KOLAR Document ID: 1576334

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:	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: 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 fluid disposal if fladica 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: 1576334

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	rpS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in pres	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit)		Yes No		Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Log	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [Nev		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>	
Purpose: Perforate		Depth Top Bottom	Тур	pe of Cement	# Sacks Use	ed		Type and	Percent Additives	
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed P	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	ed, Submit AC							·		
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	Size:	Set A	: -	Packer At:					

Form	ACO1 - Well Completion		
Operator	W.D. Short Oil Co., LLC		
Well Name	BROWN 14		
Doc ID	1576334		

All Electric Logs Run

Gamma Ray/Cement Bond Log
Sonic Log
Dual Induction Log
Neutron Log

Form	ACO1 - Well Completion		
Operator	W.D. Short Oil Co., LLC		
Well Name	BROWN 14		
Doc ID	1576334		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.62	23	337	Class A		Calcium Chloride 3% GEL 6%
Production	7.875	5.5	15.5	3630	Class A, 60/40 Pz Mix	530	6% Gel, 2% Calcium

Elite Cementing & Acidizing of KS, LLC PO Box 92

Eureka, KS 67045



Date	Invoice #
1/12/2021	5376

Bill To

W.D. Short Oil Company
PO Box 729
Oxford, KS 67119

Customer ID# 1019

Job Date	1/11/2021	
Lease Information		
Bro	wn #14	
County	Cowley	
Foreman	DG	

			Terms	Net 15
Item	Description	Qty	Rate	Amount
	Company Duran Sturfage	1	890.00	890.00
C101 C107	Cement Pump-Surface Pump Truck Mileage (one way)	75	4.20	315.00
0000	Class A Cement-94# sack	190	15.75	2,992.50T
C200	Class A Cement-94# sack Calcium Chloride	535	0.63	337.05T
C205	Gel Bentonite	355	0.21	74.55T
C206	Flo-Seal	50	2.35	117.50T
C209 C108B	Ton Mileage-per mile (one way)	669.75	1.40	937.65
7.01	Discount on Services		-107.14	-107.14
D101 D102	Discount on Services Discount on Materials	,	-176.08	-176.08T
		-		
ł				

We appreciate your business!

-	Phone #	Fax#	E-mail
	620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to: Elite Cementing & Acidizing of KS, LLC PO Box 92 Eurelia, KS 67045

Subtotal	\$5,381.03
Sales Tax (6.5%)	\$217.46
Total	\$5,598.49
Payments/Credits	\$0.00
Balance Due	\$5,598.49

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report				
Ticket No.	5376			
Foreman	David Contain			
Camp/	ure EG			

Date	Cust. ID#	Lea	se & Well Number		Section	Township	Range	County	State
1-11-21	1019	Bre	own #14		2	345	5 E.	Coulev	1 KS
Customer	ustomer			Safety	Unit #	Driv		Unit#	Driver
WD.	Short D	il Com	P1+112	Meeting	11	7.6.1	er A		
Mailing Address		1	7	16	112	547	65		
P.b.	Bex 72	29		171-1 5h-1					
City		State	Zip Code						
Oxfor	d	KS	107119						
Job Type <u>Sur</u>		Llele De	pth _ 358' &	18	CI V. I	46 Bbl			
								bing	
			ze _/21/4"	V - 17		15 5		II Pipe	
Casing Size & \			Left in Casing	7/-	Water Gal/SK	_ 4.5	Oth	ner	
Displacement_	21/2 13	Displac	ement PSI		Bump Plug to	-	ВР	Μ	
Remarks:	afety n	lecting.	Rig up to	896"	calle.	Break Ci	reulati	W W/ 10	RH
trash 1.10	ater. M	ixid 19	a src (los)	F1 (P	ment in	1 340 Ca	1/2 2%	Get 1/4 "	Thera!
15K W 10	5#/901,1	11111 1.35	= 410 Bb1	Shurry	. Arsolar	e w/2	14 B	bl feeth 1	ictor.
Shut does	in Close	195105	in Good	Clanson	refurns	to such	face =	12 Bb1 =10	eru to
eit. Je	b temple	tr Ric	dama.				H		//
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									-2.
									115

Code	Qty or Units	Description of Product or Services	Unit Price	Total
0101	1	Pump Charge	890.00	890.00
1707	75	Mileage	4.20	3/5,00
200	190 src	Class A Coment	15.75	2992.50
205	535#	Caclo. 3%	.63	337.05
C2.06	355 [#]	Sel 2016	,21	74.55
0209	50 th	Floreal Vy " /sk	2.35	117.50
C108B	8.93 Tons	Tex Mikege - Bulk Truck	1,40	927.65
		Thank You		
		/	Sub Tetal	5.664.25
			Less 5%	794.66
		6,5%	Sales Tax	228.90
Authoriz	ation by C	rache Coutter Title Tool Radier - Limiter IX	Total	5,598,49

Elite Cementing & Acidizing of KS, LLC PO Box 92

Eureka, KS 67045



Date	Invoice #
1/20/2021	5420

Bill To

W.D. Short Oil Company
PO Box 729
Oxford, KS 67119

Customer ID# 1019

Job Date	1/16/2021			
Lease Information				
Bro	14			
County		Cowley		
Foreman		KM		

