#### KOLAR Document ID: 1571978

Confiden	tiality Requeste	ed:
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			
VVELL		- DESCRIPTION	UF WELL Q	LEAJE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / 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.xxxxx) (e.gxxx.xxxxx)
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:
	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?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
	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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
	Location of fluid disposal if hauled offsite:
	Operator Name:
	Lease Name: License #:
Snud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date 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 III Approved by: Date:								

#### KOLAR Document ID: 1571978

Operator Nam	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 Geological Survey			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	RECORD	] 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: Depth Perforate		Туре	e of Cement	# Sacks Used	Jsed Type a			and Percent Additives	
Protect Casing     Plug Back TD     Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the is</li> <li>Was the hydraulic fractu</li> </ol>	ulic fracturing treatme total base fluid of the h ring treatment informa	nt on this w hydraulic fra tion submit	vell? acturing treatment tted to the chemica	exceed 350,000 al disclosure regis	gallo stry?	Yes Yes Yes Yes	<ul> <li>□ No (If No, s</li> <li>□ No (If No, s</li> <li>□ No (If No, f</li> </ul>	kip questions 2 ar kip question 3) ill out Page Three	nd 3) of the ACO-1)
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	ols. Gas Mcf			Water Bbls. Gas-Oil Ratio Gravity			
DISPOSITION	OF GAS:		M	ETHOD OF COM	<b>IPLE</b>	TION:		PRODUCTIO	ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole	Perf. D	ually <i>ıbmit</i>	Comp. Com ACO-5) (Subn	mingled	тор	Bottom
Shots Per Perf Foot	oration Perfora Top Botto	ition m	Bridge Plug Type	Bridge Plug Set At		Acid,	Fracture, Shot, C (Amount and Ki	ementing Squeeze	Record
	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion						
Operator	Talon Group LLC						
Well Name	SELFRIDGE 2-11						
Doc ID	1571978						

#### 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	12.25	8.625	20	262	Class A	175	2% gel 3% CC
Production	7.88	4.5	11.6	4334	EA-2	175	5% calseal, 10% salt, 1% halad- 322, 7# gilsonite, 1/4# sk flocele

	WELLSITE GEOLOGIST'S REPORT VERNON C. SCHRAG CONSULTANT GEOLOGIST
	Scale 1:240 (5''=100') Imperial
Well Name: Location: Licence Number: Spud Date: Surface Coordinates:	SELFRIDGE #2-11 SW SE SW NW SEC. 11-18S-28W API: 15-101-22645 January 27, 2021 2395' FNL & 880' FWL Region: Lane Co., KS Drilling Completed: February 4, 2021
Bottom Hole Coordinates: Ground Elevation (ft): Logged Interval (ft): Formation: Type of Drilling Fluid:	2728' K.B. Elevation (ft): 2738' 3600' To: RTD Total Depth (ft): 4640' Mississippi Chemical Premix (Displaced) Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com
	OPERATOR.
Company: Address:	Talon Group, LLC P.O. Box 700 Hays, Kansas 67601
	DRILLING CONTRACTOR:
Southwind Drilling Co., Rig	g #8

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8", Kelly 40.00', Tool Joint 5.5"; Bit: JZ F6A 23X, 7-7/8", standard jets 14-14-14; rpm 80, WOB 35k; Kelly Bushing 10' above ground level; Frank Rome (tool pusher).

8-5/8" csg @ 262'

CIRCULATION SYSTEM:

CASING:

Continental EMSCO D-350, duplex, 6 x 14, Chemical, premix, earth pits, MudCo/Service Mud, Inc., Reid

None.

GAS DETECTION SYSTEM:

#### DRILL STEM TESTS:

Trilobite Testing, Inc., Bradley "Walt" Walter, Scott City, KS.

