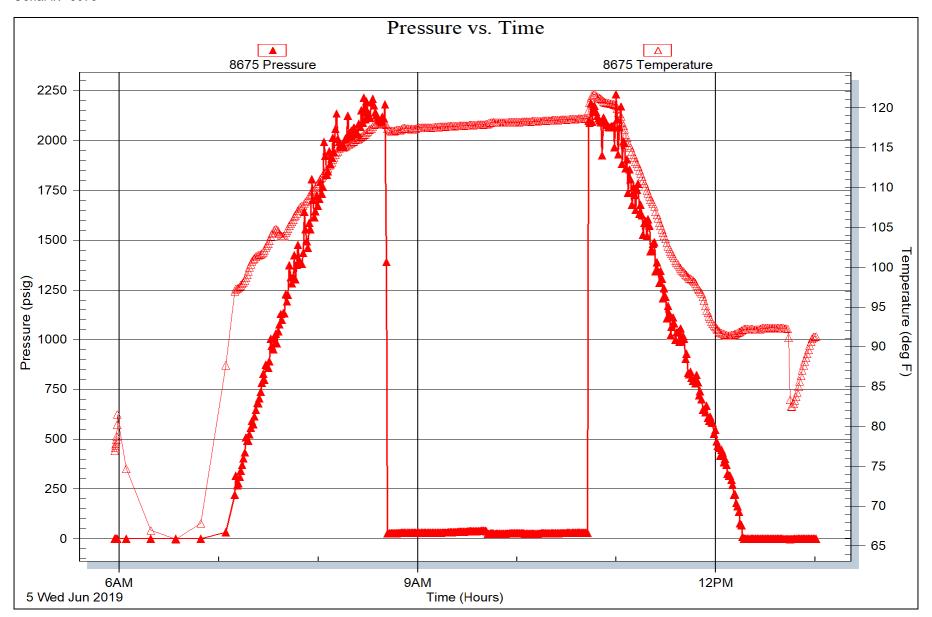
Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:





Quality Well Service, Inc.

PO Box 468 Pratt, KS 67124

Invoice

Date	Invoice #
6/3/2019	C-2044

Bill To	
Lotus Operating Co. LLC 100 S. Main, STE. 420 Wichita, KS 67202	

P.O. No.	Terms	Lease Name
		Perkins #2

Description	Qty	Rate	Amount
Common	135	15.50	2,092.50
Poz	90	9.50	855.00
Gel	4	22.00	88.00
Calcium	7	60.00	420.00
Flo-Seal	112.5	3.70	416.25
SFC 0-500'	1	600.00	600.00
Handling	236	2.10	495.60
.08 * sacks * miles	4,720	0.08	377.60
Service Supervisor	1	150,00	150.00
LMV	20	3.75	75.00
Heavy Equipment Mileage	40	8.00	320.00
Customer Discount		-1,177.99	-1,177.99
Discount Expires after 30 days from the date of the invoice		0.00	0,00
Perkins #2			
Pratt Co.			
	Ì		
Thank You for your business!	Subtota	l	\$4,711.96
	Sales Ta	ax (8.25%)	\$0.00
	Total		\$4,711.96

7129

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368 Home Office 30060 N. Hwy 281, Pratt, KS 67124 Mailing Address P.O. Box 468

Office 620-727-3410 Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

Sec.	Twp.	Range	T (County	State	On Location	Finish	
Date BB1-19 13	295	15W		ATT	KI			
Lease PEEKINS	Well No.	12	Location	on Coats	. 4W N	into		
Contractor Doke Del	a Río	+9		Owner				
Type Job 35/8 Sze Faci	<u>ب</u>	, ,			ell Service, Inc.	t cementing equipment	and furnish	
Hole Size 12'/4	T.D.	3/3		cementer an	d helper to assist ov	vner or contractor to do	work as listed.	
Csg. 영화 23 ¹	Depth	313.87		Charge)	DIUS OPER	PATING G. In		
Tbg. Size	Depth			Street				
Tool	Depth			City		State		
Cement Left in Csg. 2つ	Shoe Jo	oint 20		The above wa	s done to satisfaction a	and supervision of owner	agent or contractor.	
Meas Line	Displac	e /3.6		Cement Amo		25 SK 60/40		
<u> </u>	MENT	T		21.101	31.CL 1/2"	CF		
Pumptrk 8 No. TJ				Common /	35	,	<u> </u>	
Bulktrk 10 No. JFK	E			Poz. Mix	93 .			
Bulktrk No.				Gel.	4			
Pickup No.	<u> </u>			Calcium	7			
JOB SERVICE	S & REMA	RKS	_	Hulls				
Rat Hole		٠.		Salt				
Mouse Hole				Flowseal //2.5				
Centralizers				Kol-Seal				
Baskets				Mud CLR 48			<u>~</u>	
D/V or Port Collar				CFL-117 or	CD110 CAF 38			
Run 7-41 5 85/8 231	'CSQ SE	T 2310.	<i>8</i> 7	Sand				
STATE CSG CSG ON BOX	tom H	pollup to C	36,	Handling 2	236	٠.		
BECAK CIEC Waig				Mileage 2c	1 4720			
- A J	366 H	120			FLOAT EQUIPM	MENT		
START MIZ Pump Za	25 5x 6	040		Guide Shoe				
2/6=1 3/11/2'P	5 2 14	17 Gal		Centralizer				
START DISO				Baskets				
Pum 13.6 Bdi tota	1			AFU Inserts				
Close VALVEON (SG				Float Shoe				
GOOD CIPLAHUN JOB			Latch Down					
CILL CAT TO DIF			SEPVICESAJ					
				LMV	<u>29</u>			
				Pumptrk Cha	arge SFC /			
That 402				Mileage 4				
Plase Co.	11AKH	1/1				Tax		
TO00 TH	TIKI	7				Discount		
Signature Gunnaria Many						Total Charge		
· · · · · · · · · · · · · · · · · · ·	i						Toylor Printing Inc	

