

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1193787

Form ACO-1 August 2013 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:						
Address 2:	Feet from Dorth / South Line of Sectio					
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.xxxxx) (e.gxxx.xxxxx)					
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84					
Purchaser:	County:					
Designate Type of Completion:	Lease Name: Well #:					
	Field Name:					
	Producing Formation:					
	Elevation: Ground: Kelly Bushing:					
	Total Vertical Depth: Plug Back Total Depth:					
CM (Cool Bod Mathana)	Amount of Surface Pipe Set and Cemented at: Feet					
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?					
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 ENHR Conv. to SWD	Drilling Fluid Management Plan					
Plug Back 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:					
SWD Permit #:	Location of fluid disposal if hauled offeite:					
ENHB Permit #:	Location of huid disposa in natied offsite.					
GSW Permit #:	Operator Name:					
	Lease Name: License #:					
Spud Date or Date Beached TD Completion Date or	Quarter Sec TwpS. 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					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Page Two	1193787
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chave important tapa of formations panatrated	Datail all agree Depart all	final applica of drill atoms toots sixing interval tootad, time tool

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 Sho	eets)	Yes No		og Formatio	on (Top), Depth a	nd Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne	w Used rmediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose.	Depth	Turne of Company	# Cooke Lload		Turne and [Dereent Additives	

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated)e	A	Acid, Fracture, Shot, Co (Amount and Kind	ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Rı	un:	No	
Date of First, Resumed I	Producti	on, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLETION:		_	PRODUCTION INT	FERVAL:			
Vented Sold Used on Lease				Open Hole	Perf.	Dually	Comp.	Commingled		
(If vented, Sub	mit ACO	-18.)		Other (Specify)				(<i>Subinii</i> ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Hertel Oil Company LLC
Well Name	Allenbaugh 1
Doc ID	1193787

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface Pipe	12.25	8.625	20	226.90	Common	150	2% Gel & 3% CC

QUALITY JLWELL CEME. TING, INC.

No. 7609 Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 On Location Finish Range County Ştate Twp. Sec. 12.15 か 14 4 1,5 Date W 4 h to Location nur 14 Sinto 4-N Well No. Owner Lease To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish KV Contractor cementer and helper to assist owner or contractor to do work as listed. Type Job Charge T.D. Hole Size To Depth Stree Csg. State Depth City Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor Depth Tool Cement Amount Ordered Shoe Joint Cement Left in Csg. Displace Meas Line EQUIPMENT Common Cementer No Pumptrk / 5 Poz. Mix Helper Driver No. 3 Gel. Bulktrk Driver Driver No. Calcium Bulktrk DU Driver **JOB SERVICES & REMARKS** Hulls Salt Remarks: Rat Hole Flowseal 205/2 Kol-Seal Mouse Hole 🌪 Mud CLR 48 Centralizers CFL-117 or CD110 CAF 38 Baskets Sand D/V or Port Collar Handling gerolda, Mileage FLOAT EQUIPMENT Uth **Guide Shoe** Centralizer **Baskets AFU Inserts** Float Shoe Latch Down Ili c Pumptrk Charge 0 Mileage Tax Discount **Total Charge X** Signature