#### **OPEN HOLE LOGS:**

Run-1: DN, DI (SP), Run-2: ML, No Sonic; 5" detail LTD-3600; 2" DI to suface casing; Midwest Wireline, LLC, Dan Schmidt, Log total depth (4642') was two (2) feet long to rotary total depth (4640')

ROP ROP (min/ft) Five Ten	DST	Lithology Porosity and Show	Depth	Geological Descriptions	Total Gas
	5		3900	ANHYDRITE 2110 (+628) B/ANHY 2141 (+597)	BIT TRIP 3830' TO REPLACE PDC BIT. STRAP: 3839.66 BOARD: 3838.58

					-			STRAP WAS LONG 1.08'
								MUD-CO: 3830: VIS 53, WT 8.7, FIL 5.6, CHL 2k; LCM 2#.
Ş							argill., scattered vug porosity; N.S.	
$\mathbf{\lambda}$					-		Shale: gray-brown w/blackish inclusions;	
CON GEO	LOGRAPH	WASNO	от —				LS: as above.	
5+	HB					0	<b>FIEDNER 3944 (-1209)</b> Shale: black; fissile; carbon.; 3960.	
- 2					-	395	Shale: greenish-gray: marly in part: trc siltstone:	
- { -							·······	
CON							LS: off-white to v-lt brn; mic-vf xtal; chalky in part; distinctive dull vel mineral fluor: trc opag. chert:	
~							v-poor porosity; N.S.; 3980.	
2					-		LANSING 3980 (-1242)	
5							LS: off-white to v-lt brown; mic-vf xtal; much opaq. sli. fos chert; trc med. oolite; chalky in part; dull yel	
Ş							mineral fluor; v-poor porosity; N.S.; 4000	
<u>}</u>							LS: as above; trc oolite; much opaq. chert; N.S.	
0	ROP		15			4000		
Š					_		Shale: gray; calc.;	
5					-			
Ł					-		LS: off-white to It brown; mic-vf xtal; sli. fos; chalky in part; poor porosity; N.S.	
					-		Shale: grays;	
$\mathbf{z}$					-		LS: It brown; mic-vf xtal; dense; no visible porosity;	
Ş					-			
- E							LS: It brown; mic-xtal; dense; no visible porosity; N.S.	
- L					-	4050	Shale: gray to greenish-gray; marly in part;	
<b>X</b>								
Š								
X							LS: It-md grayish-brn; vf-xtal; dense; grain suptd oolite; v-poor porosity; N.S.	
*								
		4080	0				LS: It-md grayish brn; vf-xtal; dense; no visible	
<b>}</b>							porosity; N.S.	
							LS: It-brown to It-grayish-brn; vf-xtal; chalky in part;	
			H			4100	mosuy dense; tight; no visible porosity; N.S.	
							LS: as above;	
5							1 St. If and approvable have an interaction of the	
							DS: it-ma grayish-brn; mic-vt xtai; dense; no visible porosity; N.S.	
							TRIP SAMPLE 4140: dark gray shales.	SHORT TRIP 22 STANDS AT 4130. UNEVENTFUL. CIRC 15 MIN BEFORE &
8		4130	0					AFTER.
~							LS: It brown, gray in part; mic-vf xtal; dense; no	
- Z						4150	Shale: black; carbon.; trc 4160.	
					-		porosity; N.S. Shale: greenish; marly;	
AU AU							LS: It-md brown; vf-xtal; much sli. gran. semi- opaq. chert; dense; tight; no visible porosity; trc dull	
Ł		-4170	0				fluor.; N.S.	MUD-CO: 4170: VIS52, WT9.2, FIL 7.2, CHL 2400, LCM 2#
}							LS: It gray; mic-vf xtal; trc semi-trans. chert; chalky	
							in part; poor porosity; scattered dull fluor.; N.S.	
$\leq$					-		Shale: dk-gray to black;	
- <b>- - -</b>					-		LS: It-dk grayish-brn; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S.	
	ROP		15			4200	LS: It brown: mic-vf xtal: dense: no visible	
	ROP	-4210	15			4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4''
		-4210	15			4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP:
		-4210-				4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic;	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995.
		4210-	-0		•	4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD.
		4228				4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD.
		4228-			•	4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK
	ROP	4228		DST #1 	•	50 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. STARK SH 4248 (-1510) Shale: black; carbon.; few chips 4258-stop.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036.
	ROP	4228-		DST		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part;	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2.
		4210-		DST		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4059 4050 CFS	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2.
				DST		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
m m m m m m m m m m m m m m m m m m m		4210-				4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity: N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
		4228-		DST #1 		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
				DST #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month of the second sec				DST #1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1		4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
m m m m m m m m m m m m m m m m m m m				DST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. John John John John John John John John						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month and the second se						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month and the second se						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month and the second se						4300 4250 4200	<ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S.</li> <li>LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S.</li> <li>LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon.; few chips 4258-stop.</li> <li>LS: dense; indistinct;</li> <li>Shale: greenish; marly in part;</li> <li>LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.</li> <li>LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>HUSHPUCKNEY 4287 (-1549)</li> <li>Shale: black; carbon.; few chips 4300.</li> <li>LS: md brown; vf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish gray; much marl;</li> <li>LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> </ul>	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. John John John John John John John John						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140'GIP, 30'OIL, 90' GWMCO, 40'MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3'MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. John John John John John John John John						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; S.