

### Kansas Corporation Commission Oil & Gas Conservation Division

1056620

Form ACO-1
June 2009
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. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd.  CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:   Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I I II Approved by: Date:

Side Two



Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Type of Cement			# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Specify Footage of Each Interval Perfo			s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually ( (Submit AC		nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	LARRABEE EXT. 3-4
Doc ID	1056620

# Tops

Name	Тор	Datum
HEEBNER	4434	-1858
TORNONTO	4464	-1888
LANSING	4610	-2034
MARMATON	5250	-2674
CHEROKEE	5448	-2872
ATOKA	5645	-3069
MORROW	5770	-3194
MISSISSIPPI CHESTER	5857	-3281
STE. GENEVIEVE	6236	-3660
ST. LOUIS	6294	-3718
TD	6397	-3821



**Cement Report** 

	Liberal	, Kansas							ent neport
Customer	Obrien	Enery		Lease No.			1	ate 4-17-11	
Lease	bee Ex	+ "		Well # 3-4 Service Re				Receipt 0159	5
Casing 8 % 24# Deptit / 550			County M	County Meadl State 165					
Job Type 5	orface		Formation			Legal Description	14-3	4-29	
		Pipe [			L	Perforating	Data	Cen	nent Data
Casing size	8/8 2	44	Tubing Size			Shots/l	Ft	Lea	dyobe-A-Con
Depth /	550		Depth		From		То	7.9	5843-58
Volume G	6615		Volume		From		То	18,10	Sal-516 11.4 45
Max Press	(418)		Max Press	a I	From		То	Tail	in 150sk-frem
Well Connec	ction 85%		Annulus Vol.		From		To	1.34	FITSK Plus
Plug Depth	1508		Packer Depth		From		То	6.53	in 150sk-frem FFISK PWS Gal-SK 14.4#
Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate			s	Service Log 70	
900						Amire	On	Location	·
430						Safety	Me	Utag Ris	00
955						<u> Ris</u>	Rum	n in Casan	/
1115						Cira	class	w/ pis	
1130						Hodrug	10	BE5	
1150	1800		1.0	,5		Pres	SSINC	TEST	
1200	400		210	5.0		Ping Lea	nd c	mt @ 11.	4#5
1740	300		37	3.5		ump Tail	cont	- @ 14.8	75
1255						Wash U	10-	Drap Plex	
1300	400		76	4.7		Dis	place	, , ,	
1320	650		20	2.5		Disc	1400	- Slas Dos	me
1330	1200		.5	.5		hen	1	Ver- Flow	f Itelf
			<u></u>			(	Cem	ent To	Surface
							306	Complete	•
								<u> </u>	
							· · · · ·	<i>t</i>	
						THANKS F	00/	Str. Dasic	Ena Services
	- 4								
Service Unit	is 19810	20	19828-19919 NorM	19805-19	808	19827198	83	X-Tra	
Driver Name		raoc	Roban.	Toser	7.	David C.		Heter	

Customer Representative

Station Manager

John hacez

Cementer

Taylor Printing, Inc.



	Libera	al, Kansas					Cement Report			
Customer (	Thine	VI EV	revalled	Lease No.		Date	4/23/11			
Lease ( CATO MARE FY				Well #	-41	Service Rece	eipt			
Casing		Depth		County /						
Job Type	77-1		Formation			Description (/- 3	4-79			
		Pipe [	Data		Perfe	orating Data	Cement Data			
Casing size			Tubing Size	<del> </del>		Shots/Ft	Lead 1604x 6/1			
Depth			Depth		From	То	11×54			
Volume			Volume	. 4	From:	3/1/10	1 SOCUHISK UP			
Max Press	Country 1.	2 2 2	Max Press		From	/ To	Tail in			
Well Connec	tion		Annulus Voi.		From	То				
Plug Depth			Packer Depth		From	То	<del></del>			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate		Servi	ce Log			
2130					07/100	Sport	lrucks, Satter			
23 24	E,	7400	10	4	Parine	11000	cr. 10			
27:34		100	()	5	Strick	60KICIPO	7 (013,5# 50sK			
13:07		MENO C	13.3	2	Bino 4	120 SixV				
23 3/1	1		2	5	mod					
25 321	4	- 0	1.7		Shut C	Youn H	11140 4160			
111					96					
		96	10	46	117015	ucco				
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T. C.		0	10.6	heref	Pliner	126				
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1.77		1, 3	S	4/	45+ 11 (1)	( 2000 6	13.54			
: 5 <sup>3</sup> 8 [V		( 2	6.3		Glante	doco	POH 12441			
2211		1 13	-, = ; : <u></u> ;	*	Plia	RYM				
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				,	Epol.					
6 7				3 F						
Service Units	1600	46	30-16-319-443	14450	195176					
Driver Names			7 6	· -5. (10)						

**Customer Representative** 

Station Manager

Cementer

Taylor Printing, Inc.

# O'Brien Energy Resources, Inc. Larrabee Extension No. 3-4 Section 4, T34S, R29W

Meade County, Kansas April, 2011

# **Well Summary**

The O'Brien Energy Resources, Corporation, Larrabee Extension No. 3-4 was drilled to a total depth of 6395' in the Mississippian St. Louis Formation in a total of 122 rotating hours and without any problems. Appreciation to Duke Rig 6 hands.

The Larrabbee Extension No. 3-4 offset the Larrabee No. 1-4 by 3190' to the west. Formation tops came in high relative to this offset. The Heebner, Toronto and Lansing came in 24', 20' and 16' high respectively. The Marmaton, 8' high. The Cherokee, Atoka and Morrow ran 20', 16' and 26' high. The Chester came in 11' high and the Ste. Genevieve, 16' high. The Marmaton came in 13' low relative to the Raydon Exploration, No. 1-4 Irish Flats, to the Southeast. The Morrow and Chester, 10' low relative to this offset.

Several worthy hydrocarbon shows were encountered during the drilling of this test. The Marmaton(5250'-5262') consists of a Limestone: Medium to light mottled brown, comicrite, micro to finely crystalline, microsucrosic in part, brittle, clean, very soft and chalky in part, very fossiliferous & colitic with good moldic porosity with sparry calcite infill, intercrystalline & vuggy porosity, bright light speckled blue hydrocarbon fluorescence(6% spl), slow streaming to bleeding cut, trace light oil stain. A 60 Unit gas increase was noted.

The Chester(5992'-5999') consists of a Limestone to a very calcareous Sandstone: Medium to dark mottled gray to brown, speckled black, hard to friable in part, fine well sorted grains, very calcareous, argillaceous, occasional good intergranular & vuggy porosity, speckled black oil stain, dark brown live oil, speckled gold brown hydrocarbon fluorescence(5% spl), excellent streaming cut. A 160 Unit gas increase occured.

The Lower Chester(6140'-6146') consists of a Limestone: Medium to dark brown with oil staining, oomicrite, microcrystalline, microsucrosic, brittle, clean to argillaceous, very oolitic with excellent oomoldic porosity, occasional vuggy and intercrystalline porosity with matrix oil staining, dull brown to bright yellow hydrocarbon fluorescence(8% spl), excellent fast streaming cut, trace live dark brown oil. A 430 Unit gas kick was documented. This interval tested tight and recovered 428' of gas and 130' of gas cut mud(10% gas).

