KOLAR Document ID: 1661539

Confident	tiality Re	equested:
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 East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR □ OG □ GSW	Total Vertical Depth: Plug Back Total Depth:
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:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Deilling Fleid Management Disp
Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chlorida contenti nom Eluiduclumo, hblo
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 #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Permit #:
Hoompleter Bate	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II III Approved by: Date:						

KOLAR Document ID: 1661539

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 Sh	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample	
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		ies No ies No ies No							
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	e of Cement	# Sacks Used	Used		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes Yes Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	ls. Gas Mcf			Water Bbls. Gas-Oil Ratio Gravity			
DISPOSITION	I OF GAS:		METHOD OF			TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		тор	Bottom	
	oration Perfora Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	BREANNA #5
Doc ID	1661539

Tops

Name	Тор	Datum		
Heebner	3886	-1918		
Brown Lime	4054	-2086		
Lansing	4071	-2103		
Stark	4374	-2406		
B/KC	4459	-2491		
Pawnee	4532	-2564		
Cherokee Shale	4558	-2590		
Viola	4627	-2659		
Simpson Shale	4771	-2803		

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	BREANNA #5
Doc ID	1661539

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	262	Common	220	3% Gel 2% CC
Production	7.875	5.5	15.5	4812	Pro C		10% Salt 2% Gel 6# Koseal

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 620-786-6992 Fax 620-672-3663

Todd's Cell 620-388-4967 Brady's Cell 620-727-6964

8059

	Sec.	Twp.	Range		County	State	On Location	Finish			
Date 7-30-22	5	30	15	Bac	her	Ks		6:45			
Lease Breanna	N	/ell No.	5	Locati							
Contractor Muchin	104				Owner						
Type Job Surface			<u> </u>		To Quality We You are here	ell Service, Inc. by requested to rent	cementing equipmen	t and furnish			
Hole Size 12.14		T.D.	262		- You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Csg. 85/2 2	33 [#]	Depth	261.73		Charge To	riff.					
Tbg. Size		Depth			Street						
		Depth			City		State				
Cement Left in Csg.		Shoe Jo					nd supervision of owner				
Meas Line		Displac	<u>e 15,3</u>			-	Sr Common 3	6 CC 28 61			
	EQUIPA	IENT	Mike	<u> </u>	1/2 P.S.	Used 220					
Pumptrk 8 No.			Bruan		Common 2	an					
Bulktrk 1.5 No.		_	1		Poz. Mix	· #		-			
Bulktrk No.			Devio		Gel. 414						
Pickup No.					Calcium 6	20 *					
JOB S	SERVICES	& REMA	RKS		Hulls						
Rat Hole					Salt						
Mouse Hole		-			Flowseal 110						
Centralizers					Kol-Seal						
Baskets					Mud CLR 48						
D/V or Port Collar			<u>.</u>		CFL-117 or CD110 CAF 38						
Run lojk &	<u>35/8. cs</u>		2 261.	<u>73</u>	Sand						
Break cir wi	th Rid	1 6	<u> </u>	<u>H²6.</u>	Handling 232						
mix 220 cx 1	Com men	22	<u>61 37(C</u>		Mileage 25						
1/2 P.S. Start	Displac	<u>e p</u> i	um. 15.3	<u>hhls</u>							
H2/0 shut in to pit.	<u>150 p</u>	<u>i ce</u>	ment ric	-	Guide Shoe						
h pit.	- 1				Centralizer						
<u> </u>					Baskets						
<u></u>					AFU Inserts						
					Float Shoe			·			
					Latch Down						
					LMV	15					
					Service	Sime UISEr.					
					Pumptrk Cha	arge Surface					
					Mileage 3	0					
			<u>_</u>		1		Tax				
							Discount	``````````````````````````````````````			
X Signature							Total Charge				
								Taylor Printing, Inc.			

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

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Office 620-786-6992 Fax 620-672-3663

1

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Todd's Cell 620-388-4967 Brady's Cell 620-727-6964