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; S.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140'GIP, 30'OIL, 90' GWMCO, 40'MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3'MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month in the second sec						4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl;	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140'GIP, 30'OIL, 90' GWMCO, 40'MW; FP:27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3'MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month in the second sec						4350 4350 4250 4200	<ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S.</li> <li>LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S.</li> <li>LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon.; few chips 4258-stop.</li> <li>LS: dense; indistinct;</li> <li>Shale: greenish; marly in part;</li> <li>LS: gray is brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.</li> <li>LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>HUSHPUCKNEY 4287 (-1549)</li> <li>Shale: black; carbon.; few chips 4300.</li> <li>LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish gray; much marl;</li> <li>LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish; N.S.</li> <li>Shale: greenish; S.S.</li> <li>Shale: greenish; S.S.</li> <li>Shale: greenish; race;</li> <li>LS: It grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350.</li> <li>Shale: black; trace;</li> <li>LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350.</li> <li>Shale: green; much marl;</li> </ul>	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140'GIP, 30'OIL, 90' GWMCO, 40'MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3'MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. Join the with the second se						4350 4350 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mod-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: gray in brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: grays; vf-xtal; dense to chalky in part; ro visible porosity; N.S. Shale: greenish; LS: grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; wic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month in the second sec						4350 4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mo-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It gray; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; tru dull fluor; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month and the second se						4350 4350 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mo-stible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: black; carbon; few chips 4258-stop. LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWIMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#.
Www. Join in the second s						4300 4350 4300 4250 4200	<ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S.</li> <li>LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S.</li> <li>LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon.; few chips 4258-stop.</li> <li>LS: dense; indistinct;</li> <li>Shale: greenish; marly in part;</li> <li>LS: gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>HUSHPUCKNEY 4287 (-1549)</li> <li>Shale: black; carbon.; few chips 4300.</li> <li>LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish;</li> <li>LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: grays; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: It grays; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: It grays; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: It grays; mic-vf xtal; dense, platey; no visporosity; N.S.</li> <li>Shale: black; trace;</li> <li>LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350.</li> <li>Shale: green; much marl;</li> <li>LS: It brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S.</li> <li>Shale: green; much marl;</li> <li>LS: as above.</li> <li>Shale: dk gray; marly; 4380, 4390 washes black; time intertered;</li> </ul>	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. which is a start with the start						4350         4300         4200 <th< th=""><th>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.</th><th>DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWIMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.</th></th<>	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWIMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. Jord Jord Jord Jord Jord Jord Jord Jord						4350 4300 4250 4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; mol-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. Jord Jord Jord Jord Jord Jord Jord Jord						0         4350         4300         4250         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; mot-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: gray; indic-vf xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: as above. Shale: care queries porosity; N.S. LS: as above. Shale: care queries marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GVMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
month and the second se						4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor.; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: gray ish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf-xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf-xtal; granular; sli. fos; trc sulfides; poor aparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf-xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf-xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: It brown; mic-vf-xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: green; much marl; LS: it brown; mic-vf-xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part;	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
