KOLAR Document ID: 1426279

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:	SecTwpS. R East West
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (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	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
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:	
☐ 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)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of haid disposal in hadica offsite.
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
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: 1426279

#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	Ea	ast West	County:				
	flowing and shu	ıt-in pressures, w	hether 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	. Digital electronic log
Drill Stem Tests Ta			Yes No		_	on (Top), Depth ar		Sample
Samples Sent to G	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					
		R			New Used	on, etc.		
Purpose of String		Hole	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	I		
Purpose:		epth Ty	pe of Cement	# Sacks Used		Type and F	Percent Additives	
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone								
<ol> <li>Did you perform a</li> <li>Does the volume o</li> <li>Was the hydraulic</li> </ol>	of the total base f	luid of the hydraulic	fracturing treatment	_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three (	,
Date of first Producti Injection:	ion/Injection or Re	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:			N INTERVAL: Bottom
	_	on Lease	Open Hole			mmingled mit ACO-4)	Тор	Bottom
,	, Submit ACO-18.)				· · · · · · · · · · · · · · · · · · ·			
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 /	At:	Packer At:				
. 5213 (1200) 10.	JIEG.			. 30.0.71				

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	PAWNEE CATTLE CO. 1-9
Doc ID	1426279

## All Electric Logs Run

Dual Induction
Compensated Nuetron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	PAWNEE CATTLE CO. 1-9
Doc ID	1426279

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	1028	60/40 Poz	425	2% gel/ 4% cc

# OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

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

No. 1112

Date 9-28-18 9 22 16 Part	County State On Location	8:00PM
Date Location	1 1 V M ICI	100th Ave
V app ( atthe C)	Owner 145, W/Into	Paragraphic Charles
Contractor Sterling #4	To Quality Oilwell Cementing, Inc.	
Type Job Surface	You are hereby requested to rent cementing equipment a cementer and helper to assist owner or contractor to do	work as listed.
Hole Size 12 1/4" T.D. 1032'	Charge Shelby Resources	1: 40 - 11
Csg. 85/8" Depth 10281	Street	The same of the sa
Tbg. Size Depth	City State	Marie Manager
Tool Depth	The above was done to satisfaction and supervision of owner a	agent or contractor.
Cement Left in Csg. 42 Shoe Joint 42	Cement Amount Ordered 450 60/40 40/60	(2% Gel
Meas Line Displace 63 BUS	1/2 # Flo-seal	
EQUIPMENT	Common 190	
Pumptrk /6 No. Cementer Helper	Poz. Mix 780	more excless
Bulktrk 19 No. Driver Jony	Gel. 9	
Bullerk J. U.No. Driver Roll	Calcium 2	5 - 45 TA
JOB SERVICES & REMARKS	Hulls	
Remarks: Coment did Circulate	Salt	a bearing and a second
Rat Hole	Flowseal 215#	constant and the
Mouse Hole	Kol-Seal	
Centralizers	Mud CLR 48	. * . * . * k k l 4
Baskets	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Sand	
	Handling 479	
	Mileage	
	FLOAT EQUIPMENT	
	Guide Shoe   Weld - M	- 2-1
and the second of the second of the second of the second	Centralizer Kubber Dlug	
	Baskets Southle plante	THE STREET
	AFU Inserts	
	Float Shoe	JACKO VIII II II II
	Latch Down	
n 1 n 4 n 1 n 1 n 1 n 1 n 1 n 1 n 1 n 1	The state of the s	
	Pumptrk Charge Joug Surface	Alleria de la companya de la company
	Mileage 26	
	Tax	
The Selection of the Charles to a congress series to take	Discount	
Signature Jany J. Jaly	Total Charge	