Additional minor shows were documented(attached mudlog).

The Larrabee Extension No. 3-4 was plugged and abandoned 4/24/11.

Respectfully Submitted,

Peter Debenham

#### WELL DATA

Operator:

O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH

Geologist: Paul Wiemann – Denver, CO

**Prospect Geologist:** 

Ed Schuett, David Ward

Well:

Larrabee Extension No. 3-4

Location:

510' FNL & 770' FWL, Section 4, T34S, R29W, Meade County, Kansas -

South of Meade.

Elevation:

Ground Level 2564', Kelly Bushing 2576'

Contractor:

Duke Drilling Rig No. 6, Type: Double jacknife, triple stand, Toolpusher Rick

Schollenbarger, Drillers: , Danny White, Mike Brewer

Company Man:

Roger Pearson – Liberal, Kansas

Spud Date:

4/16/11

Total Depth:

4/22/11, Driller 6395', Logger 6397', St. Louis

Casing Program:

39 joints of 8 5/8", J55, 24Lbs/ft, set at 1550'.

Mud Program:

Mud Co./Service Mud Inc., Engineer Brad Boritz, mud up 2600'.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 4000', Box 350, Drake,

CO 80515, 720/220-4860.

Samples:

30' to 5750', 10' to TD. Zones of interest saved.

Electric Logs:

Weatherford, Engineer Lynn Scott, 1) Dual Induction 2) Compensated Neutron

Litho Density 3) Microlog

**Drill Stem Testing:** 

Trilobite, Engineer Leal Carson. DST No. 1(6136'-6195'), Chester Fm.

Status:

Plugged and abandoned 4/24/11

# WELL CHRONOLOGY

6 AM <u>DATE DEPTH</u>	<b>FOOTAGE</b>	RIG ACTIVITY				
4/14		Move to location and rig up.				
4/15 up rotary tolls. Unloa	ad and strap cas	Mix spud mud and pump water. Drill rathole and mousehole. Rig sing.				
4/16 1070°	1070'	Rig up. Spud in 12 1/4" surface hole to 1070'. Survey(1/2 deg.).				
	/4 lbs & 2% cc)	To 1550' and circulate and condition mud. Rig up casing crew /8" set at 1550' with 460 sacks A-con(1/4 lbs floseal, 3% cc) and b. Wait on cement. Back off 8 5/8". install wellhead and nipple up rip in.				
4/18 2870' for Bit No. 3. To 287 2600'.	1320' 70'. Survey(1/4	Trip in. Drill plug and cement and 7 7/8" hole to 1800' and trip deg.). Service rig and dump suction and displace mud system at				
4/19 4060'	1190'					
4/20 5048' circulate. To 5095'.	988'	Survey(1/2 deg.). To 5048' and wiper trip 28 stands and				
4/21 6070'	1022'	Circulate for samples at 5258'. Drilling.				
4/22 6395'TD stands and circulate a tester.	325' and condition. I	To 6395'TD and circulate and condition mud. Wiper trip 40 Drop survey(1/2 deg.) and trip out for e-logs and run same. Wait on				
4/23 TD Wait on tester and load out test tool. Trip in and run DST No. 1(6136'-6195'), Chester Fm. Trip tool and load out same. Trip to bottom and circulate. Trip out laying down and plug and abandon well. Rig down.						

# BIT RECORD

<u>NO.</u>	MAKE	<b>TYPE</b>	SIZE	<u>OUT</u>	<b>FOOTAGE</b>	<b>HOURS</b>
1 2 3	HTC HTC HTC	GTX-63 GX 28 Q506F	12 ¼" 7 7/8" 7 7/8"	1550° 1800° 6395°	1550° 250° 4595°	24 <sup>3</sup> / <sub>4</sub> 4 <sup>1</sup> / <sub>2</sub> 93
				Total Rotat Ave	ing Hours: crage:	122' 52.42 Ft/hr

### **DEVIATION RECORD - degree**

1005' ½, 1550' 2, 2572' 1/2, 4327' ½, 6395' ½

#### **MUD PROPERTIES**

<b>DATE</b>	<b>DEPTH</b>	<u>WT</u>	<u>VIS</u>	<u><b>PV</b></u>	<u>YP</u>	<u>pH</u>	$\underline{\mathbf{WL}}$	<u>CL</u>	LCM-LBS/BBL
4/17	1550'	9.4	33	2	4	7.0	n/c	32.5K	4
4/18	2420'	9.7	28	1	2	7.0	n/c	92K	0
4/19	3646'	9.4	38	6	8	7.0	n/c	12.6K	2
4/20	4677'	9.3	40	8	14	10.0	9.2	2K	2
4/21	5676'	9.3	52	15	22	10.5	8.0	2.5K	4
4/22	6395'	9.3	53	16	20	10.5	8.0	2K	2
				-	-	_ ,			_

# **ELECTRIC LOG FORMATION TOPS-** KB Elev. 2576'

			*Larrabee	No. 1-4
<b>FORMATION</b>	<b>DEPTH</b>	<b>DATUM</b>	<b>DATUM</b>	<b>POSITION</b>
Heebner	4434'	-1858'	-1882'	+24'
Toronto	4464'	-1888'	-1908'	+20'
Lansing	4610'	-2034'	-2050'	+16'
Marmaton	5250'	-2674'	-2682'	+8,
Cherokee	5448'	-2872'	-2892'	+20°
Atoka	5645'	-3069'	-3085'	+16'
Morrow	5770'	-3194'	-3220'	+26'
Mississippi Chester	5857'	-3281'	-3292'	+11'
Ste. Genevieve	6236'	-3660'	-3676'	+16'
St. Louis	6294'	-3718'		
TD	6397'	-3821'		

<sup>\*</sup>O'Brien Energy, Larrabee No. 1-4, 330'FNL & 1320'FEL, Sec. 4 – 3190' to the East, K.B. Elev. 2550'.

#### **DRILL STEM DATA**

<u>DST NO. 1:</u>(6136'-6195'), Chester Fm. Type: Straddle, Times: 24-68-20-122

Blows: IF – Bottom of bucket in 12 min., FF – Weak to 3" blow, SI's – no blow back.

<u>PERIC</u>	<u>PSI</u>
IH	3085
IF	101 - 178
ISI	1348
FF	167 - 107
FSI	1265
FH	2988
BHT	135 deg. F.

RECOVERY: 428' gas, 130' gas cut mud(10% gas). Sample Chamber – 2000 ml mud(20% gas), 500 PSI.

### LITHOLOGY STRIP LOG

# WellSight Systems

Scale 1:240 (5"=100') Imperial

Well Name: O'Brien Energy, Larrabee Extension No. 3-4

Location: 510'FNL & 770'FWL, Section 4, 34S, R29W, Meade Co., KS

Licence Number: API: 15-119-21283 Region: Hougoton Spud Date: 4/16/11 Drilling Completed: 4/22/11

Surface Coordinates: 510'FNL & 770'FWL, Section 4, 34S, R29W, Meade Co., KS

Bottom Hole 510'FNL & 770'FWL, Section 4, 34S, R29W, Meade Co., KS

Coordinates:

Ground Elevation (ft): 2564' K.B. Elevation (ft): 2576'

Logged Interval (ft): 4000' To: TD Total Depth (ft): 6395'

Formation: Lansing, Marmaton, Morrow, Chester, St. Louis

Type of Drilling Fluid: Chemical Gel/LSND/LCM, mud up 4000'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

#### **OPERATOR**

Company: O'Brien Energy Resources, Corp.