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C102	Cement Pump-Longstring-Stage 1	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	75	4.20	315.00
C102	Cement Pump-Longstring-Stage 2	1	1,100.00	1,100.00
C200	Class A Cement-94# sack	210	15.75	3,307.50T
C206	Gel Bentonite	790	0.21	165.90T
C205	Calcium Chloride	395	0.63	248.85T
C208	Pheno Seal	420	1.30	546.00T
C203	Pozmix Cement 60/40	320	13.40	4,288.00T
C206	Gel Bentonite	1,650	0.21	346.50T
C208	Pheno Seal	640	1.30	832.00T
C108B	Ton Mileage-per mile (one way)	1,772.25	1.40	2,481.15
C761	5 1/2" Type B Basket Shoe	- 1	1,355.00	1,355.00T
C681	5 1/2" Float Collar Body Only	1	215.00	215.00T
C776	5 1/2" DV Tool with Plugs		3,490.00	3,490.00T
C604	5 1/2" Cement Basket	2	236.00	472.00T
C504	5 1/2" Centralizer	5	50.00	250.00T
C781	5 1/2 " Stop Collar	1	32.00	32.00T
D101	Discount on Services		-249.81	-249.81
D102	Discount on Materials	1	-777.44	-777.44T

We appreciate your business!

Phone #	Fax#	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to: Elite Cementing & Acidizing of KS, LLC PO Box 92 Eureka, KS 67045

Subtotal	\$19,517.65
Sales Tax (6.5%)	\$960.14
Total	\$20,477.79
Payments/Credits	\$0.00
Balance Due	\$20,477.79

J E 7[™] PO Box 92 JREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report					
Ticket No 5420					
Foreman Kevin McCoy					
Camp E.U.Reka					