## TREATMENT REPORT

Customer	Shelby Resource									Date	10	emp 11	- /						
Lease	WARE	COLLIES	V	Vell #	-9					interesseries	10	5	0		1				
Field Order #	Stat	ion pra	It Kans	26		Casing	De	epth 390		County	D			15	State 1//				
Type Job	TA	2-	47	10-00			Format	tion as b			ro	Legal	Descripti		165				
PIPE	DATA	PE	RFORATING	DATA		FLUID (	ISED	00 5	)()		DE A			1-	225-160				
Casing Size	Tubing		ts/Ft	Acid				_		RATE		TMENT							
Depth	Depth	DQ Ero	m T-		Pre F	ad		RATE PRESS					5 ISIP 5 Min.						
Volume	Volume	65 From		3	Pad			Min			-		10 M	A.73					
Max Press	Max Pre				Frac	4		Avg					15 M						
Well Connection	Annulus							HHP U	sed			4,000		ılus Pres	cento				
Plug Depth	Packer [				Flush			Gas Vo	lum	ie			Total		Sure				
Customer Repr	esentative		10	Station	Manag	er				Treat	er		Total	Loud					
Service Units	76865	5 7768	6 86774	149	54.	21010							100		T				
Driver Names	Fennis			T505		5050													
Time	Casing Pressure	Tubing Pressur			Ra					l	Cont								
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2019	160		12.7		4		mit	5654	30	140		201	0 12 4 m 1050'						
2022	76		11.8		4	1	Pum	OHA	2	beh	ila	17	3.5/	26	1050				
2050	100		5	2	4.5		Pum	OH			co	pu /							
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	11101	10-701-1					1st Plue	33905'	14	10c-2	16.	96 To	e-365	99.04	,				
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10244	JE Hiw	av 61 e	HOE- 60' P.O. Box 8	813.0	C+56 Draft	Ke a-	104.00	570'- H	oc	-156	25	TUC-	4/3.7	75					



#### Scale 1:240 Imperial

Well Name: Pawnee Cattle Co. #1-9

Surface Location: 1285' FNL, 1830' FEL, Sec. 9-T22s-R16w

Bottom Location:

API: 15-145-21839-00-00

License Number:

Spud Date: 9/27/2018 Time: 7:30 PM

Region: Pawnee County

Drilling Completed: 10/2/2018 Time: 8:00 AM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 2016.00ft K.B. Elevation: 2027.00ft

Logged Interval: 3100.00ft To: 3975.00ft

Total Depth: 3975.00ft
Formation: Conglomerate

Drilling Fluid Type: Chemical/Fresh Water Gel

**OPERATOR** 

Company: Shelby Resources, LLC

Address: 13949 W Colfax Ave., Bldg 1, Ste 120

Lakewood, CO 80401

Contact Geologist: Janine Sturdavant

Contact Phone Nbr: 303-907-2209 / 720-274-4682

Well Name: Pawnee Cattle Co. #1-9

Location: 1285' FNL, 1830' FEL, Sec. 9-T22s-R16w

API: 15-145-21839-00-00

Pool: Field: Wildcat

State: Kansas Country: USA

#### **LOGGED BY**



Company: Shelby Resources, LLC

Address: 13949 W Colfax Ave., Bldg 1, Ste 120

Lakewood, CO 80401

Phone Nbr: 203-671-6034

Logged By: Geologist Name: Jeremy Schwartz

#### **NOTES**

The Shelby Resources, LLC Pawnee Cattle Co. #1-9 was drilled to a total depth of 3975', bottoming in the Arbuckle. A TookeDag gas detector was employed in the drilling of said well.

No DST's were conducted during the drilling of this well.

Due to lack of sample shows, gas kicks, and log analysis 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.

Respectfully Submitted, Jeremy Schwartz Geologist

#### **CONTRACTOR**

Contractor: Sterling Drilling Co

Rig #: 4

Rig Type: mud rotary Spud Date: 9/27/2018

TD Date: 10/2/2018 Rig Release:

Time: 7:30 PM Time: 8:00 AM

Time:

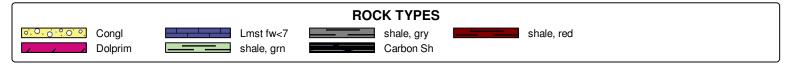
#### **ELEVATIONS**

Ground Elevation: K.B. Elevation: 2027.00ft 2016.00ft

K.B. to Ground: 11.00ft

DATE	<u>DEPTH</u>	<u>ACTIVITY</u>
Monday, October 01, 2018	3560'	Geologist Jeremy Schwartz on location @ 0115hrs, ~3560', drlg ahead through Lansing,
	3800'	CFS @ 3611', resume drlg ahead through Lansing, BKC, CFS @ 3800', CTCH 1hr,
	g	drop survey, strap out for Bit Trip, successful bit trip, CTCH 1hr, resume drlg ahead
	3863'	through BKC, Conglomerate, CFS @ 3863', resume drlg,
Tuesday, October 02, 2018	39201	CFS @ 3912', resume drlg, CFS @ 3920', resume drlg ahead to TD of 3975'
	3975'	TD of 3975' reached @ 0800hrs, CTCH 1hr, trip out of hole to conduct logging operations
		logging operations complete @ 1350hrs
		Geologist Jeremy Schwartz off location @ 1500hrs