Address: 18 Congress St., Suite 207

Portsmouth, NH 03801

President/Owner John Forma, Geologist Paul Wiemann

#### **GEOLOGIST**

Name: Wellsite: Peter Debenham Company: Petrolific Consulting Services

Address: P.O. Box 350

Drake, CO 80515

720/220-4860. Petrolific@gmail.com

#### Comments

Engineer Roger Pearson, Duke Drilling Rig No. 6, T.P. Rick S., Drillers Terry Sorter, Danny White, Mike Brewer, Service Mud/Mud Cp. engineer Brad Bortz, 8 5/8" set to 1550', Trilobite Testing, P&A 4/24/11.

#### **ROCK TYPES**

Anhy Bent 00000 **Brec** AAAA Cht

Clyst Coal Congl Dol

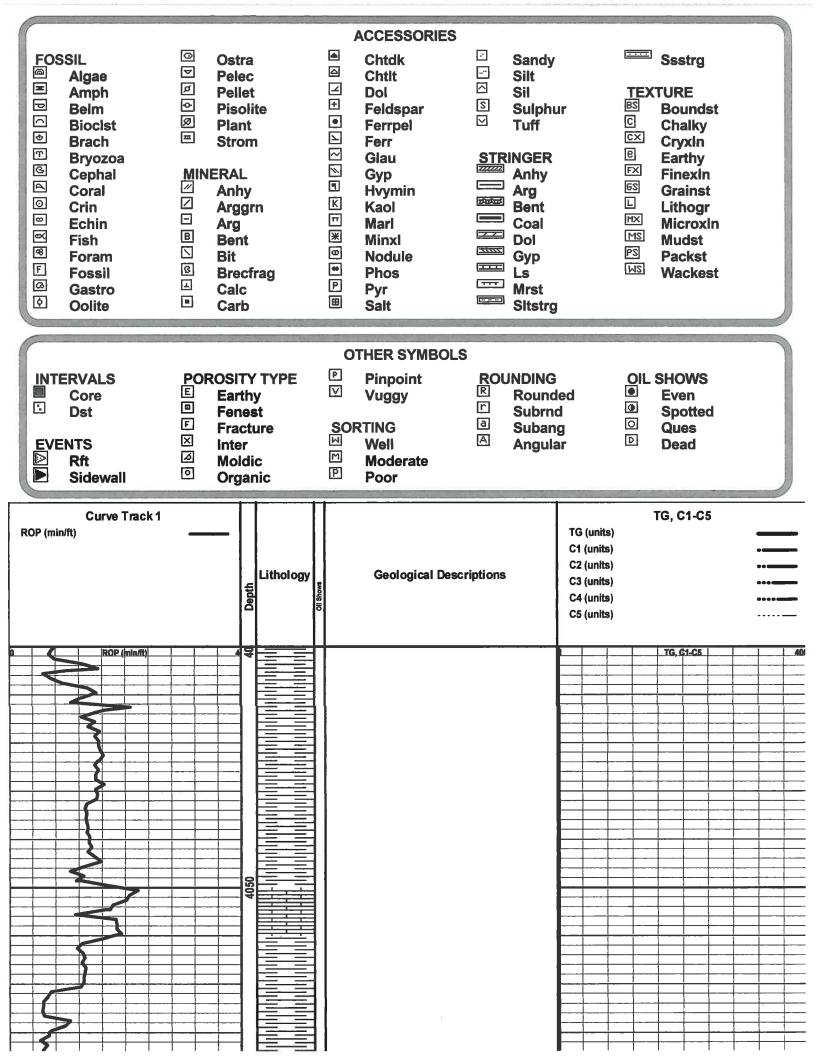
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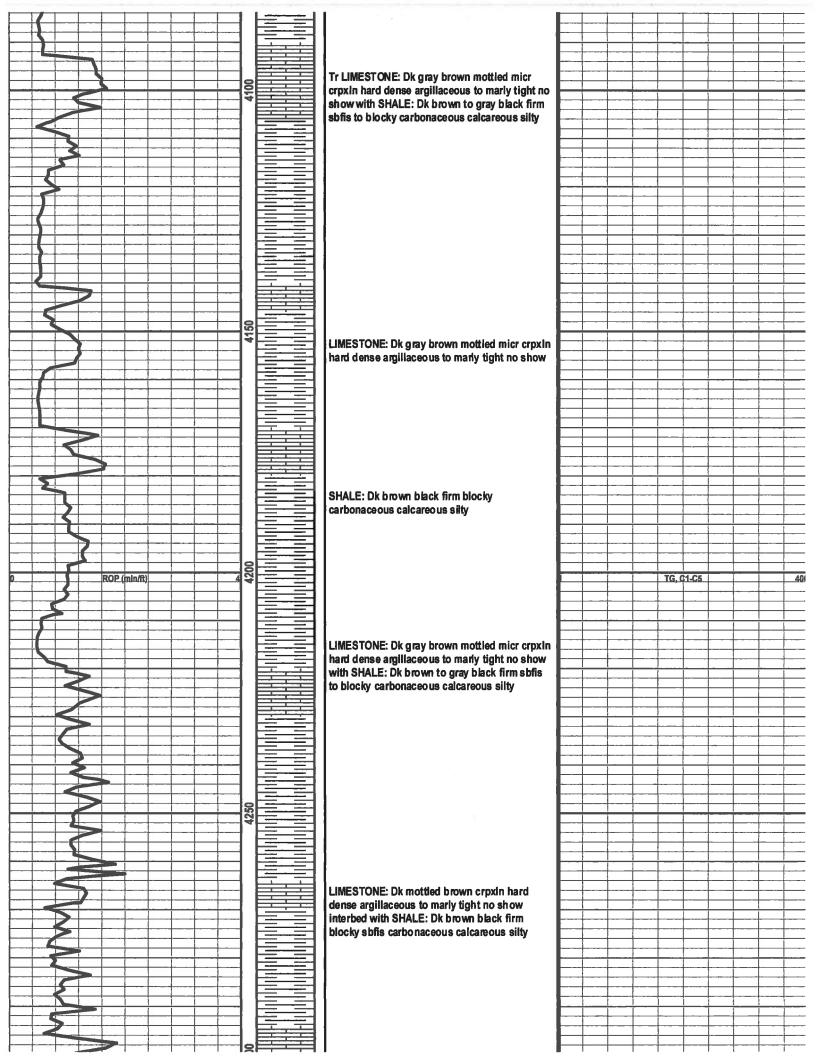
lane Lmst Meta