	Cust. ID #	Lea	se & Well Number		Section	Township	Range	County	State
2 27 93	e les ses	73 m	IN #14		9	345	38	Cowley	Ks
/- // - 2/ Customer	1019	KD740 W	17.	Safety	Unit #		iver	Unit #	Driver
	A chest a	1 Common	V	Meeting		Elen	177		
Meeting Mailing Address Meeting Km Ann			113	DAVE					
80 Ray 729 DE			27.0	5400					
City	Villa Villa	State	Zip Code	26	1121	254	A		
OXF	ord	Ks	67/19						
	LONGSTRING	Hole De	epth 3950		Slurry Vol.	BL STAGE	# 2 Tub	oing	
	oth <u>3622.11</u>				Slurry Wt. //			II Pipe	
Casing Siz	e & Wt 5 1/2 (1)	cd 15.5° Cement	Left in Casing 43.5	7	Water Gal/SK			ner	
Displaceme	ent 244 4 4 4	Displac	cement PSI 960 35	7072 # 1 16 E F Z	Bump Plug to			M	
			used Tested C						C Paku 6
		/	BALL WAN 101	4					
200	/	/	s A' Cement W						
			& Lines. Shut o						
		1	inno Phassure					*	***
			Tool 3 950 151						
			BK 6 37 EK F						
			0/40 POZMIX (
			Lines. Releas						
TINHL TUN	Thing PRESSURE	900 15%. Bum	po they to 1900 is	1. 150/083	E 1/6055UFE	No + low EA	OK. DV Tea	((TUSED, & B	孫に してかりじん
w. r. 1 1.			- 17 11 -0 -	4 4 5 4 7	Distant 1	acre de soje, j	3 / 7	1100000	in the ne
70 fit: ()	Oty or Units	1 @ 900 (51) 2.	SSKEW LH 20	st MH.	DV Test en	Top of #38. (Purtalizas"	15,5,7.36 TA	x+5 13.36
Code	Qty or Units	Description	of Product or Ser	st MH.	DV Test en	Tap of #38. (Unit F	7.5,5,7, <u>36</u>	水坊*13.36 Total
Code	Qty or Units	Description Pump Char	SSKEW EH 20 of Product or Ser ge Stage ** /	st MH.	DV Tect on	Tep of #38. (Unit F	7.5,5,7,36 EAS Price	水市 * 13 36 Total //00・00
Code 0 /02 c /07	Qty or Units	Description Pump Char Mileage	of Product or Ser	st MH.	DV Tect en	Tap of #38. (Unit F	7.5,5,7,3/ Z/s Price 00 20	70tal 70tal 7700-00 375-00
Code 0 102 0 107 0 102	Qty or Units / //// //// ///// //////////////////	Pump Char Mileage	of Product or Ser	st MH.	DV Tool on	Tap of #38. (Unit F 1100 4.	73,57 % ZA Price 00 20	#85 13.36 Total //60.00 3/5.00 //00.00
Code 0 /02 c /07	Qty or Units	Pump Char Mileage fump Char Class A C	of Product or Ser ge Stage ** / toe Stage ** 2	vices	DV Test in	Tap of #38. (Unit F 1/00. 4 1/00	7.5.5.7.34. ZA Price 0.0 2.0 .00	##\$ 13.36 Total //00.00 3/5.00 //00.00 3802.50
Code 0 102 0 107 0 102	Qty or Units / 75 / 2/6 5/3 796 **	Pump Char Mileage	of Product or Ser ge Stage ** / toe Stage ** 2	st MH.	DV Test in	Tap of #38. (Unit F //00- 4 //00	7.5.5.7.34 ZA: Price 00 20 .00 .75 21 **	#85 13.36 Total //60.00 3/5.00 //00.00
Code 0 /02 0 107 0 102 0 200	Qty or Units / 75 / 2/6 5/4 770 ** 395 **	Pump Char Mileage Famp Char Class ACC Get 4% Cact 2%	of Product or Ser	vices	DV Test in	Tap of #38. (Unit F //60- 4 //5-	7.5.5.7.34. ZA: Price 00 20 .00 7.5 .21 **	##\$ 13.36 Total //00.00 3/5.00 //00.00 3802.50
Code 0 /02 c /07 c /02 c /02 c /02 c /06	Qty or Units / 75 / 2/6 5/3 796 **	Description Pump Char Mileage Famp Char Class A Coo	of Product or Ser	vices	DV Test in	Tap of #38. (Unit F //00- 4 //00	7.5.5.7.34. ZA: Price 00 20 .00 7.5 .21 **	##\$ 13.36 Total //00.00 3/5.00 //00.00 3802.50 //65.90
Code 0 102 0 107 0 102 0 200 0 206 0 205	Qty or Units / 75 / 2/6 5/4 770 ** 395 **	Pump Char Mileage Fump Char Class a C Get 4% Cacts 2% Pheno Seat	of Product or Ser	vices	DV Test in	Tap of #38. (Unit F //60- 4 //60 //5. //5.5	7.5.5.7.34. ZA: Price 00 20 .00 7.5 .21 # 4.3 # 0 #	#85 13.36 Total //60.00 3/5.00 //00.00 3202.50 /65.90 248.85
Code 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02	Qty or Units / 75 / 2/6 5/5 776 * 395 * 426 * 320 5/5	Description Pump Char Mileage Famp Char Class & C Get 4% Cacts 2% Pheno Seat Gold for Get 6%	of Product or Ser ge Stage # 1 Ge Stage # 2 Coment \ 2 # Ish MIX Coment \	sk MH. vices	DV Test en	Tep of #38. (Unit F 1/00 4 1/00 1/5 1/5	75.5.7 # Z# Price 00 20 .00 75 21 # 63 # 0 #	#65 13.36 Total 1100.00 315.00 1100.00 3802.50 165.90 248.85 546.00 346.50
Code 0 /02 0 107 0 102 0 200 0 206 0 206 0 208 0 208	Qty or Units / 75 / 2/6 5/5 776 * 395 * 426 * 320 5/5	Description Pump Char Mileage Flump Char Class A C Get 4% Cact 2% Pherso Seat 60/40 Foz	of Product or Ser ge Stage # 1 Ge Stage # 2 Coment \ 2 # Ish MIX Coment \	sk MH. vices	DV Test in	Tep of #38. (Unit F //60- 4 //60 //5. //5.5	75.5.7 # Z# Price 00 20 .00 75 21 # 63 # 0 #	Total //00.00 3/5.00 //00.00 3802.50 //65.70 248.85 546.00
Code 0 /02 10 7 0 /02 0 /02 0 /02 0 /02 0 /06 0 /06 0 /06 0 /06 0 /06 0 /06 0 /06 0 /06 0 /06	Qty or Units / 75 / 2/6 5/5 770 * 395 ** 426 ** 320 5/6	Description Pump Char Mileage Famp Char Class & C Get 4% Cacts 2% Pheno Seat Goldo Fozo Get 6%	of Product or Ser ge Stage # 1 Seamont \ 2 # 5 # 2 # 5 # 2 # 5 # 1	sk MH. vices	DV Test in	Tep of #38. (Unit F 1/00 4 1/00 1/5 1/5	7.5.5.7.34. ZA: Price 00 20 .00 7.5 .21 # .5.3 # .6.4 .7.5 # .6.4 .7.6 # .7.7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .6.4 .7 # .7 # .7 # .7 # .7 # .7 # .7 # .7 #	#65 13.36 Total 1100.00 315.00 1100.00 3802.50 165.90 248.85 546.00 346.50
Code 0 /02 0 /02 0 /02 0 /02 0 /06 0 /05 0 /05 0 /06 0 /06 0 /08 0 /08 0 /08 8	Qty or Units / 75 / 2/6 5/5 790 * 395 * 426 * 426 * 320 5/5 /650 * 640 *	Description Pump Char Mileage Famp Char Class & C Gel 4% Cacle 2% Pheno Seal Goldo for The Mileage	of Product or Ser ge Stage # 1 Ge Stage # 2 Coment \ 2 # 5 th MIX Coment \ 2 # 5 th	st. MH. vices there 1 275 275 285.	DV Test in	Tep of #38. (Unit F 1/00 4.	75.5.7 # Z# Price 00 20 .00 75 21 # 63 # 0 #	#85 13.36 Total //00.00 3/5.00 //00.00 3202.50 //65.90 248.85 546.00 4288.00 346.50 832.00