											_											
					D&A				•						D&A							
					Vaughn Drilling Inc.				SHELBY RESOURCES, LLC						CARL TODD DRILLING							
24					Reed #1 (Sample Tops)				BUSTER #1-3						REED #1							
		Pawnee Cat	tle Co. #1-9	)	N\	NW-NE-NE Sec. 9-T225-R16W				ı	NE-NE-NW-S	W 3-2	225-16	W		C-NW-NW-NE 9-225-16				N		
	КВ		2027		КВ		20	118			КВ		15	999			КВ		2	003		5
	LOG	TOPS	SAMPI	E TOPS	COME	. CARD	LO	og .	SM	IPL.	COMI	P. CARD	LO	og -	SM	IPL.	COMP	. CARD	LO	OG	SM	IPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CO	RR.
ANHYDRITE TOP	1014	1013	1013	1014	1004	1014	1	1	+	0	995	1004	+	9	+	10	987	1016	4	3	123	2
BASE	1036	991	1038	989	1028	990	+	1	¥	1	1016	983	+	8	+	6	1010	993	4	2		4
TOPEKA	3162	-1135	3164	-1137				1			3137	-1138	+	3	+	1	WAR WELL TO					
HEEBNER SHALE	3431	-1404	3431	-1404	3423	-1405	*	1	+	1	3403	-1404	+	0	+	0	3418	-1415	+	11	+	11
TORONTO	3452	-1425	3452	-1425							3424	-1425	+	0	+	0		j j				
DOUGLAS SHALE	3467	-1440	3468	-1441							3437	-1438	-	2	ા	3						
BROWN LIME	3541	-1514	3542	-1515	3532	-1514	+	0	) i	1	3510	-1511	-	3	9	4	3531	-1528	+	14	+	13
LKC	3550	-1523	3552	-1525	3542	-1524	+	1	100	1	3518	-1519		4	1)8	6	3536	-1533	+	10	+	8
LKC G POROSITY	3640	-1613	3642	-1615				j			3607	-1608	-	5	-	7	3628	-1625	+	12	+	10
STARK SHALE	3740	-1713	3742	-1715							3711	-1712	-	1	-	3	3728	-1725	+	12	+	10
BKC	3797	-1770	3794	-1767							3763	-1764	27	6	1	3	3781	-1778	+	8	+	11
CONG. SAND	NP		NP								3829	-1830										
ARBUCKLE	3906	-1879	3905	-1878	3894	-1876	170	3	7	2	3879	-1880	+	1	+	2	3919	-1916	+	37	+	38
RTD			3975	-1948	3902	-1884			Ä	64	3970	-1971			+	23	3928	-1925			121	23
LTD	3975	-1948									3966	3966					3921	-1918	-	30		