8056

Sec.	Twp. Range	County	State	On Location	Finish		
Date 8-4-22 5	305 ISW	BARKER	Ks				
Lease BREANNA W	/ell No. 5	Location CROFT.	KI Stoy E	they Cattle G	sard 3 to		
Contractor MURFIN DRI	<u>6 R'6 # 104</u>		E Nithes Cott	HE GUARD .4			
Type Job S12 LS	· · · · ·	To Quality We You are here	ell Service, Inc. by requested to rent (cementing equipment	t and furnish		
Hole Size 77/8	т.р. 4320	cementer an	d helper to assist owr	ner or contractor to do	o work as listed.		
<u>csg. 512 1</u>	Depth 4207	Charge To	GR. frin				
Tbg. Size	Depth	Street		·			
Tool	Depth	City	·	State			
Cement Left in Csg.	Shoe Joint 21.22		s done to satisfaction an	nd supervision of owner	agent or contractor.		
Meas Line	Displace 113.9	Cement Amo	ount Ordered 1755	- AROC 21.6-1.	<u>10%. SA 14</u>		
EQUIPM		5 Kz Kolse	AL .6% CI6A .2	s1. CAIP 251	s Ps		
Pumptrk & No.		Common /	7 <u>5 s</u>		2 mi 		
Bulktrk 10 No.		Poz. Mix			، دی م ^ر ۲۰۰۰ ۲۰۰۰ - ۲۰۰۰ ۲۰۰۰ - ۲۰۰۰		
Bulktrk No.		Gel. 329	· · ·	· ···	e		
Pickup No.		Calcium -	·				
JOB SERVICES	& REMARKS	Hulls		·			
Rat Hole 30 Sec.		Salt 96	64#		<u></u>		
Mouse Hole	······································		44*		· · · · · · · · · · · · · · · · · · ·		
Centralizers 1-2-3-4-5	-6-7	Kol-Seal	875#		· · ·		
Baskets		Mud CLR 48	500 GAL		· · · · · · · · · · · · · · · · · · ·		
D/V or Port Collar		GEL-1-1-7-01-	CD410-CAF-38 C/				
Kin Hisk 15.5'	CSG SFT) 43	06 Sand C(-	Sand CC-1 9 Gol CAIP 414				
STATE CSG CSGON B	ottom ! TAG	Handling	217				
Hosk , nto CSG + BREAK	ciec while	Mileage 2	5/5425		·		
DESP Ball ! Cecholik	2.6	51	<u> </u>	ENT			
START PUMINING 15R511 HRS 1	12,B5/1, MF 12,96/11	Co Guide:Shoe	H!M IEA				
	.) <u>-x</u>	, Centralizer	<u>7 EA</u>				
STALT Mix + Pomp 145	SIPROIVISG & 10	4.3"/GIBaskets					
SHUT MUN worth in tek	RELEASE S'A LC	PJA AFU Inserts			·		
STATE DISA W/2. Y. KCL		Float Shoe	I EA		<u> </u>		
LIFT PSI 550" 9	3 Bhli o.st	Latch Down	I EA				
Plug DOWN 114 OU	<u>+ 1100+</u>	SERVICE	Snu IEA				
PSI UD ON CSG 1700	2 K	LMV Z	25'				
RELEASE! HELD 1/2	Bb/Back	Pumptrk Cha	arge LS				
Goon cire they JO	13	Mileage	<u>50</u>				
THANK YOU				Tax			
	AGAIN TOI	m Bryper .		Discount			
Signature 1/1/1/	N4	ATE JUSTIN		Total Charge	Taylor Printing, Inc.		



Scale 1:240 (5"=100') Imperial **Measured Depth Log**

Well Name: Breanna #5 API: 15-007-24429 Location: T30S R15W Sec 5 - W2 SE NE NW License Number: 33936 Surface Coordinates: 990' FNL & 2000' FWL

Spud Date: 7/30/2021

Region: Barber County Drilling Completed: 8/3/2021

Bottom Hole Vertical Wellbore Coordinates: Ground Elevation (ft): 1963' Logged Interval (ft): 3800'

K.B. Elevation (ft): 1968'

Total Depth (ft): 4840' To: 4840' Formation: Ordovician (Simpson Shale) @ RTD Type of Drilling Fluid: Mud-Co. Chemical Drispac

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

OPERATOR

Company: Griffin Management, LLC Address: 126 S. Main Pratt, KS 67124-0347

GEOLOGIST

Name: Eli J. Felts

Company: Griffin Management, LLC Address: efelts@griffinmgmt.com 316.765.4070

Drilling Report

7/30/2022 Spud @ 12:30 PM - set surface pipe

7/31/2022 Drilling @ 768'

8/01/2022 Drilling @ 2834'

8/02/2022 Drilling @ 3775'