Code 0 102 0 107 0 102 0 200 0 206 0 206 0 208 0 208	Qty or Units 1 75 1 216 5K3 790 * 395 * 426 * 320 5K3 1650 * 640 * 23.63 Tens	Description Pump Char Mileage Famp Char Class A C Gel 4% CACLE 2% Pheno Seal Gel 6% Pheno Seal Ton Mileage 5 1/2 Type J	of Product or Ser ge Stage # 1 Seamont \ 2 # 5 # 2 # 5 # 2 # 5 # 1	st MH. vices	DV Test in	Tep of #38. (Unit F	7.5.5.7.	#88 13.36 Total 1100.00 315.00 1100.00 3802.50 165.90 248.85 546.00 346.50 832.00
Code 0 /02 10 7 0 /02 0 200 0 206 0 208 0 208 0 208 0 208 0 208 0 208 0 761	Qty or Units / 75 1 216 5/6 770 * 395 * 426 * 320 5/6 1650 * 640 * 23.63 7005	Description Pump Char Mileage Famp Char Class & C Gel 4% Cacle 2% Pheno Seal Golffo Foz Gel 6% Pheno Seal Ton Milean 51/2 Type 5 51/2 Floor	of Product or Ser ge Stage # 1 see Stage # 2 Sement \ S 2 # st MK Cement \ 2 # che	st MH. vices	DV Test in	Tep of #38. (Unit F 1/60 4.	7.5.5.7.	#85 13.36 Total //60.00 3/5.00 //00.00 3202.50 /65.90 248.85 546.00 346.50 832.00 2487.75
Code 0 /02 0 /02 0 /02 0 /02 0 /02 0 /02 0 /06	Qty or Units 1 75 1 216 5K3 796 * 395 * 426 * 320 5K5 1650 * 640 * 23.63 70N5 1	Description Pump Char Mileage Famp Char Class A C Gel 4% Cacle 2% Floor Form Mileage Ste Type J Ste Tloor Ste DV To	of Product or Ser ge Stage # 1 see Stage # 2 Sement \ S 2 # st MIX Cement \ 2 # c BASKET Shoe Coller Body on L w/ 1/095	st MH. vices	DV Test in	Tep of #38. (Unit F	7.5.5.7.	#88 13.36 Total //60.00 3/5.00 //00.00 3802.50 /65.70 248.85 546.00 346.50 832.00 2487.75 /355.00
Code 0 102 0 102 0 102 0 200 0 206 0 208 0 208 0 208 0 108 B 0 761 0 181 0 776	Qty or Units 1 75 1 216 5K5 796 * 395 ** 426 ** 320 5K5 16.50 ** 440 ** 23.63 70 NS 1 1 1	Description Pump Char Mileage Famp Char Class A C Gel 4% CACLE 2% Phenoseal Golffo for Gel 6% Franciscal Ton Mileage Sta Type J Sta Tlast Sta DV To Sta Centent	of Product or Ser ge Stage # 1 The Stage # 2 Stage # 3 Stage # Shoe Collect Body on Stage # Stage # 3	st MH. vices	DV Test in	Tep of #38. (Central ress 2 Unit F 1/60- 4 1/00 1/5- 1/	7.5.5.7.	#85 * 13 .36 Total //60.00 3/5.00 //00.00 3202 50 /65.90 248.85 546.00 4288.00 832.00 2487.00 2490.00 422.00
Code 0 102 0 102 0 102 0 102 0 200 0 206 0 208 0 208 0 208 0 208 0 108 E 0 761 0 181 0 184 0 504	Qty or Units 1 75 1 216 5K3 796 * 395 * 426 * 320 5K5 1650 * 640 * 23.63 70N5 1	Description Pump Char Mileage Famp Char Class & C Gel 4% Cacle 2% Chero Seal Golffo Foz. Gel 6% Franciscal Ton Milear Sta Type J.	of Product or Ser ge Stage # 1 The Stage # 2 Sement \ 2 # Stage MIX Coment \ 2 # Stage BASKet Shoe Collar Body on at w/ flogs t BASKets Contacts	st MH. vices	DV Test in	Tep of #38. (Unit F	75,5,7, # Z# Price 00 20 .00 75 .21 # 63 # 65.00 5.00 5.00 6.00 6.00	#88 13.36 Total 1100.00 315.00 1100.00 345.00 165.90 248.85 546.00 832.00 2487.15 1355.00 215.00 3470.00 472.00 256.00
Code 0 102 0 102 0 102 0 200 0 206 0 208 0 208 0 208 0 108 B 0 761 0 181 0 776	Qty or Units 1 75 1 -216 543 796 * 395 * 426 * 320 545 1650 * 640 * 23.63 7015 1 1 2 5	Description Pump Char Mileage Famp Char Class A C Gel 4% CACLE 2% Phenoseal Golffo for Gel 6% Franciscal Ton Mileage Sta Type J Sta Tlast Sta DV To Sta Centent	of Product or Ser ge Stage # 1 The Stage # 2 Sement \ 2 # Stage MIX Coment \ 2 # Stage BASKet Shoe Collar Body on at w/ flogs t BASKets Contacts	st MH. vices	DV Test in	Tep of #38. (2.00 Particle 2.	7.5.5.7.	#88 * 13 .36 Total 1100.00 315.00 1100.00 3202.50 165.90 248.85 546.00 346.50 832.00 2484.15 1355.00 215.00 3490.00 422.00 32.00
Code 0 102 0 102 0 102 0 200 0 206 0 205 0 208 0 208 0 208 0 208 0 208 0 108 B 0 761 0 181 0 184 0 1504	Qty or Units 1 75 1 -216 543 796 * 395 * 426 * 320 545 1650 * 640 * 23.63 7015 1 1 2 5	Description Pump Char Mileage Famp Char Class & C Gel 4% Cacle 2% Chero Seal Golffo Foz. Gel 6% Franciscal Ton Milear Sta Type J.	of Product or Ser ge Stage # 1 see Stage # 2 Sement \ 2 # st MIK Coment \ 2 # ch Basket Shoe Collar Body on at w/ flogs t Baskets Entralizers	sk MH. vices tage 1 275 255	DV Test in	Tep of #38. (2. Sub Tot.	75.5.7. % Z& Price 00 20 .00 .00 .75 .21 # .53 # .65 # .65 # .65 .00 .50 .00 .50 .00 .50 .00 .50 .00	#85 13.36 Total 1100.00 315.00 1100.00 320250 165.90 248.85 546.00 346.50 2484.85 1355.00 215.00 3490.00 412.00 32.00 65.44.90
Code 0 102 0 102 0 102 0 200 0 206 0 205 0 208	Qty or Units 1 75 1 -216 543 796 * 395 * 426 * 320 545 1650 * 640 * 23.63 7015 1 1 2 5	Description Pump Char Mileage Famp Char Class & C Gel 4% Cacle 2% Chero Seal Golffo Foz. Gel 6% Franciscal Ton Milear Sta Type J.	of Product or Ser ge Stage # 1 The Stage # 2 Sement \ 2 # Stage MIX Coment \ 2 # Stage BASKet Shoe Collar Body on at w/ flogs t BASKets Contacts	sk MH. vices tage 1 275 255	DV Test in	Tep of #38. (Centralizes 2 Unit F 1/60- 4 1/00- 1/5. 1/00- 1/00- 1/5. 1/00- 1/0	75,5,7, # Z# Price 00 20 .00 75 .21 # 63 # 65.00 5.00 5.00 60 .44 .4	#85 * 13 .36 Total 1100.00 315.00 1100.00 3202.50 165.90 248.85 546.00 346.50 832.00 2484.15 1355.00 215.00 3490.00 422.00 32.00