#### **ACCESSORIES**

**MINERAL** ▲ Chert, dark **FOSSIL** 

○ Bioclastic or Fragmental

Oomoldic

**STRINGER** 

Limestone

··· Sandstone

· · · Siltstone green shale

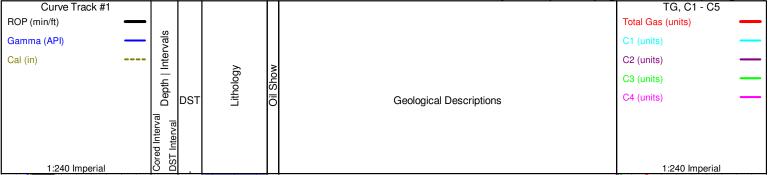
**TEXTURE** 

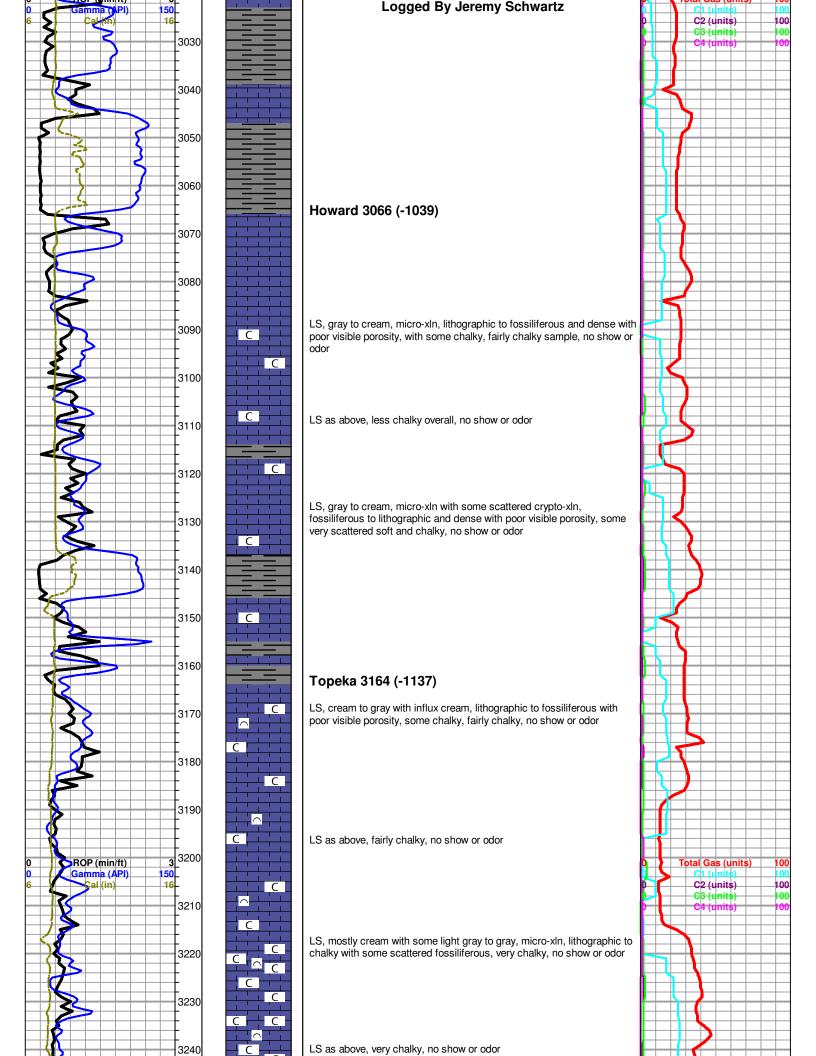
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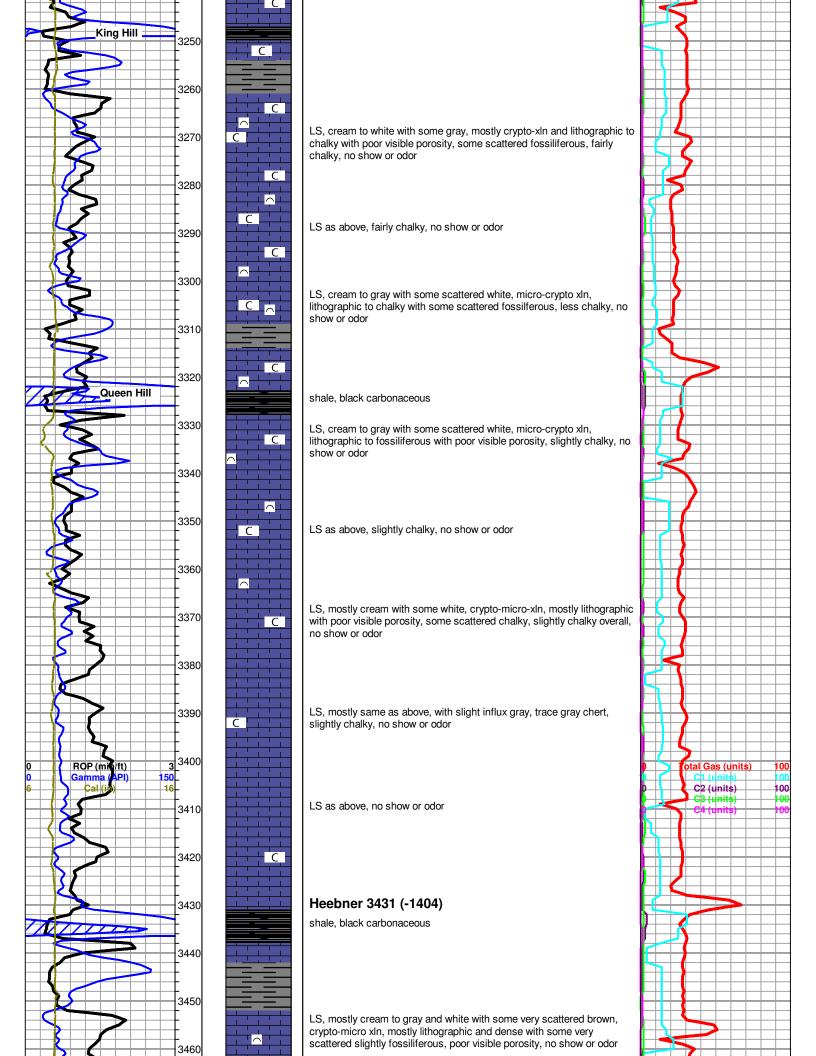
#### **OTHER SYMBOLS**