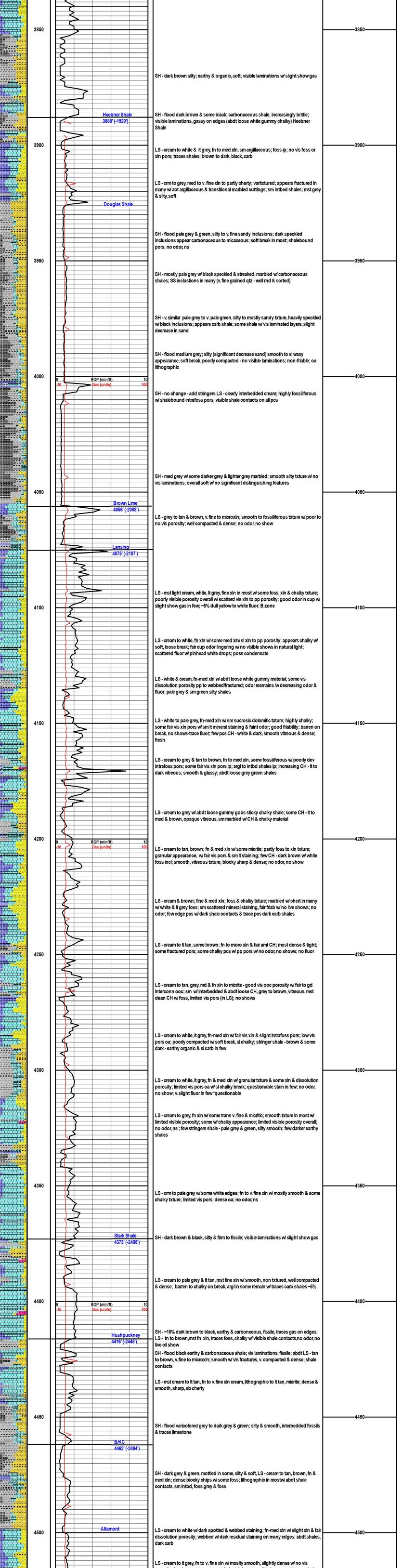
8/03/2022 Drilling @ 4615' RTD @ 4820' - 3:15 PM Short Trip 68 Stands in 4.25 Hours

8/04/2022 MW Wireline OH Log : 12:30 AM to 3:15 AM TIH w/ bit СТСН LDDP Run Casing - Plug Down @ 3:45 PM Released Rig 7:45 PM

Problems

Losing Fluid from 3346'-3700' ~600 bbls Short Trip @ 4820' 4.25 Hours No bit trips/No major delays

Pipe Setting 8.625" 23# Set @ 262' w/ 220 sxs. 5.5" 15.5# Set @ 4812' w/ 145 sxs. **Rate of Penetration** ROP (min/ft) Gas (units) % **Geological Descriptions** DSTs/Mud/Surveys, etc. Lithology Ð ROP (min/ft) 10 as (units 10 ┱╋┱┺┱┡┓