ackprime LOCATION AND LEGALS DAT

WellSight Systems

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

Well Name: Brown #14

API: 15-035-24728

Location: SE NE NW SE S2-T34S-R5E

License Number: 33608 Region: Cowley County, KS

Spud Date: 1/11/21 Drilling Completed: 1/15/21

Surface Coordinates: 1986' North 1540' West from SE corner

Bottom Hole

Coordinates:

Ground Elevation (ft): 1286' K.B. Elevation (ft): 1298' Logged Interval (ft): Surface To: 3657' Total Depth (ft): 3950'

Formation: Mississippi
Type of Drilling Fluid: WATER BASED

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

<u>Formation</u>	Sample Tops	Log Tops
latan	1902' (-608)	1902' (-608)
Stalnaker	1940' (-642)	1940' (-642)
Iola	2373' (-1075)	2368' (-1070)
Layton	2400' (-1102)	2393' (-1095)
Kansas City	2559' (-1261)	2552' (-1254)
Altamont	2788' (-1490)	2786' (-1488)
Pawnee	2847' (-1549)	2844' (-1546)
Cherokee	2918' (-1620)	2914' (-1616)
Mississippi Chert	3165' (-1867)	3166' (-1868)
Mississippi Lime	3182' (-1884)	3180' (-1882)
Kinderhook	3547' (-2249)	3543' (-2245)
Arbuckle	3604' (-2306)	3601' (-2303)

OPERATOR

Company: W.D. Short Oil Co., LLC

Address: 125 S River Rd

Oxford, KS 67119

GEOLOGIST

Name: Brandon Wolfe

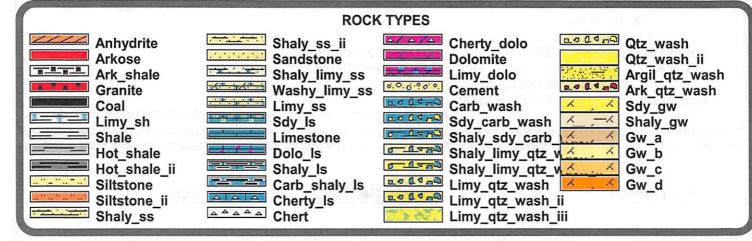
Company:

Address: 1016 N Biddle St

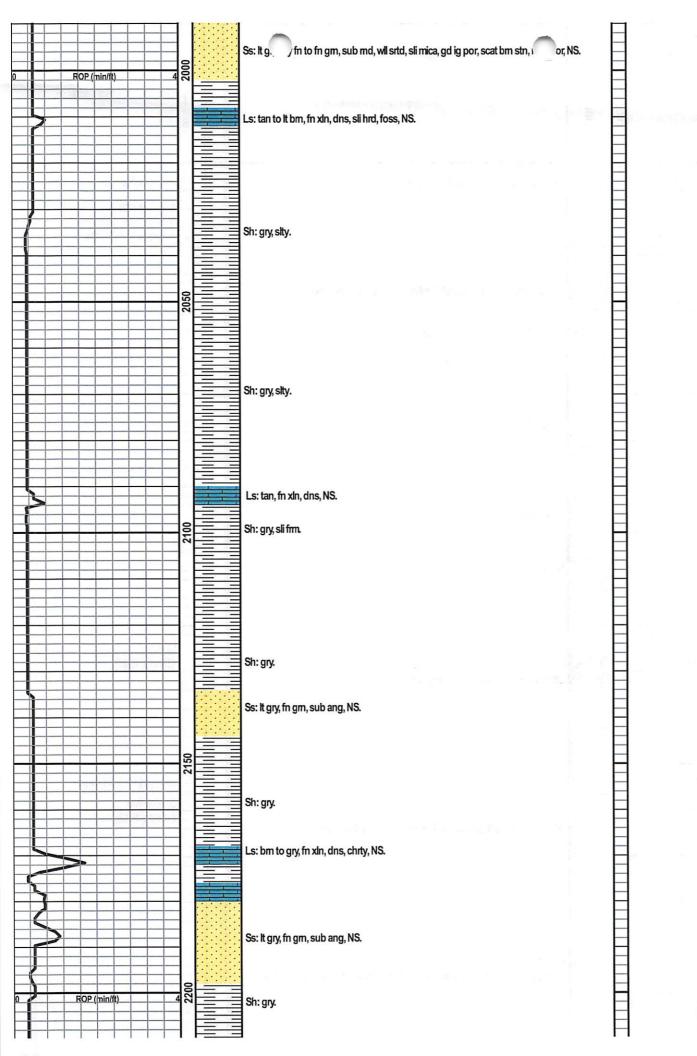
Moline, KS 67353

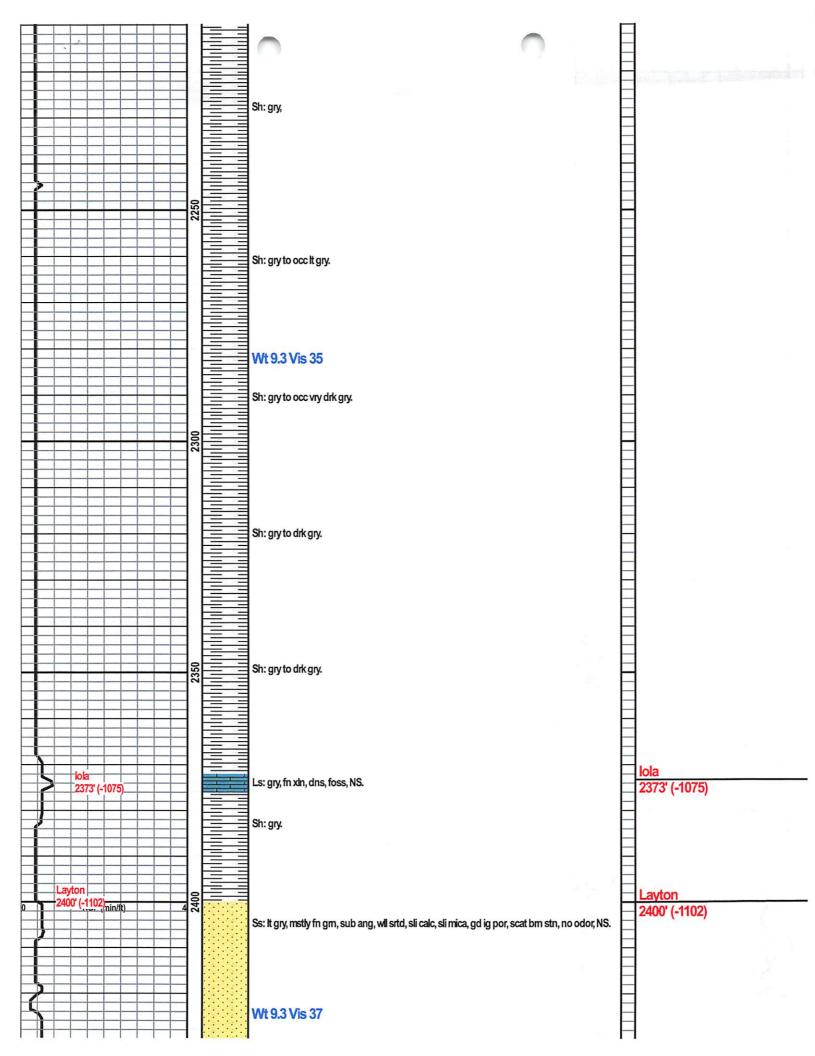
COMMENTS

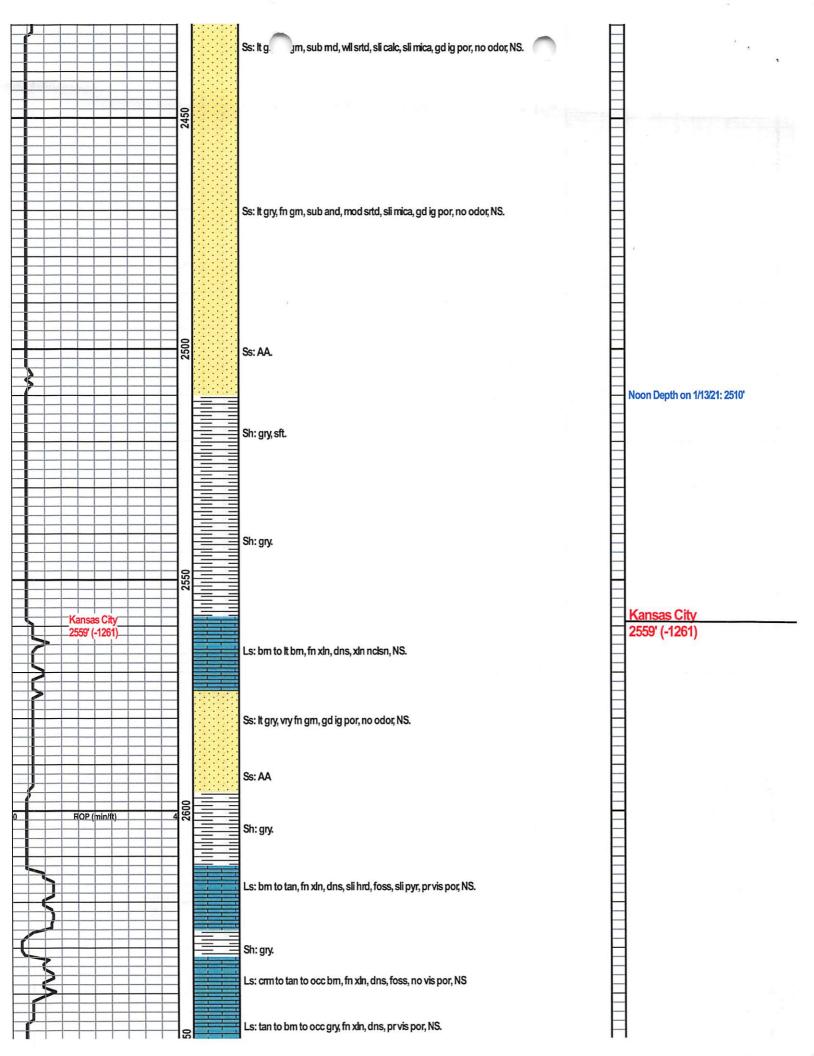
5 1/2" Casing was ran to the top of the Arbuclke and cemented to top