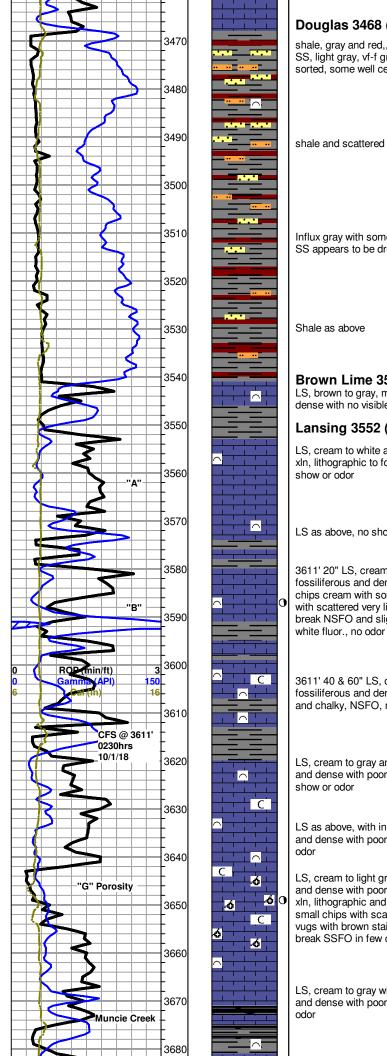
**DST** DST Int DST alt

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









#### Douglas 3468 (-1441)

shale, gray and red,, some silty to sandy, some micaceous, with some SS, light gray, vf-f grained, sub-rounded to sub-angular and fairly well sorted, some well cemented, no shows or odor

shale and scattered SS as above, no show or odor

Influx gray with some red shale, soft and waxy, silty/sandy shales and SS appears to be dropping out, no show or odor

#### Brown Lime 3542 (-1515)

LS, brown to gray, micro-crypto xln, fossiliferous to lithographic and dense with no visible porosity, no show or odor

#### Lansing 3552 (-1525)

LS, cream to white and gray with some scattered brown, micro-crypto xln, lithographic to fossiliferous and dense with poor visible porosity, no

LS as above, no show or odor

3611' 20" LS, cream to gray with some brown, micro-xln, mostly fossiliferous and dense with poor visible porosity, few very scattered chips cream with some scattered fair pinpoint to slightly vuggy porosity with scattered very light golden brown stain around porosity only, upon break NSFO and slight to fair show gas bubbles, slow cut with bright

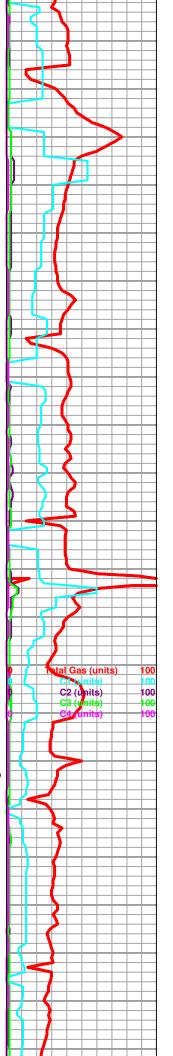
3611' 40 & 60" LS, cream tro gray and brown, micro-xln, mostly fossiliferous and dense with poor visible porosity, some scattered soft and chalky, NSFO, no odor