www.www.www.www.www.www.						4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; md-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. STARK SH 4248 (-1510) Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. HUSHPUCKNEY 4287 (-1549) Shale: greenish; marly in part; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; wf-xtal; dense, platey; no visible porosity; N.S. Shale: greenish; S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
Www. with and in the second states of the second st						4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mod-course colitic to comoldic; good com porosity; dull fluor; 99. N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon.; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much mart; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; X.S. Shale: greenish; Tat]; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much mart; LS: a above. Shale: green; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: green; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
						4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course collic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oll 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfdes; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor.; 4350. Shale: green; much marl; LS: It brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: green; much marl; LS: a sabove. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW, 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST#2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
						4400         4350         4300         4200 <th< th=""><th>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; wf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: fu grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.</th><th>DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.</th></th<>	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon.; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; wf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: fu grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
						4400         4350         4300         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: site, carbon; few chips 4258-stop. LS: dense; indistinct; Shale: site, carbon; few chips 4258-stop. LS: th gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much mart; LS: as above. Shale: green; much mart; LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; nls. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, part; LS: it brown; mic-vf xtal; dense to chalky in part, sible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4'' BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27:30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-CO: 4262: VIS 51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#.
						4400         4350         4300         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course oolitic to oomoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: gray ish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; vf-xtal; dense, platey; no vis porosity; N.S. Shale: black; trace; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: A brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish brown; mic-vf xtal; dense to chalky; no visible porosity; N.S.	DST#3: Marm, Paw: 4323-4452, BLOW 2" IFP, 3" FFP; 2'OIL, 53 MUD-CO: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM #.
Www. with the second seco							LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sll. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf-xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4250 - 4262 CFS. LS: It gray; mic-vf-xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf-xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf-xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf-xtal; dense, platey; no vis porosity; N.S. Shale: green; much marl; LS: fly arys; mic-vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: it brown; mic-vf-xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf-xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: it brown; mic-vf-xtal; dense to chalky in part, plate; no visible porosity; N.S. LS: it brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: it brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140'GIP, 30'OIL, 90' GWMCQ, 40'MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUD-GO: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#. MUD-C0: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#. MUD-C0: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#. MUD-C0: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.
						4450         4400         4350         4300         4200 <th< th=""><th>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf-xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: site black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; martj in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf-xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: site black; carbon; few chips 4300. LS: md brow; vf-xtal; granular; sli. fos; trc suffdes; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish; LS: grayish brown; mic-vf-xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: th grays; mic-vf-xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: as above. Shale: green; much marl; LS: thrown; mic-vf-xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf-xtal; dense to chalky in part, part; LS: grayish brown; mic-vf-xtal; dense to chalky in part, part; LS: thrown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: grayish brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: grayish brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: thrown; mic-vf-xtal; dense to chalky; no visible porosity; N.S.</th><th>DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCQ, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-C0: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#. MUD-C0: 4262: VIS51, WT 9.5, FIL 8.8, CHL 3k, LCM 1#. MUD-C0: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#. DST#3: Marm, Paw: 4323-4452, BLOW 2" IFP, 3" FFP; 2' OIL, 63' MW, IF9: 28-33, 35-54; SIP: 860-566; HP: 2150-2133. CIRC 15 MIN BEFORE DRILLING.