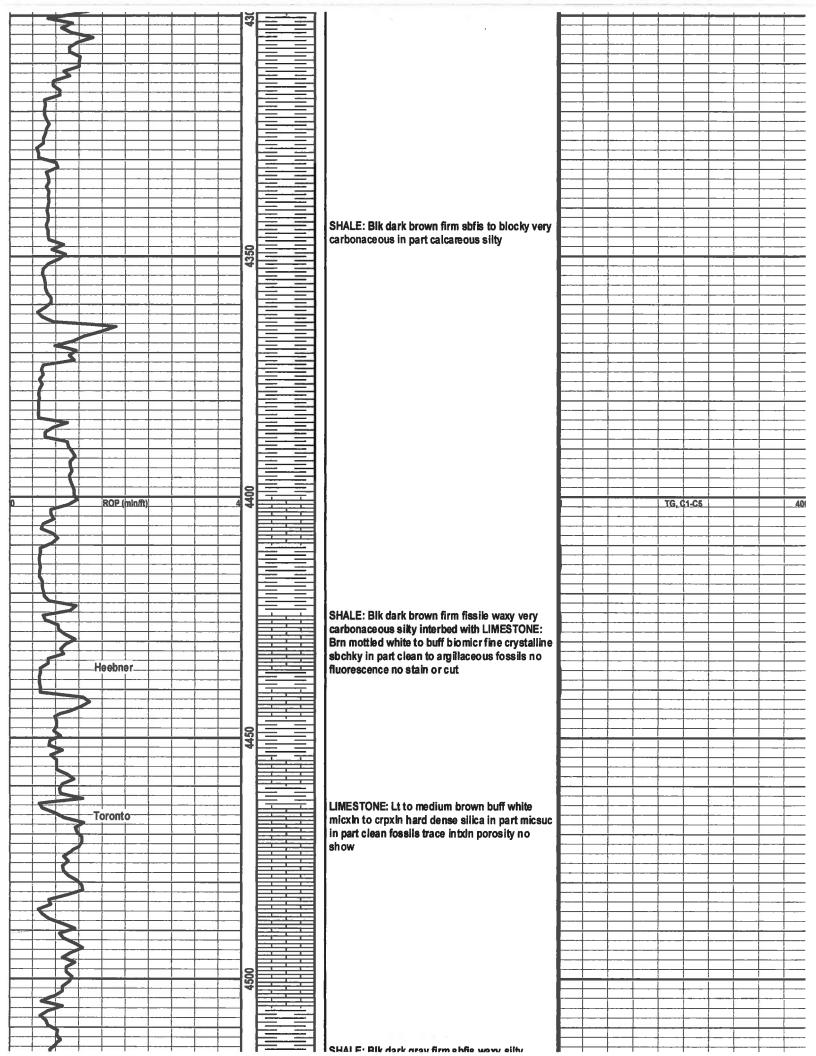
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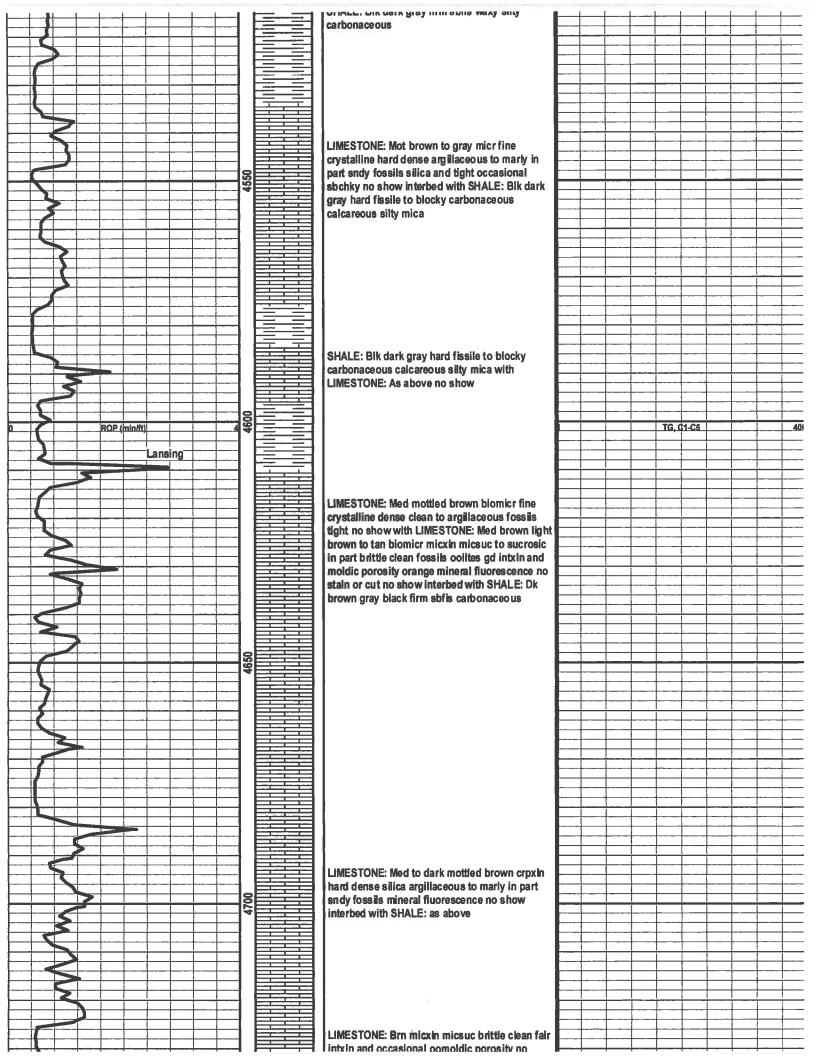
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