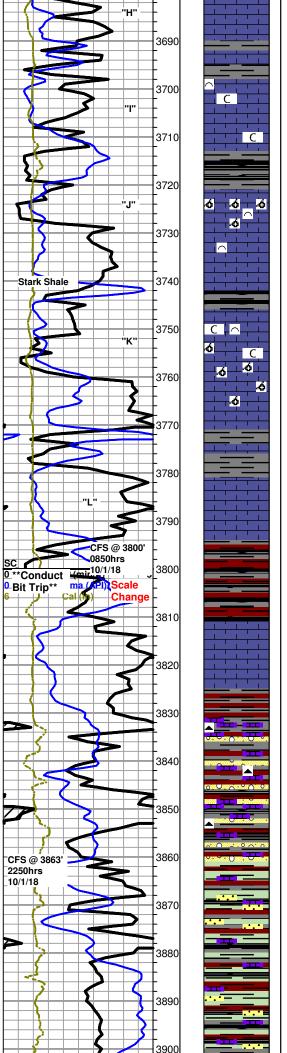
LS, cream to gray and brown with some white, micro-xln, fossiliferous and dense with poor visible porosity, some scattered soft and chalky, no

LS as above, with inlfux cream to white, micro-crypto xln, lithographic and dense with poor visible porosity, some slightly chalky, no show or

LS, cream to light gray with some scattered white, micro-xln, oomoldic and dense with poor oomold porosity, barren, with some cream cryptoxln, lithographic and dense with poor visible porosity, few very scattered small chips with scattered fair pinpoint porosity and/or one to two small vugs with brown stain around porosity only, some chalky in part, upon break SSFO in few chips, NSFO in tray, no odor

LS, cream to gray with some light brown, micro-xln, mostly lithographic and dense with poor visible porosity, some fossiliferous, no show or





LS as above, no show or odor

LS, cream to gray with slight influx white, micro-xln, mostly lithographic with poor visible porosity, some fossiliferous, with some scattered oomoldic with mostly poor oomold porosity, some chips have areas of fair porosity, with some gray to dark gray/dark maroon and black shale, slightly chalky, no show, fluor., or odor

LS as above, with influx cream to light gray crypto-xln, lithographic with poor visible porosity, no show or odor

LS, mostly cream to light gray, micro-crypto xln, mostly lithographic with some scattered fossiliferous, poor visible porosity, with some scattered cream oomoldic, some with fair oomold porosity, barren, slightly chalky, no show, fluor., or odor

Mostly same as above, with slight influx cream comoldic with fair to good comold porosity, barren, no show, fluor., or odor

3800' 30" LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, no show or odor

#### BKC 3794 (-1767)

 $3800^{\circ}\,60^{\circ}\,LS$  as above, with inlfux gray and red shale with some dark gray to dark maroon and black

shale as above

LS, mostly cream to gray with some scattered white, mostly lithographic with some scattered oolitic and fossiliferous, poor visible porosity, with some scattered cream to light gray crypto-xln, lithographic with poor visible porosity, slightly chalky, no show or odor

LS as above, with inlfux gray to dark gray and red shale as well as some scattered gray and brown with trace white chert, trace pyrite, no show or odor

Mostly cream dense LS, lithographic with poor visible porosity, trace oolitic to oomoldic, barren, with scattered shales and cherts as above, no shows or odor

3863' 30" Mixed cream to gray lithographic to fossiliferous LS, trace chalky, mostly dense with poor visible porosity, with gray to dark gray and black with some scattered red shales and very scattered gray and orange chert, some gray and red clays, slightly chalky, light red wash in tray, no shows or odor

3863' 60" Conglomerate, clays and red wash dropped out, mostly LS with varicolored shales as above and scattered chert, no visible SS clusters or grains, no show or odor

~3870' Cream to gray with some scattered brown LS, lithographic to fossiliferous with poor visible porosity, with vari-colored gray to dark gray, red, and green shales, trace gray to dark gray and orange chert, with some very scattered SS, gray, vf-f grained, sub-rounded and well sorted, very friable, barren, slightly chalky, no show or odor

~3880' Mostly same as above, no show or odor

~3890' Mixed LS and vari-colored shales as above, with fair influx red shale, some soft and waxy, some blocky and dense, with scattered brown to gray chert, few very scattered SS clusters, light gray, fine-grained, sub-rounded and