</th></th<>	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mostly dense, platey; sli. chalky in part; no visible porosity; N.S. LS: It gray; vf-xtal; md-course colitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf-xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: site black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; martj in part; LS: grayish brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf-xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: site black; carbon; few chips 4300. LS: md brow; vf-xtal; granular; sli. fos; trc suffdes; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish; LS: grayish brown; mic-vf-xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: th grays; mic-vf-xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: as above. Shale: green; much marl; LS: thrown; mic-vf-xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf-xtal; dense to chalky in part, part; LS: grayish brown; mic-vf-xtal; dense to chalky in part, part; LS: thrown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: grayish brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: grayish brown; mic-vf-xtal; dense to chalky; no visible porosity; N.S. LS: thrown; mic-vf-xtal; dense to chalky; no visible porosity; N.S.	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCQ, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST #2. MUD-C0: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#. MUD-C0: 4262: VIS51, WT 9.5, FIL 8.8, CHL 3k, LCM 1#. MUD-C0: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#. DST#3: Marm, Paw: 4323-4452, BLOW 2" IFP, 3" FFP; 2' OIL, 63' MW, IF9: 28-33, 35-54; SIP: 860-566; HP: 2150-2133. CIRC 15 MIN BEFORE DRILLING.
						4450         4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It brown; vf-xtal; mod-course colitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish brown; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf xtal; granular; sli. fos; trc sulfides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much marl; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; LS: It grays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: greenish; LS: it prays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: green; much marl; LS: grays; vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. Shale: green; much marl; LS: it brown; mic-vf xtal; dense to chalky in part; dull fluor; no visible porosity; N.S. LS: as above. Shale: red/green; marly; 4400 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish-brown; mic-vf xtal; dense to chalky; no visible porosity; N.S. LS: thrown; wf-xtal; dense; trc bright fluor; no visible porosity; N.S. LS: thrown; wf-xtal; dense; trc bright fluor; looks tight; trc dry stain 4450-stop. Trc md-vug wispotted dry stain 30 min. LS: grayish-brown; vf xtal; dense; trc spotted fluor, looks tight; mr dry stain 40	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUD-GO: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#. MUD-CO: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#. MUD-CO: 4262: VIS51, WT 9.3, FIL 72, CHL 3k, LCM 1#. MUD-CO: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#. DST#3: Marm, Paw: 4323-4452, BLOW 2" IFP, 3" FFP; 2' OIL, 63' MW, FP: 28-33, 35-54; SIP: 860-566; HP: 2150-2133. CIRC 15 MIN BEFORE DRILLING.
						4450         4400         4350         4300         4200         4200         4200	LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S. LS: It gray; vf-xtal; mot-fourse collitic to comoldic; good com porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min. LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S. <b>STARK SH 4248 (-1510)</b> Shale: black; carbon; few chips 4258-stop. LS: dense; indistinct; Shale: greenish; marly in part; LS: grayish forowr; vf-xtal; scattered fine com may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS. LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. <b>HUSHPUCKNEY 4287 (-1549)</b> Shale: black; carbon; few chips 4300. LS: md brown; vf-xtal; granular; sli. fos; trc suffides; poor apparent porosity; no coarse calcites; dull fluor; N.S. Shale: greenish gray; much mari; LS: grayish brown; mic-vf xtal; dense, platey; no visible porosity; N.S. Shale: greenish; TS: Shale: greenish; TS: Shale: greenish; SS. Shale: greenish; XS. Shale: greenish; XS. Shale: greenish; XS. Shale: greenish; XS. Shale: green; much mari; LS: ft prays; mic-vf xtal; dense, platey; no vis porosity; N.S. Shale: green; much mari; LS: it brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350. Shale: green; much mari; LS: it brown; mic-vf xtal; dense to chalky in part; trc spotted dry stain; no visible porosity; N.S. LS: as above. Shale: dk gray; marly; 4380, 4390 washes black; Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S. Shale: red/green; marly; 4400 washes red; silty in part; LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S. LS: grayish brown; mic-vf xtal; dense to chalky; no visible porosity; N.S. LS: thrown; wic-vf xtal; dense to chalky; no visible porosity; N.S. LS: thrown; wic-vf xtal; dense; trc bright fluor; looks tight; trc dry stain 4450-stop. Trc md-vug w/spotted dry stain 30 min. LS: dromer-driver-driver-driver-drivere-driver-driver-driver-driver-driver-driver-driver-driver-driv	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARL IN 4262-30 MIN, AND AFTER, CIRC 90 MIN BEFORE DST#2. MUD-C0: 4262: VIS51, WT 9-3, FIL 72, CHL 3k, LCM 1#. MUD-C0: 4262: VIS51, WT 9-5, FIL 8.8, CHL 3k, LCM 1#. MUD-C0: 4398: VIS58, WT 9-5, FIL 8.8, CHL 3k, LCM 2#. MUD-C0: 4398: VIS58, WT 9-5, FIL 8.8, CHL 3k, LCM 2#. MUD-C0: 15 MIN BEFORE DRILLING.