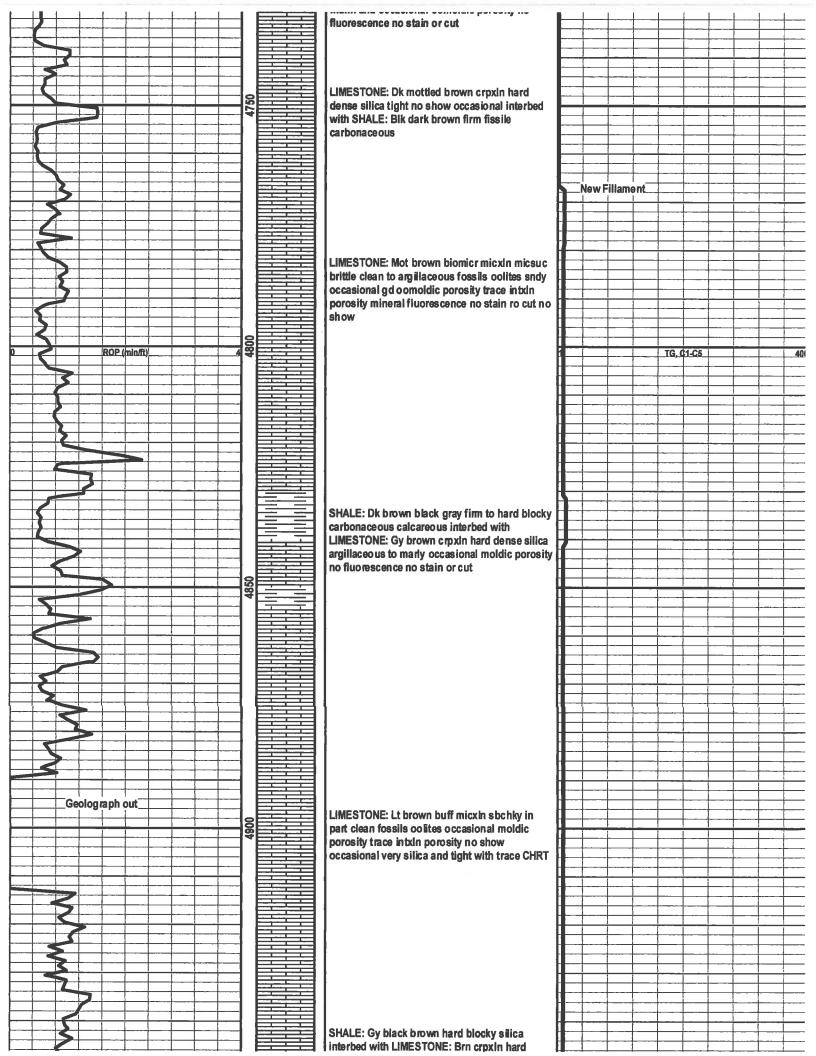
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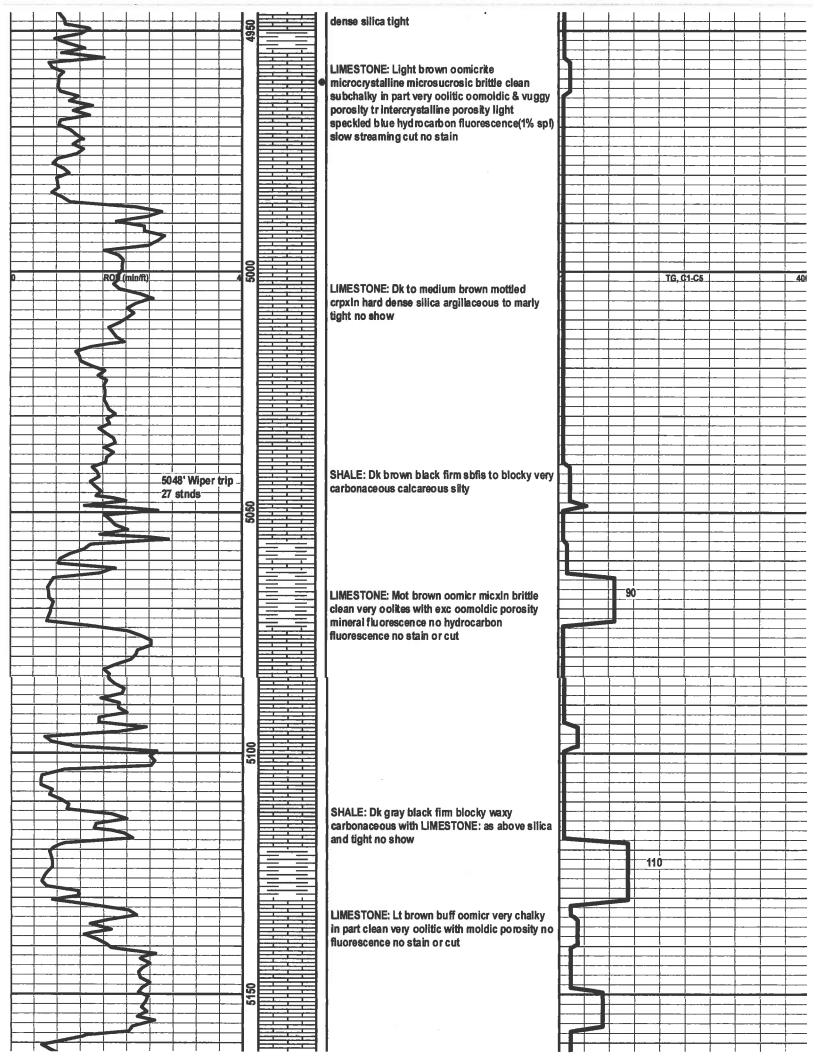