			$\left\{ \right\}$						porosity development; rare traces dark staining; overall lacks pors; stringers shales, grey & pale green, some mottled	
			3							
						Pawnee		11	LS - cream to it tan fn to v. fine xin, micritic, oa dense & blocky w/ sm fractd & edge pinpoint pors; some appear chalky white w/ dark webbed staining; residual dead oil;	
		P	\geq			4535' (-2		Η	no odor, no live show; stringers SH - dark grey w/ sm mottled green, few bits deep	
			}						brown, earthy & organic	
┙┍╡┙┍┍ <mark>┍</mark> ┊╴╴╴			(
	4550		£							
		K	\geq						SH - flood dark brown & black shale; visible laminations; earthy & organic -	
									carbonaceous; some LS - cream to tan, sm w/ pale green stained edges; v. fine to micrite; brick tight; no odor, ns	
			>							
 -/:::			Σ			rokee Sha	ale	L		
			\square		4568	3' (-2600')			SH - abdt dark carbonaceous w/ transition to pale green, silty & med firm to sl waxy;	
- 44 4444			}						few pcs CH - trippolitic black & white w/ dark residual staining prevalent; no odor, ns;	
		R	_						dense	
<u>-</u>		R	>							
444 744								s	Conglomerate; flood varicolored shales & Cherts; green maroon mottled shales; interbedded Cherts; vitreous in most; opaque w/ sharp concoidal breaks; some	
									transition trippolitic; dark brown to black tripp staining w/ dead flakes on break;	
			5					S	some pos highly weathered appear sandy	
	4600				OP (min/ft Gas (units))	10 100		Conglomerate - varicolored shales; mostly maroon & green, mottled to speckled w/	4600
							100	s	black; abdt CH - varicolored, vitreous; dense well compacted pcs; fractured; no vis pors in chert; dense overall; few clusters SS - white w/ yellow & pale green stain &	
			/						incls; frosted qtz, well md & srtd; fair friab; shalebound barren; no odor, ns	
		R	2					11		
								11	SH - flood maroon/purple & brick red silty shale; most med soft, fair compaction;	
			-						conglomerate w/ traces Chert & rare pcs sandstone; some dark residual stain w/ no odor, no live show	
995-59999 2222222 ⁻ 2			-2						LS - cream w/ pink & green hue in most; fine xln w/ sl chalky txture in most; some sl cherty w/ smooth, well compacted & dense txture; most LS w/ pinkish red or green	
┥┥┥╷╷╷╴ ┥┥╴			-(1	mineral stain & chalky break; no odor, no show	
			Ł					11		
			7					11		
		୍କ୍	2						LS & Cherty Lime; pink to green, some semi-translucent w/ pale yellow hue;	
	4650								vari-txture %comp w/ marbled CH to chalky Lime; vitreous CH solidifies much of Lime w/ some pure CH cuttings as well; mostly fresh w/ limited vis pors; some	4650
			3	>					2ndary fracture & re-xin; mst dense; barren, no odor, no show	
			え							
			4	>					CH - wht & brown, some vitreous w/ most pcs partly weathered w/ vis foss, fractured	
				\geq					& partially trippolitic porosity; poorly friable in most w/ breaks on fractures; partially	
191919								S	saturated stain w/ slight odor in cup; traces bright yellow fluor (pinheads)	
╱╆┵╾┵╼ <mark>┈</mark> ╱Ҫ┎┎┎┎╼ <mark>┈</mark> ╲				5					Delevite and for the sum is utfound in the One still the built on the state	
									Dolomite - cream, fine xln sucrosic w/ fair vis xln & partial dissolution porosity; scattered staining; good friability w/ soft to sl chalky break; increasing oil show w/ trc	
			\mathbf{Y}						gas bubbles; sharp odor in cup w/ %50 yellow fluor; fair to good show'sl chalky	
ŹŹĊĊĊĊ			$\left\{ \right.$						Dolomite - mostly as above cream fine xIn sucrosic w/ partial dissolution porosity; sl	
ZZZZZZZZ			}					•	increase surface shows w/ fair-good friability; some pcs w/ cherty matrix (10%) & some It grey sucrosic dolomite; odor lingers along w/ ~50% yellow fluor	
	4700		ļ							4700
									Dol - cream to It grey, mst fn xln sucrosic w/ fair vis xln pors & few small vuggy; good friability w/ 90% barren w/ sl chalky break; 3-4 clusters med xln w/ good vis rhomb xln w/ offset xln/vugs; well	
								19	saturated w/ nice show on break (best show in B zone) likely "crumbled cavings" from upper portion of zone	
			Ł							
				>						
			1					11		
		_	く							
			$\{ \mid$						Dol - cream, pale grey & few brown; fine xln sucrosic w/ chalky appearance in most;	
			5					1	friable w/ no show on break; trace pcs w/ shows identical to lower B zone; flood CH - bone white, vitreous, blocky break; appears limey in some; dense; brick tight; no	
			5					11	odor, ns	
			>					11		
	4750			\geq				11		
	0017			5				l	Dol - cream & It grey, fn xin sucrosic w/varying composition % chalky Lime in some	
				<u>}</u>				1	w/ increasing Lime & CH w/ micritic & dolo LS & some clean CH; some pcs w/ pale green shale staining & trace stringers pale green-grey slivers	
				\$				11		
								11		
			S							
dod of discourse			5	\leq		mpson S		Ц		
		Ħ			47	76' (-2808	5')	11	SH - flood turqoise green, smooth txture, silty & firm, partly brittle; v. few pcs SS - wht to pale green & grey clusters; sI frosted qtz, med grains, wel rnd & srtd; friab w/ some	
		⊨ ‡						11	fair to gd vis pors; barren; pyrite & some shaley incls	
		E								
		\square							SH - 95% turq green, silty & smooth, firm but brittle break; few clusters SS - wht to It grey/green, sb round med frst qtz; well sorted; white chalky matrix is soft; fills	
									intragrain pors; pyrite is prevalent	
at tidal da	4800	0 -10			COP (min/ft Gas (units)		10 100		SS - flood It grey to v. It tan/cream clusters w/ abdt dark speckled inclusions; SS	4800
			5		units)		100		appears opaque w/ sl frosted qtz (mst fn, sm med grains) well md & sorted;	
		H							intergrain pors is bound w/ silt & shale; fair friab w/ dark flakes on break; no odor, no live oil; no fluor	
		H						11		
		₀⊟∮						11		
								11		
								11		
		F						11		
I	1050							11		1 1070