						4450         4400         4350         4300         4200         4200         4200	<ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S.</li> <li>LS: It gray; vf-xtal; mot-course oolitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to grayisy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon; few chips 4258-stop.</li> <li>LS: dense; indistinct;</li> <li>Shale: greenish; mary in part;</li> <li>LS: gray in brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.</li> <li>LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>Shale: black; carbon; few chips 4300.</li> <li>LS: md brown; vf-xtal; granular; sli. fos; trc suffldee; poor apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: trgays; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: grayish thrown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: green; much marl;</li> <li>LS: a sabove.</li> <li>Shale: green; much marl;</li> <li>LS: as above.</li> <li>Shale: red/green; marly; 4380, 4390 washes black;</li> <li>Lme interbeds: md-dk grayish brown; vf-xtal; dense; not; sible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part;</li> <li>LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part;</li> <li>LS: It brown; mic-vf xtal; dense to chalky in part, platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part;</li> <li>LS: thrown; mic-vf xtal; dense to chalky in part; platey; no visible porosity; N.S.</li> <li>Shale: da gray: hore proger part; trc bri</li></ul>	DST#1: J-ZONE, 4208-4234, 26', 4" BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90' GWMCO, 40' MW; FP: 27-30, 36-92, SIP: 726-722; HP: 2094-1995. CIRC 60 MIN BEFORE DRILL AHEAD. DST#2: K-ZONE, 4246-4262, 16', WEAK BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036. MUCH GREENISH MARLIN 4262-30 MIN. AND AFTER, CR: 90 MIN BEFORE DST#2. MUD-C0: 4262: VIS51, WT 9.3, FIL 7.2, CHL 3k, LCM 1#. MUD-C0: 4398: VIS58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#. DST#3: Marm, Paw: 4323-4452, BLOW 2" IFP, 3" FFP; 2' OIL, 63' MW, FP: 28-33, 35-54; SIP: 860-566; HP: 2150-2133. CIRC 15 MIN BEFORE DRILLING.
						4450         4400         4350         4300         4200 <th< th=""><td><ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S.</li> <li>LS: It gray; vf xtal; mot-ourse oolitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to graylsy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon; few chips 4258-stop.</li> <li>LS: grays in brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.</li> <li>LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>HUSHPUCKNEY 4287 (-1549)</li> <li>Shale: black; carbon; few chips 4300.</li> <li>LS: md brown; vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>Shale: por apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish; much mart;</li> <li>LS: graysis thrown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: it gray; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: grays: vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350.</li> <li>Shale: green; much mart;</li> <li>LS: as above.</li> <li>Shale: green; much mart;</li> <li>LS: as above.</li> <li>Shale: red/green; marly; 4380, 4390 washes black;</li> <li>Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; n</li></ul></td><td>DST#1: J-ZONE, 4208-4234, 26', 4"         BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90'         GWMCO, 40' MW; FP: 27-30, 36-92, SIP:         726-722; HP: 2094-1995.         CIRC 60 MIN BEFORE DRILL AHEAD.         DST#2: K-ZONE, 4246-4262, 16', WEAK         BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036.         MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST#2.         MUD-C0: 4262: VIS 51, WT 9.3, FIL 72, CHL 3k, LCM 1#.         MUD-C0: 4262: VIS 51, WT 9.3, FIL 72, CHL 3k, LCM 1#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.</td></th<>	<ul> <li>LS: It brown; mic-vf xtal; dense; no visible porosity; scattered dull fluor; N.S.</li> <li>LS: It gray; vf xtal; mot-ourse oolitic to comoldic; good oom porosity; dull fluor; 99% N.S., trc spotted dry stain; 4228-30 min. Trc oil 4234-30 min.</li> <li>LS: gray to graylsy-brn; mic-vf xtal; sli. chalky; no visible porosity; N.S.</li> <li>STARK SH 4248 (-1510)</li> <li>Shale: black; carbon; few chips 4258-stop.</li> <li>LS: grays in brown; vf-xtal; scattered fine oom may be J-float; otherwise poor porosity; N.S., 4258 - 4262 CFS.</li> <li>LS: It gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>HUSHPUCKNEY 4287 (-1549)</li> <li>Shale: black; carbon; few chips 4300.</li> <li>LS: md brown; vf xtal; dense to chalky in part; no visible porosity; N.S.</li> <li>Shale: por apparent porosity; no coarse calcites; dull fluor; N.S.</li> <li>Shale: greenish; much mart;</li> <li>LS: graysis thrown; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: it gray; mic-vf xtal; dense, platey; no visible porosity; N.S.</li> <li>Shale: greenish;</li> <li>LS: grays: vf-xtal; dense to chalky in part; trc spotted dry stain; no visible oil; only dull fluor; 4350.</li> <li>Shale: green; much mart;</li> <li>LS: as above.</li> <li>Shale: green; much mart;</li> <li>LS: as above.</li> <li>Shale: red/green; marly; 4380, 4390 washes black;</li> <li>Lime interbeds: md-dk grayish brown; vf-xtal; dense; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; no visible porosity; N.S.</li> <li>Shale: red/green; marly; 4400 washes red; silty in part; platey; n</li></ul>	DST#1: J-ZONE, 4208-4234, 26', 4"         BLOW; 5-15-30-60; 140' GIP, 30' OIL, 90'         GWMCO, 40' MW; FP: 27-30, 36-92, SIP:         726-722; HP: 2094-1995.         CIRC 60 MIN BEFORE DRILL AHEAD.         DST#2: K-ZONE, 4246-4262, 16', WEAK         BLOW, 5-15-15-30; 3' MUD; FP: 21-22, 20-22; SIP: 71-284; HP: 2123-2036.         MUCH GREENISH MARL IN 4262-30 MIN. AND AFTER, CIRC 90 MIN BEFORE DST#2.         MUD-C0: 4262: VIS 51, WT 9.3, FIL 72, CHL 3k, LCM 1#.         MUD-C0: 4262: VIS 51, WT 9.3, FIL 72, CHL 3k, LCM 1#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.         MUD-C0: 4398: VIS 58, WT 9.5, FIL 8.8, CHL 3k, LCM 2#.