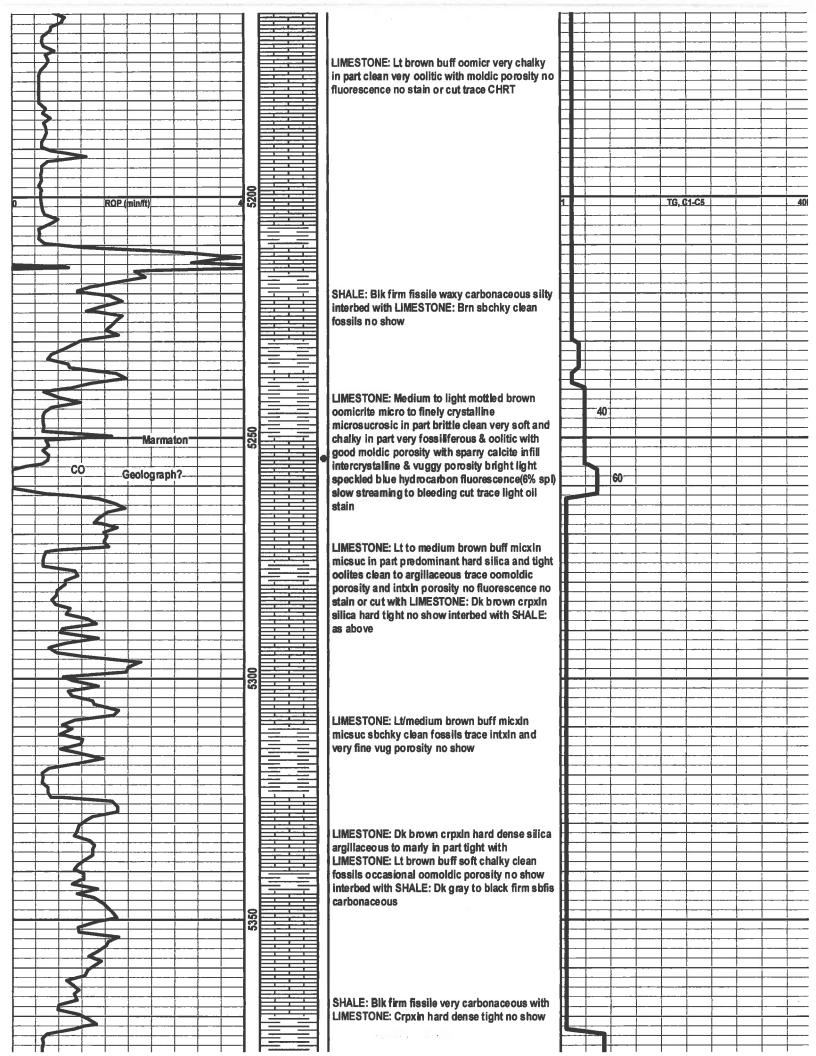


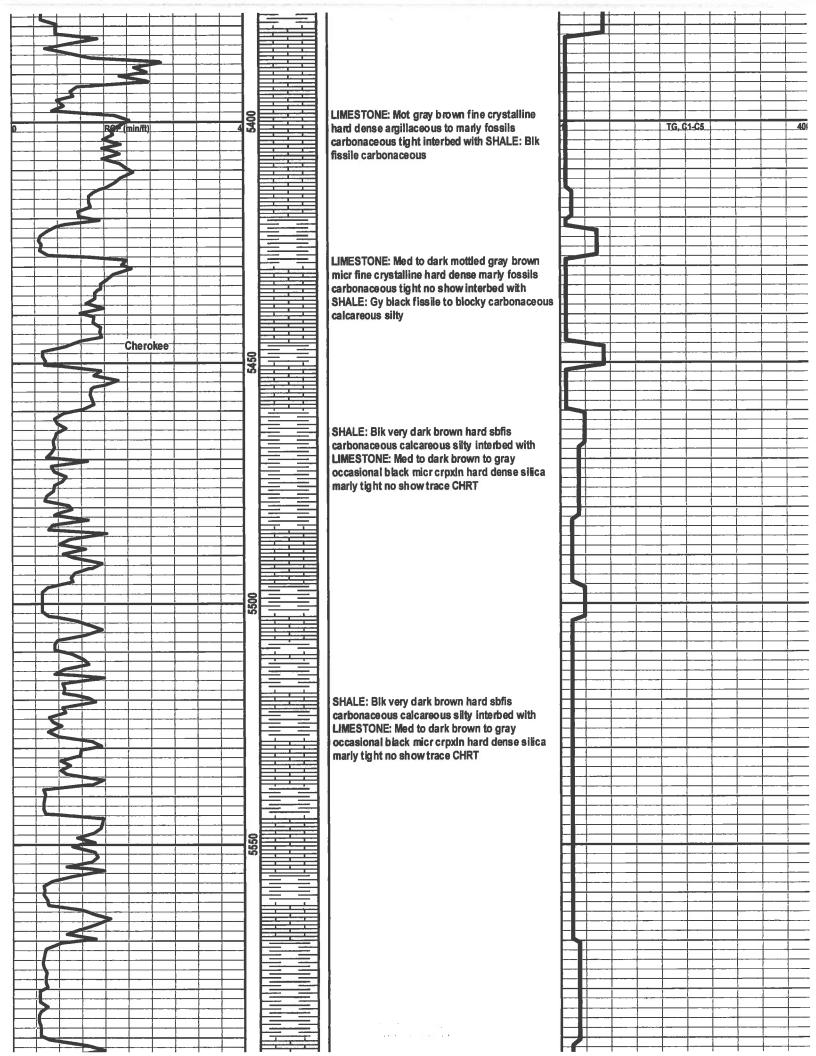


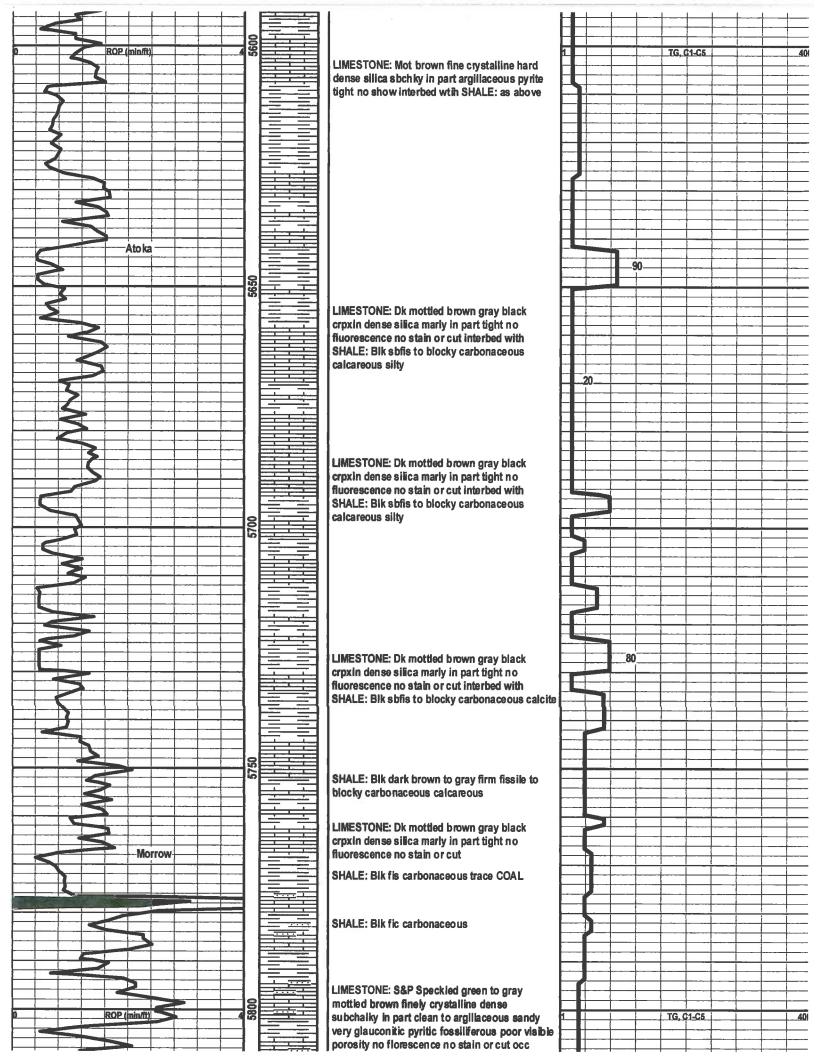


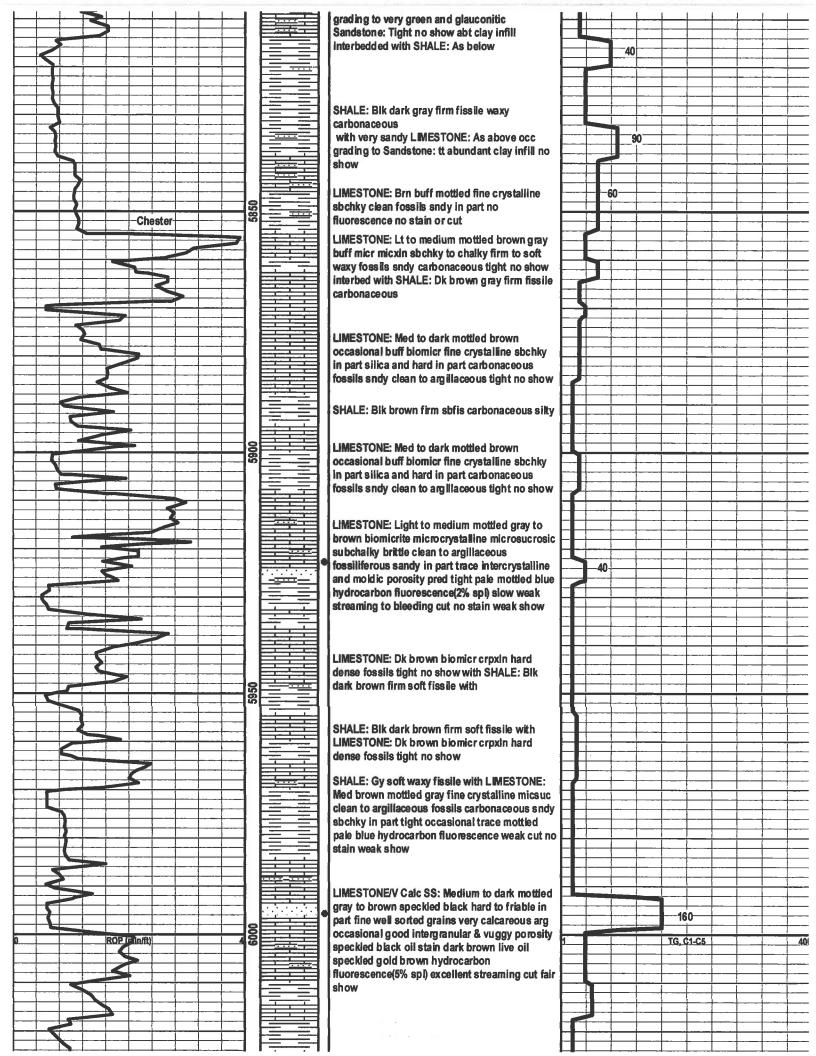


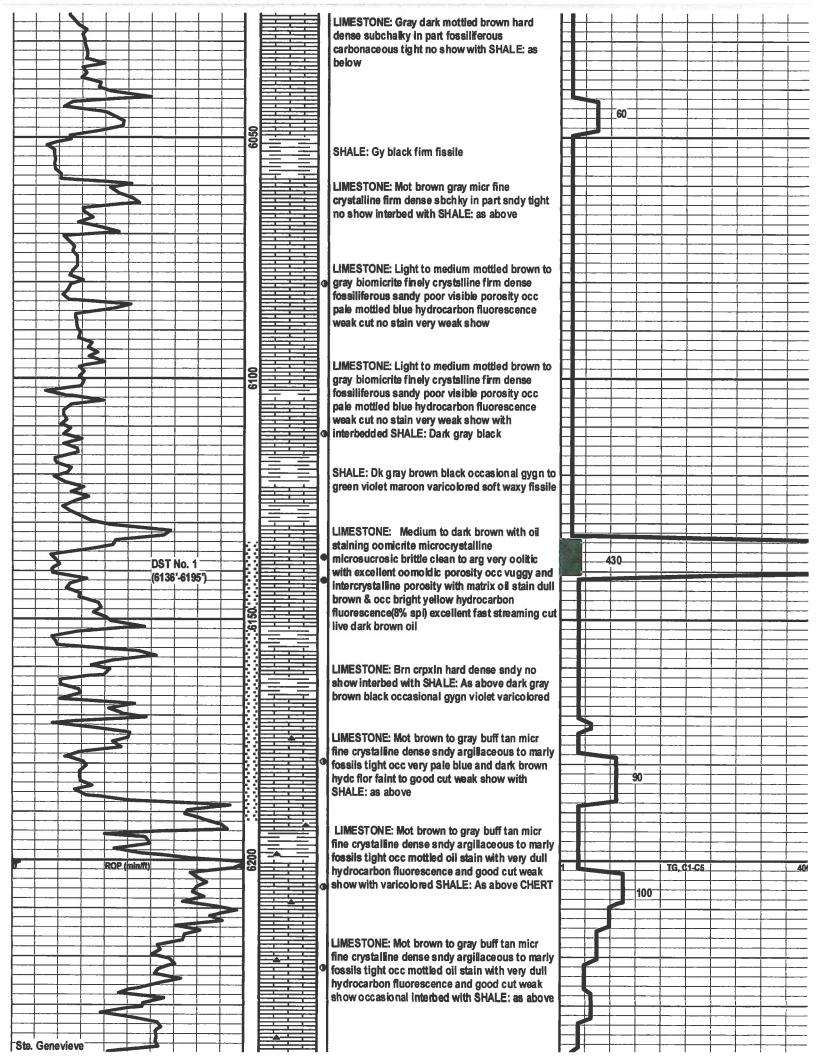