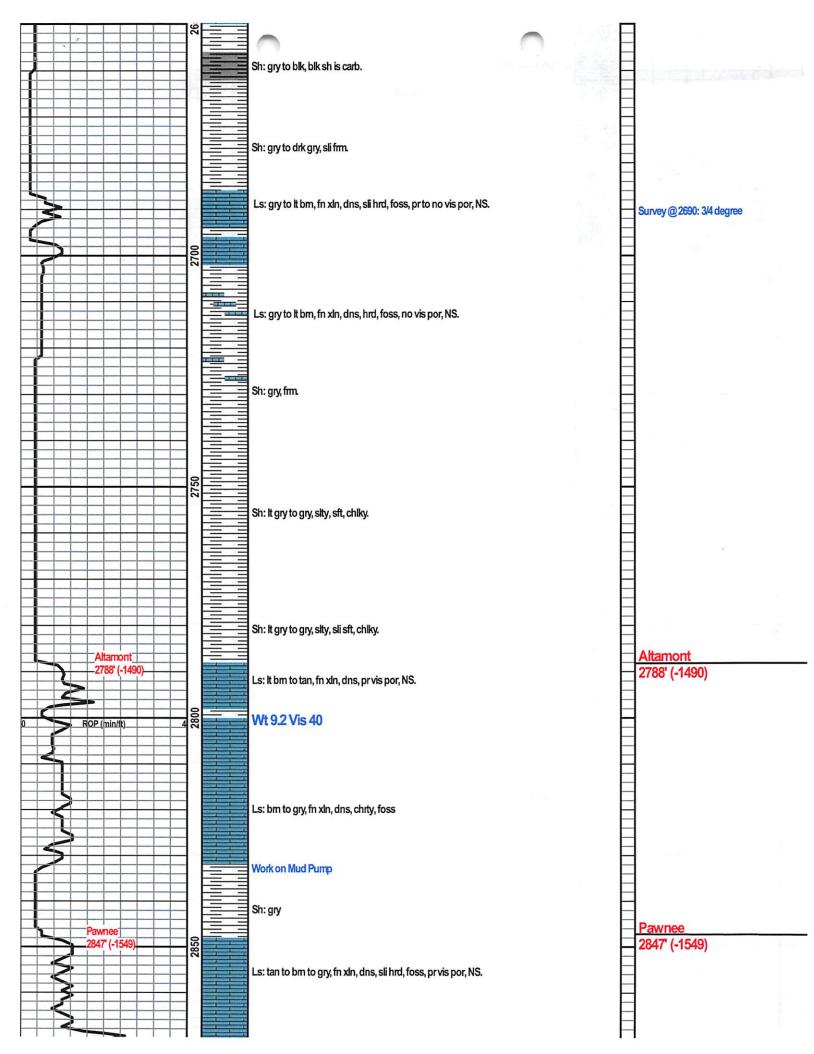


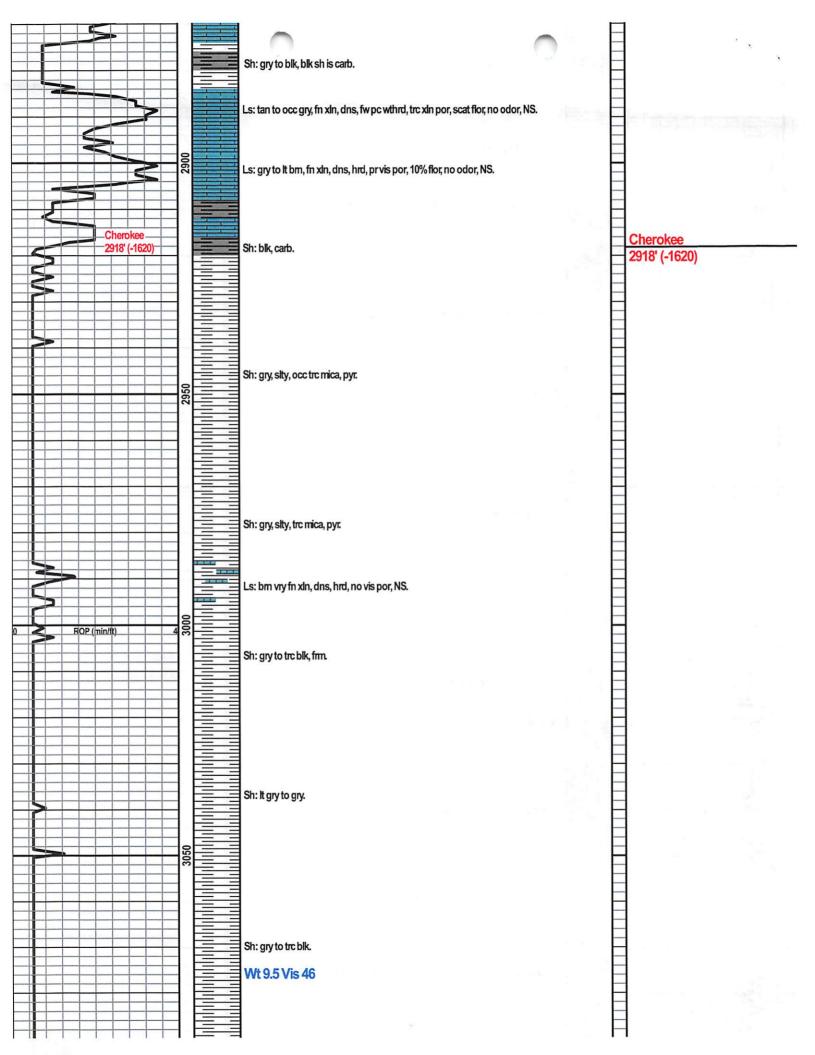
Penetration Rate				Γ	
ROP (min/ft)	TVD	Lithology	Geological Descriptions	Oil Shows	Remarks
Note: Depth Scale is from 0-4 min/ft	18		337' of Surface Pipe was set @ 11:00PM on 1/11/2021 Geo showed up on location @ 6:00AM on 1/13/20 - Depth: 1850' Start Kelly Down (KD) Wet & Dry Samples		Midnight Depth on 1/13/21: 1344' Survey @ 357: 3/4 degree Survey @ 894: 1/2 degree Survey @ 1344: 1/2 degree
	1850		Mud up @connection @1846' Sh: gry, sft. WT 8.7 Vis 35		
latan 1906' (-608)	1900		Sh, gry. LS: tan to bm , fn xln, hrd, scat foss, NS.		latan 1906' (-608)
Stalnaker -1940' (-642)	1950		Sh: gry, fm. SS: It gry, fn to vry fn gm, sub md, wll srtd, sli mica, gd ig por, no odor, NS.		Survey @ 1940: 3/4 degree Stalnaker 1940' (-642)
			Rig Service Ss: It gry, vry fn to fn gm, sub md, mod srtd, frm, mica, gd ig por, no odor, NS.		