	DRILL STEM TES	T REPO	ORT		
	Hertel Oil Co Inc		30-14s-19v	v Ellis KS	
ESTING , INC	704 E 12th st Hays KS, 67601		Allenbaug Job Ticket: 5	gh #1 55359	DST#:1
	ATTN: Chris Neeley		Test Start: 2	2013.11.25 @ 0	02:39:00
GENERAL INFORMATION:					
Formation:LKC "I"Deviated:NoWhipstock:Time Tool Opened:05:03:45Time Test Ended:08:47:30	ft (KB)		Test Type: Tester: Unit No:	Conventional S Cody Bloedorr 53	Straddle (Initial) n
Interval: 3590.00 ft (KB) To 36 Total Depth: 3833.00 ft (KB) (TV 100 Hole Diameter: 7.88 inches Hole 100	08.00 ft (KB) (TVD) /D) • Condition: Fair		Reference E KB	levations:	2128.00 ft (KB) 2123.00 ft (CF) 5.00 ft
Serial #: 8648OutsidePress@RunDepth:35.39 psigStart Date:2013.11.25Start Time:02:39:05TEST COMMENT:45 - IF- 2 1/4" block45 - ISI- No returnFF- Opened tool,	@ 3591.00 ft (KB) End Date: End Time: w n lost mud in hole, pulled tool, reset to	2013.11.25 08:47:29 ool and got 1	Capacity: Last Calib.: Time On Btm: Time Off Btm: /4" blow . pulled tool a	20 2013.11.25 @ 2013.11.25 @ after 5 minutes	8000.00 psig 013.11.25 05:03:30 06:32:45
Pressure vs. T	ime		PRESSU	RE SUMMA	RY
20 Min Nov 2013	Timeorative Topological Topolo	Time (Min.) 0 1 37 79 90	Pressure (psig) Temp (deg F) 1795.70 103.26 18.91 102.87 35.39 104.77 1151.28 105.18 1762.13 105.16	Annotation Annotation Initial Hydro- Open To Flor Shut-In(1) End Shut-In(6) Final Hydro-	static w (1) 1) static
Recovery			Ga	as Rates	
Length (ft) Description 112.00 Mud, with spots of oil, 10	Volume (bbl) 0%M 1.30		Choke	(inches) Pressure	(psig) Gas Rate (Mcť/d)

	DRILL STEM TES	T REPO	DRT		
	Hertel Oil Co Inc		30-14s-19v	v Ellis KS	
ESTING , INC	704 E 12th st Hays KS, 67601		Allenbaug	gh #1	DOT#. 4
	ATTN [.] Chris Neelev		Test Start: 2	2013 11 25 @	02:39:00
GENERAL INFORMATION:					
Deviated: No Whipstock: Time Tool Opened: 05:03:45 Time Test Ended: 08:47:30	ft (KB)		Test Type: Tester: Unit No:	Conventional Cody Bloedo 53	l Straddle (Initial) rn
Interval: 3590.00 ft (KB) To 36	08.00 ft (KB) (TVD)		Reference E	levations:	2128.00 ft (KB)
Hole Diameter: 7.88 inchesHole	(D) e Condition: Fair		KB	to GR/CF:	2123.00 ft (CF) 5.00 ft
Serial # 8655 Below (Strad	dle)				
Press@RunDepth:psigStart Date:2013.11.25Start Time:02:39:05	 3833.00 ft (KB) End Date: End Time: 	2013.11.25 08:47:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:	:	8000.00 psig 2013.11.25
TEST COMMENT: 45 - IF- 2 1/4" blo 45 - ISI- No retur FF- Opened tool,	w n lost mud in hole, pulled tool, reset t	ool and got 1/	4" blow . pulled tool a	after 5 minute	S.
Pressure vs. T	ime		PRESSU	RE SUMM	ARY
2000 200 2000 2	B555 Temperature 190 90 90 90 90 90 90 90 90 90	Time (Min.)	Pressure Temp (psig) (deg F)	Annotatio	n
Recovery			Ga	as Rates	
Length (ft) Description 112.00 Mud, with spots of oil, 10	Volume (bbl) 00%M 1.30		Choke	(inches) Pressur	re (psig) Gas Rate (Mct/d)

t								
		DRILL STEM TEST REPORT					FLUID SUMMARY	
		Hertel	Dil Co Inc	30-14s-19w Ellis KS				
	ESTING , INC.	704 E ⁻	l2th st	Allenbau	gh #1			
		Hays K	(S, 67601	Job Ticket:	55359	DST#:1		
NOX.		ATTN:	Chris Neeley	Test Start: 2013.11.25 @ 02:39:00				
Mud and C	ushion Information							
Mud Type: G	Gel Chem		Cushion Type:		Oil API:		deg API	
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:		ppm	
Viscosity:	52.00 sec/qt		Cushion Volume:	bbl				
Vvater Loss:	6.00 in ³		Gas Cushion Type:	neia				
Salinity:	1600 00 ppm		Gas cushion Pressure.	psig				
Filter Cake:	inches							
Recovery li	nformation							
			Recovery Table	1	-			
	Lengt ft	th	Description	Volume bbl				
		112.00	Mud, with spots of oil, 100%M	1.29	8			
	Total Length:	112	.00 ft Total Volume: 1.298 bbl					
	Num Fluid Samp	les: 0	Num Gas Bombs: 0	Serial #	t :			
	Laboratory Nam	ne:	Laboratory Location:					
	Recovery Com	nents:						
1								