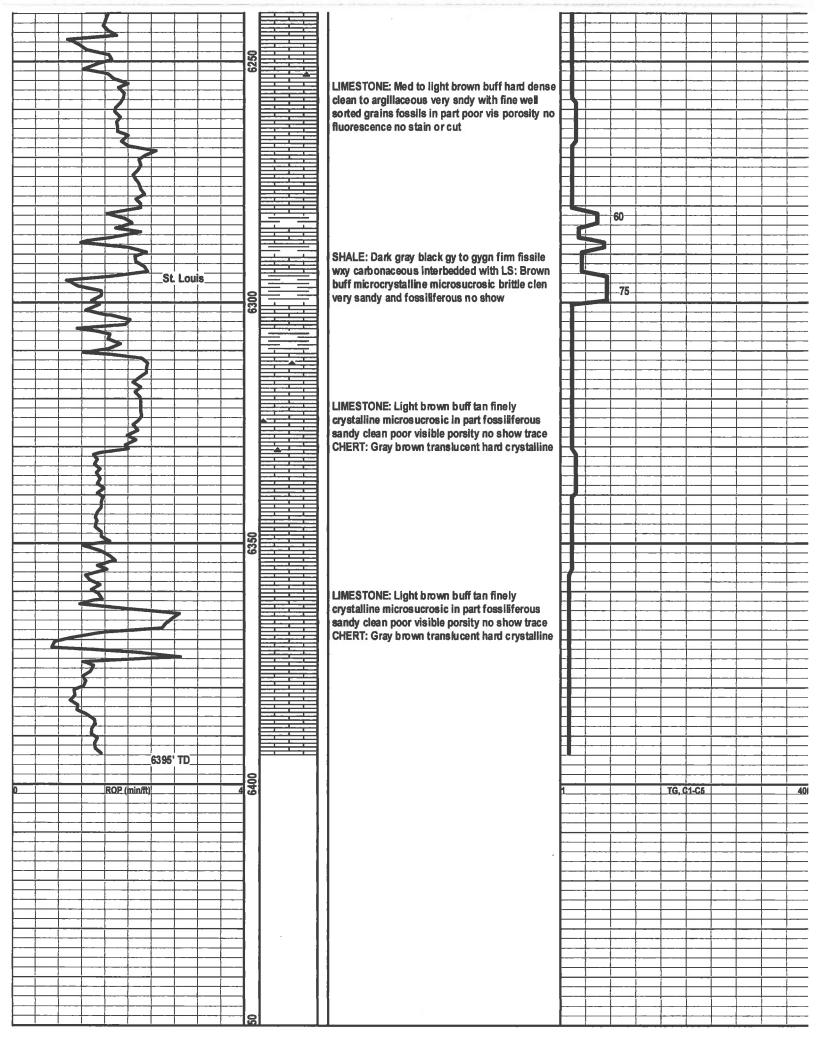














Prepared For: O'Brien Energy

18 Congress St STE 207 Portsmouth, NH 03601

ATTN: Roger Pearson

# 4-34s-29w Meade,KS

### Larrabee Ext 3-4

Start Date:

2011.04.23 @ 03:40:00

End Date:

2011.04.23 @ 15:28:45

Job Ticket #: 042433

DST#: 1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



O'Brien Energy

18 Congress St STE 207 Portsmouth, NH 03601

ATTN: Roger Pearson

Larrabee Ext 3-4

4-34s-29w Meade, KS

Job Ticket: 042433

**DST#: 1** 

Test Start: 2011.04.23 @ 03:40:00

#### GENERAL INFORMATION:

Formation:

Chester

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 07:57:30 Time Test Ended: 15:28:45

Interval:

Start Date:

Start Time:

6136.00 ft (KB) To 6195.00 ft (KB) (TVD)

Total Depth:

6396.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type:

Conventional Straddle

Tester:

Leal Cason

Unit No:

Reference Elevations:

2576.00 ft (KB)

2564.00 ft (CF)

KB to GR/CF:

12.00 ft

Serial #: 6798 Press@RunDepth: Outside

107.12 psig @ 2011.04.23

6137.00 ft (KB) End Date:

2011.04.23

Capacity: Last Calib .:

8000.00 psig 2011.04.23

03:40:01

End Time:

15:28:45

Time On Btm:

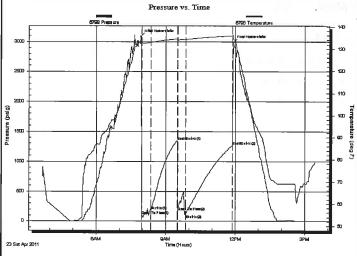
2011.04.23 @ 07:55:00

Time Off Btm:

2011.04.23 @ 11:55:30

TEST COMMENT: IF: Fair Blow, BOB in 12 minutes, Died back to 6 inches

ISI: Bled Off, No Blow back FF: Weak Blow, 3 inches FSI: Bled Off, No Blow back



1	PRESSURE SUMMARY				
0	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
0	0	3085.15	133.07	Initial Hydro-static	
D	3	101.42	132.83	Open To Flow (1)	
0	27	178.35	132.95	Shut-In(1)	
	95	1347.84	134.54	End Shut-In(1)	
e ag	96	166.77	134.18	Open To Flow (2)	
Temperature (deg F)	116	107.12	134.29	Shut-ln(2)	
(deg	238	1265.58	135.92	End Shut-In(2)	
J	241	2988.45	134.66	Final Hydro-static	
				_	
				·	
				•	

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	428 Feet GIP	0.00
130.00	GCM 10%G 90%M	0.64

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 042433

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O'Brien Energy

Larrabee Ext 3-4

18 Congress St STE 207 Portsmouth, NH 03601

4-34s-29w Meade, KS

Job Ticket: 042433

**DST#:1** 

ATTN: Roger Pearson

Test Start: 2011.04.23 @ 03:40:00

#### **GENERAL INFORMATION:**

Formation:

Chester

Deviated:

No

Time Tool Opened: 07:57:30 Time Test Ended: 15:28:45

Whipstock:

ft (KB)

Test Type: Conventional Straddle

Tester:

Leal Cason

Unit No:

45

Interval:

6136.00 ft (KB) To 6195.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 6396.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Reference Elevations:

2576.00 ft (KB) 2564.00 ft (CF)

KB to GR/CF:

12.00 ft

Serial #: 8649 Press@RunDepth:

Below (Straddle)

psig @

6199.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2011.04.23

End Date:

2011.04.23

Last Calib.:

Start Time:

03:24:33

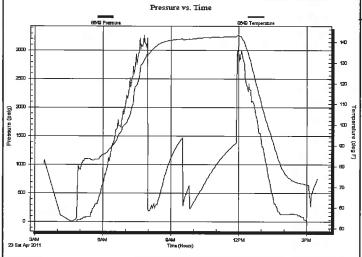
End Time:

15:28:21

Time On Btm: Time Off Btm: 2011.04.23

TEST COMMENT: IF: Fair Blow, BOB in 12 minutes, Died back to 6 inches

ISI: Bled Off, No Blow back FF: Weak Blow, 3 inches FSI: Bled Off, No Blow back



	PRESSURE SUMMARY					
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	1	
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Тепфег						
Temperalure (deg F)						
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#### Recovery

Description	Volume (bbl)
428 Feet GIP	0.00
GCM 10%G 90%M	0.64
	428 Feet GIP

Gas	Rates	

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

Trilobite Testing, Inc.

Ref. No: 042433

Printed: 2011.05.03 @ 14:26:23



**TOOL DIAGRAM** 

O'Brien Energy

18 Congress St STE 207 Portsmouth, NH 03601

ATTN: Roger Pearson

Larrabee Ext 3-4

4-34s-29w Meade, KS

Job Ticket: 042433

**DST#: 1** 

Test Start: 2011.04.23 @ 03:40:00

Tool Information

Drill Pipe: Length: 5738.00 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar:

Drill Pipe Above KB:

Length:

4.00 ft

0.00 ft Diameter: 372.00 ft Diameter:

3.80 inches Volume: 80.49 bbl 0.00 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

1.83 bbl 82.32 bbl Tool Weight:

2100.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 110000.0 lb Tool Chased

String Weight: Initial

98000.00 lb

99000.00 lb Final

Depth to Top Packer: Depth to Bottom Packer:

6136.00 ft 6195.00 ft

Interval between Packers: Tool Length:

59.00 ft 293.00 ft

Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Top Packer Is A Shale Packer Straddle packer failed

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			6111.00		
Sampler	3.00			6114.00		
Hydraulic tool	5.00			6119.00		
Jars	5.00			6124.00		
Safety Joint	2.00			6126.00		
Packer	5.00			6131.00	30.00	Bottom Of Top Packer
Packer	5.00			6136.00	-	· ·
Stubb	1.00			6137.00		
Recorder	0.00	8367	Inside	6137.00		
Recorder	0.00	6798	Outside	6137.00		
Perforations	7.00			6144.00		
Change Over Sub	1.00			6145.00		
Drill Pipe	31.00			6176.00		
Change Over Sub	1.00			6177.00		
Perforations	17.00			6194.00		
Blank Off Sub	1.00			6195.00	59.00	Tool Interval
Packer	3.00			6198.00		
Change Over Sub	1.00			6199.00		
Recorder	0.00	8649	Below	6199.00		
Drill Pipe	187.00			6386.00		
Change Over Sub	1.00			6387.00		
Perforations	9.00			6396.00		
Bullnose	3.00			6399.00	204.00	Bottom Packers & Anchor
Total Tool Length	293.00					



**FLUID SUMMARY** 

O'Brien Energy

Larrabee Ext 3-4

18 Congress St STE 207 Portsmouth, NH 03601

4-34s-29w Meade, KS

Job Ticket: 042433

**DST#: 1** 

ATTN: Roger Pearson

Test Start: 2011.04.23 @ 03:40:00

Oil API:

#### **Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: Viscosity:

9.00 lb/gal 53.00 sec/qt

Water Loss:

Filter Cake:

7.98 in<sup>3</sup>

Resistivity: Salinity:

ohm.m 8000.00 ppm 0.20 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Water Salinity: bbl

deg API ppm

psig

ft

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
0.00	428 Feet GIP	0.000
130.00	GCM 10%G 90%M	0.639

Total Length:

130.00 ft

Total Volume:

0.639 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: 2000mL GCM @ 500 PSI

Mud Was 20%G 80%M