AP Copy

Quality Well Service, Inc.

PO Box 468
Pratt, KS 67124

Bill To	
Lotus Operating Co. LLC	
100 S. Main, STE. 420 Wichita, KS 67202	
Wichita, K.S 67202	

Invoice

Date	Invoice #
6/10/2019	C-2046

RECEIVED

JUN 11 20.5

	50.11	-		
	P.O. No.	Terms	L	ease Name
				Perkins #2
Description		Qty	Rate	Amount
Common Poz Gel Plug Handling .08 * sacks * miles Service Supervisor LMV Heavy Equipment Mileage Customer Discount Discount Expires after 30 days from the date of the invoice Perkins #2 Pratt Co. GL# 9247 DESC. Augging WELL# Perkin		132 88 800 1 228 4,560 1 20 40		2,046.00T 836.00T 176.00T 950.00T 478.80T 364.80T 150.00T 75.00T 320.00T -1,349.15 0.00
Thank You for your business!		Subtotal		\$4,047.45
~	<u> </u>	Sales Ta	x (8.25%)	\$333.91
C		Total		\$4,381-36

7132

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368 Home Office 30060 N. Hwy 281, Pratt, KS 67124 Mailing Address P.O. Box 468

Office 620-727-3410 Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

Sec	c. Twp.	Range	Count	ty	State	On Location	Finish	
Date 6-8-19 13	3 295	15W	Pear	7	Ks			
Lease PECKIOS	Well No.	7.	Location	Coa	42 141) Winto		
Contractor Dala Ric # 9				ner				
Type Job PTA		J			Service, Inc.	cementing equipmer	it and furnish	
Hole Size 77%	T.D.		cem	enter and h	helper to assist ow	ner or contractor to d	o work as listed.	
Csg.	Depth		Cha To	rge 10	DTUS OPER	PATING CO. L	LC	
Tbg. Size 412 0 P	Depth		Stre	et				
Tool	Depth		City			State		
Cement Left in Csg.	Shoe Jo	pint	The	above was c	done to satisfaction ar	nd supervision of owner	agent or contractor.	
Meas Line	Displac	9	Cen	nent Amour	nt Ordered 2	20 Sc 60/43	> AH. GEL	
	IPMENT							
Pumptrk & No.	5		Con	nmon /3;	2			
	DKIZ		Poz	. Mix 90	727			
Bulktrk No.			Gel.	<u> </u>	3 .			
Pickup No.			Cald	cium		•		
JOB SERVIC	ES & REMA	RKS	Hull	S				
Rat Hole 30 sc	***************************************		Salt		· · · · · · · · · · · · · · · · · · ·			
Mouse Hole 705/			Flov	vseal				
Centralizers			Kol-	Kol-Seal				
Baskets			Mud	I CLR 48				
D/V or Port Collar			CFL	-117 or CD)110 CAF 38			
13TP106 0 4925	50× 60	140 41.6d	San	d				
Pomp HZO			Han	dling 22	3			
Mix! Ponp 50 & 60/40	41.666		Mile	age Zo	1 4560			
0.50 H/30					FLOAT EQUIPME	ENT		
Osp Rigning				de Shoe				
21 Plu 6 500	SUSX 6	0/40 476	Cen	Centralizer				
Perisp 1/20		*	l l	Baskets				
MX + Panp DOCX 6	0/40 49	0001	AFU	AFU Inserts				
25P. HZO			Floa	Float Shoe				
316301 105x 64411 496 501			Latc	Latch Down				
Parings M20			5E	SERVICE SOOJ 1 EA				
Mx + Pary SUSX 60/46 490 GE1				LMV 20				
DISP 1120			Pumptrk Charge PTA					
42 Play 60' 20 5	X LGA	10 4 % on	Miles	age 40	•			
MX + Pamy 205x 60HO 40/6 Cpc1					Tax			
			-			Discount		
20 SX Ray Hole 20 SX Mouse Hole X Signature Continue Mais				Total Charge				