Printed: 2013.11.25 @ 09:12:04

Ref. No: 55359





Printed: 2013.11.25 @ 09:12:04

Ref. No: 55359

Trilobite Testing, Inc



Allenbaugh #1

DST Test Number: 1

Company: Address:	OPERATOR HERTEL OIL COMPANY, LL 704 E 12TH STREET HAYS, KANSAS 67601	С						
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	DAVE HERTEL 785-628-2445 ALLENBAUGH #1 S2-NW-SW-SE Sec. 30-14S WILDCAT KANSAS	-19W API: Field: Country:	15-015-26,624-00-00 UNNAMED U.S.A.					
	Scale 1:240 Impe	rial						
Well Name: Surface Location: Bottom Location:	ALLENBAUGH #1 S2-NW-SW-SE Sec. 30-14S	-19W						
License Number:	33625 11/20/2013	Time [.]	1.00 PM					
Drilling Completed:	ELLIS COUNTY 11/24/2013	Time [.]	4:30 PM					
Surface Coordinates: Bottom Hole Coordinates:	860' FSL & 2310' FEL	finite.	4.00 F W					
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2126.00ft 2134.00ft 3000.00ft 3833.00ft LANSING - KANSAS CITY CHEMICAL/FRESH WATER	To: GEL	3833.00ft					
	SURFACE CO-ORDI	NATES						
Well Type: Longitude: N/S Co-ord: E/W Co-ord:	Vertical -99.4744808 860' FSL 2310' FEL	Latitude:	38.8005861					
LOGGED BY								
		DNS						
Company: Address:	SOLUTIONS CONSULTING 108 W 35TH HAYS, KS 67601	, INC						
Phone Nbr: Logged By:	785-639-1337 Geologist	Name:	CHRIS NEELEY					
Contractor: Rig #:	CONTRACTOR DISCOVERY DRILLING 1	R						
Rig Type: Spud Date: TD Date: Rig Release:	MUD ROTARY 11/20/2013 11/24/2013 11/25/2013	Time: Time: Time:	1:00 PM 4:30 PM 4:15 PM					
	ELEVATIONS							
K.B. Elevation: K.B. to Ground:	2134.00ft G 8.00ft	round Elevation:	2126.00ft					
	NOTES							
DECISION TO PLUG WELL WAS BASED UPON LOW STRUCTURAL POSITION, LACK OF DEVELOPED RESERVOIRS AS INDICATED BY GEOPHYSICAL LOG, AND LACK OF A POSITIVE DRILL STEM TEST RESULTS								
OPEN HOLE LOGGING PERFORMED BY NABORS COMPLETION AND PRODUCTION SERVICES CO.: MICRO LOG, DUAL INDUCTION LOG , NEUTRON/DENSITY POROSITY LOG								
DRILL STEM TESTING BY TRILOBITE TESTING INC.: ONE (1) STRADDLE PERFORMED								
FORMATION TOPS SUMMARY								
	DEFIEED EVELODATIONS							

	KB 2134			KB 2134		KB 2149			KB 2161				
	LOG TOPS		SAMPLE TOPS		MICRO LOG LOG		LOG	RAG LOG L		LOG	RAG LOG		LOG
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.
ANHYDRITE	1407	+727	1408	+726	1400	+734	-7	1420	+729	-2	1493	+668	+59
ANHYDRITE BASE	1443	+691	1443	+691	1443	+691	+0	1456	+693	-2	1450	+711	+20
ΤΟΡΕΚΑ	3129	-995	3128	-994	3122	-988	-7	3138	-989	+4	3148	-987	+8
HEEBNER	3395	-1261	3392	-1258	3385	-1251	-10	3404	-1255	-6	3416	-1255	-6
TORONTO	3418	-1284	3414	-1280	3409	-1275	-9	3432	-1283	-1	3440	-1279	-5
LANSING K.C.	3439	-1305	3435	-1301	3431	-1297	-8	3451	-1302	-3	3460	-1299	-6
K.C. BASE	3687	-1553	3685	-1551	3683	-1549	-4	3704	-1555	2	3716	-1555	+2
MARMATON	3739	-1605	3738	-1604	3726	-1592	-13	3750	-1601	-4	3751	-1590	-15
ARBUCKLE	3799	-1665	3793	-1659	3762	-1628	-37	3778	-1629	-36	3796	-1635	-30
RTD			3833	-1699	3820	-1686		3790	-1641		3807	-1646	
LTD	3838	-1704			3822	-1688		3791	-1642		3806	-1645	
													1
L													