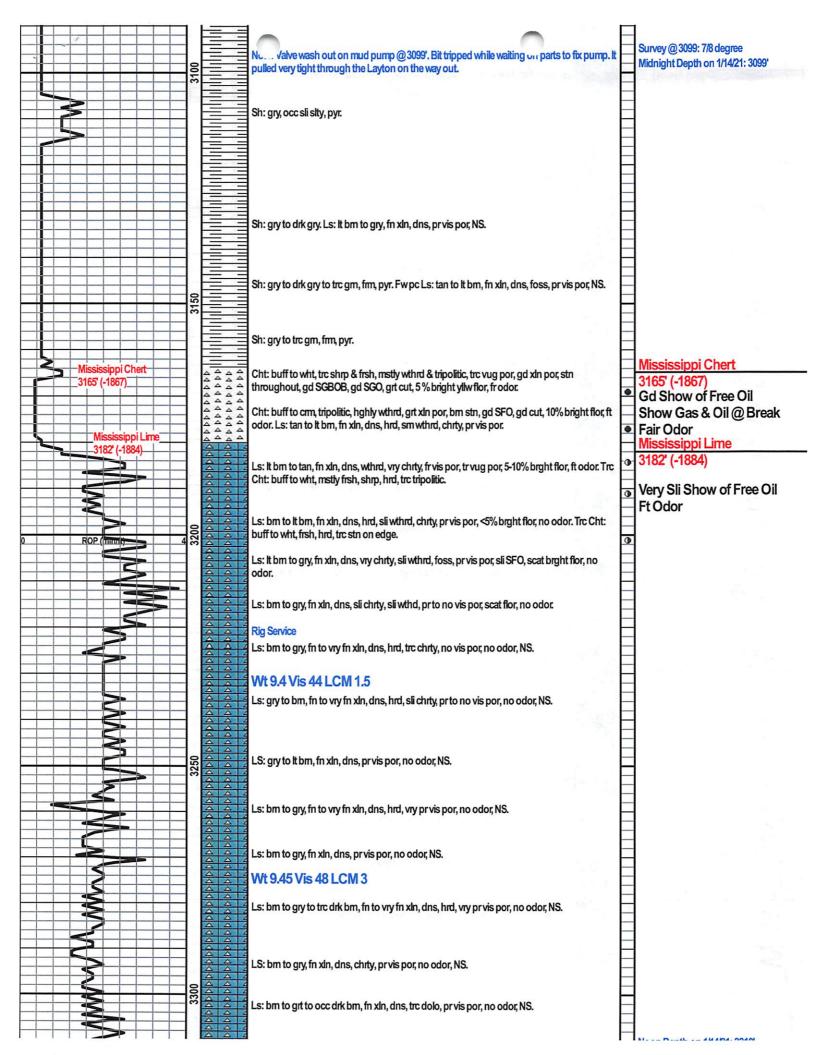












Ls: AAv4tm: Cht. Ls: gry to bm, fn xln, dns, trc wthrd, pr vis por, no odor, NS. Trc Cht. Ls: gry to bm to trc drk br, fn xln, dns, trc dolo, pr to no vis por, no odor, NS Ls: bm, fn to vry fn xln, dns, hrd, trc dolo, sli chrty, xln nclns, pr vis por, ft odor, NS. Trc Cht: frsh, shrp. Ls: gry to bm, fn xln, dns, sli chrty, trc dolo, pr vis por, vry ft odor, NS. Trc Cht. Ls: bm to gry to drk bm, fn xln, dns, trc dolo, pr to no vis por, no odor, NS. Ls: bm to drk bm, vry fn xln, dns, hrd, dolo, pr to no vis por, no odor, NS. Ls: bm to drk bm, vry fn xln, dns, hrd, dolo, no vis por, no odor, NS. Ls: drk bm, vry fn xln, dns, hrd, dolo, sli chrty, no vis por, no odor, NS. Ls: AA. Ls: drk bm to drk gry, vry fn xln, dns, hrd, dolo, sli chrty, pr to no vis por, no odor, NS. Ls: drk bm, vry fn xln, dns, hrd, dolo, sli chrty, xln nclns, pr vis por, no odor, NS. Ls: increasing in darkness, drk bm to drk gry, vry fn xln, vry dns, dolo, pr vis por, NS. Ls: drk gry, vry fn xln, dns, dolo, prto no vis por, NS. Ls: AA. Ls: AA. Ls: AA. Ls: AA. Ls: drk gry, fn xln, dns, dolo, pr vis por, no odor, NS. LS: drk gry, fn xln, dns, dolo, pr vis por, no odor, NS Ls: gry gry to trc gry, fn xln, dns, dolo, pt vis por, no odor, NS. Sh: gry to It gry. Sh: It gry, sli frm, sub chnky.

Ft Odor