GROSS #1 SE-NW-NE-SE Sec. 30, T14S, R19W ROHR #1 OWWO C-NW-NW Sec. 30, T14S, R19W

LILLY JOHNSON #1

SE-SW-NE Sec. 30, T14S, R19W

ALLENBAUGH #1 S2-NW-SW-SE Sec. 30, T14S, R19W

	Daily Activity Report
	for
	Allenbaugh #1
	S2-NW-SW-SE of Section 30, Township 14 South, Range 19 West
11/20/13	Rig-up, Spud in: 1:00 pm, Slope: ¹ / ₄ ° at 222′, 8 ⁵ / ₈ ″ surface casing set at: 222′ with 150 sxs common 3% gel/2% CC, WOC
11/21/13	691' drilling
11/22/13	2228' drilling

11/22/15	2220 dilling
11/23/13	3082' drilling
11/24/13	3647' drilling, RTD: 3833' at 3:30 pm and CFS, Short trip: 23 stands, CCH: 1 ½
	hours, Slope: 1 ¼°, Logging: Stack micro
11/25/13	Drill stem test #1: 3590'-3608' "I" zone, Well Plugged at 4:00pm
	-

DST #1 3590' TO 3608' KANSAS CITY "I" ZONE									
	DRILL STEM TES	TREP	ORT						
HILDBITE	Hertel Oil Co Inc		30-14s-1	9w Ellis KS					
ESTING, INC	704 E 12th st		Allenba	ugh #1					
	ATTN: Chris Masley		Job Ticket	55359 DST#:1					
	Arm. Cillia hoody		Toot Start.	2010.11.23 @ 02.00.00					
GENERAL INFORMATION: Formation: LKC "I" Deviated: No Whipstock: Time Tool Opened: 05:03:45 Time Test Ended: 08:47:30	ft (KB)		Test Type: Tester: Unit No:	Conventional Straddle (Initial) Cody Bloedorn 53					
Interval: 3590.00 ft (KB) To 30 Total Depth: 3833.00 ft (KB) (The Hole Diameter: 7.88 inches Hole	08.00 ft (KB) (TVD) /D) e Condition: Fair		Reference	Bevations: 2128.00 ft (KB) 2123.00 ft (CF) (B to GR/CF: 5.00 ft					
Serial #: 8648 Outside Press@RunDepth: 35.39 psig Start Date: 2013.11.25 Start Time: 02:39:05 TEST COMMENT: 45 - IF- 2 1/4" bk 45 - ISI- No retur FF- Opened tool	 3591.00 ft (KB) End Date: End Time: 	2013.11.25 08:47:29	Capacity: Last Calib.: Time On Btm: Time Off Btm: /4" blow . pulled too	8000.00 psig 2013.11.25 2013.11.25 @ 05:03:30 2013.11.25 @ 06:32:45 ol after 5 minutes.					
Pressure vs. 7	Ĩme		PRESS						
1773	Terreporter Terre	Time (Min.) 0 1 37 79 90	Pressure (psig) Tem (deg 1795.70 1795.70 103. 18.91 102. 35.39 104. 1151.28 105. 1762.13 105.	p Annotation F) 26 26 Initial Hydro-static 81 Open To Flow (1) 71 Shut-In(1) 18 End Shut-In(1) 16 Final Hydro-static					
Recovery Length (ft) Description 112.00 Mud, with spots of oil, 10	Volume (bbl) 00%M 1.30		Cho	Gas Rates whe (Inches) Pressure (psig) Gas Rate (Motid)					

ROCK TYPES								
🔺 🔺 📥 🛆 Cht vari	Lmst fw7>	Carbon Sh	1-1-1-1-1-1-1-1-1	Ss				
Dolprim	shale, grn	shale, red	0.0.0.0.0.0.0.	CglSandy				
Dol Lime	shale, gry	Shcol	0 0 0	SsPebbley				
ACCESSORIES								
MINERAL	FOSSIL	STRINGER						
 Carbonaceous Flakes 	 Bioclastic or Fragmental 	Conglomerate						
▲ Chert, dark		green shale						
	Crinoids	red snale						
P Pvrite	G Gastropod							
Sandy	∮ Oolite							
△ Chert White	□ Pelecypod							
Mc Mica	X Sponge Spicules							
	🗢 Fussilinid							



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porosity

Shale- dark gray with black stringers, few chips red

Lime- It gray, vfxIn, soft on crush, consistent pinpoint porosity

Shale- black, hard, laminated, carbonaceous

Lime- tan, vfxIn to compact, very well indurated

Lime- tan, fxln, gritty, soft on crush, good pinpoint intergranular
 porosity, FEW DROPS FREE OIL FLOATING IN CUP, GOOD
 ODOR, QUESTIONABLE SHOW IN CUTTINGS

Lime- tan/gray, chalky, soft on crush, thinly bedded, slightly gritty; chalk wash

Lime- It gray to cream, compact, tight, clean, very well compacted Shale- dark gray

• Lime- It gray to cream, vfxln, consistent pinpoint porosity with scattered fair intergranular porosity, hard on crush, FAINT TO FAIR ODOR IN CUP, SCUM OIL FLOATING IN WATER, MINOR AMOUNT OF OIL ON CRUSH, SCATTERED LT BROWN STAINING IN POROSITY

Lime- It brown w/reddish brown flecks, fxln, sparry, fossil frags, brittle, hard

Lime- gray and brown mottle, fxln, granular, soft on crush

HEEBNER 3392 (-1258)

Lime- It gray, compact, some chalky margins, very hard Shale- few chips A/A; gray-green, sticky argillaceous, few chips hard red, blocky

Shale- brownish-red, ranges from hard and gritty to sticky clay wash

TORONTO 3414 (-1280)

Lime- cream, vfxln to compact, chert-like luster, angular pieces, very well consolidated, very hard, clean, barren

Lime- cream with some gray tint from shale boundary, compact, angular chips, very clean, barren, tight

LANSING/KANSAS CITY 3435 (-1301)

Lime- cream, vfxln, few chips sporadically fusumoldic, inter/intragranular porosity, DARK SPOTTY TO SATURATED STAIN, MIX OF LIVELY DARK OIL AND DEAD OIL IN TRAY/ON CRUSH, NO ODOR

Shale- green, hard, dark inclusions; sticky red, maroon, purple Lime- dark gray/tan w/small It gray ooids, grain supported, compact matrix, grading into vfxln to compact, dark gray, fossiliferous in part

- Lime- medium brown, compact, scattered pinpoint to small-scale vuggy porosity, pores stained with It brown oil, FEW DROPS OIL ON CRUSH, FAINT ODOR IN CUP, FAIR SHOW
- Lime- It tan-cream, compact matrix, well consolidated, oolitic to oolicastic, sporadic intergranular porosity W/ LIGHT REDDISH-BROWN STAIN, FAINT ODOR, NO OIL ON CRUSH/NO FREE OIL

Lime- gray to cream with green tint on some chips, fxln to vfxln, sucrosic in part, most chips very well compacted

Lime- A/A

0

0

Shale- black, carbonaceous, blocky, slick, dark gray, splintery, waxy, few chips red, green wash

Lime- tan, vfxIn to compact, sparry fill, hard, clean, barren

Lime- off-white, fxln to compact, sparry, grading into oolitic/oolicastic with good intergranular porosity, some calcite backfill, some chips friable, DARK STAIN, FAIR ODOR, NO OIL ON CRUSH, SOME CHIPS PRODUCE ODOR ON CRUSH

Lime- off-white to It gray, vfxln, hard, brittle, clean, barren, chalky in part- significant increase in chalk clusters

Lime- tan, fxln, oolitic to oomoldic, rotted appearance in part, clean

Lime- gray-tan, vfxln, clean, barren, tight