	F∃ ●		LS: grayish brown; trc spotted fluor, no visible oil;	
			4495.	
			Shale: black; carbonaceous; many chips 4500.	
FT SCOTT			FT. SCOTT 4494 (-1756)	
		8	LS: md-dk grayish brown; vf-xtal; dense, platey;	
		45(	almost no fluor; no visible porosity; N.S.	
			LS: It brown; mic-vt xtal; dense to chalky in part; no visible porosity; dull fluor: NS 4520	
			IS: dk gravish brown: vf-xtal: dense: sli cherty: no	
			visible porosity; N.S.	
			CHEB, SH 4520 (-1782)	
			Lo. n-brown; mic-vi xtal; cnalky; duil fluor; poor apparent porosity: N.S.	
			LS: It-md brown; mic-vf xtal; sli. fos; tight pin-point	
	·F		apparent porosity: N.S.	
			I Ci lé én deuk hun minadi, minadi sérénik manéhi daman	
			LO. II to dark brn mixed; miC-VI Xtal; mostly dense; no visible porosity: w/dark shales: N S	
		_	no visible perosity, waark shares, N.o.	MUD-CO: 4550: VIS 59, WT 9.3, FIL 8.0, CHL 3300,
		550		Lom Lπ.
		4		DST#4: CHEB: 4519-4586 1/2" IEP NO
			IS: It-dk gravish brn mixed: vf-xtal: trc fluor in	BLOW FFP; 5-15-15-30; REC: 4' MUD; FP:
	●		chalky portion; trc dry stain; no visible oil;	21-21, 20-21; SIP: 121-275; HP: 2284-2261.
4568	<u> </u>		Sand: gray to brown; vf-grain; mod cem; looks dirty;	
			no live oil: only sli cut: 4568-45m thru 4580 circ	
	· · · · · · · · · · · · · · · · · · ·		faint odor at trap 30m.	
	· · · · · · · · · · · · · · ·			
4580			Sand: white; vf-grain; mod cem; tight; no acid	
	· · · · · · · · · · · · · · · · · · ·			
			LS: It brown, cream; vf-xtal; oolitic; sli. chalky; trc	STRONG TURBULENT WIND WHEN DRILLING AHEAD FROM 4586 TO RTD MAKES HAVOC W/ITH
			chert; sli. fos; no visible porosity; N.S.	GEOLOGRAPH & IRRATIC DRILL TIME.
SPERGEN			MISS 4591 (-1853)	
	<del>ŹŹ</del> F-●	8	DOL: It-md brown: vf-f xtal: calcitic: granular in part	
0 ROP 15		46	fos in part; fair int xtal porosity; scattered bright	
	$\frac{1}{1}$		fluor & stains; crush sli. show oil; 1-2% 4620.	
			DOLL on above but with much do served divers a	
			DUL: as above but with much decreased fluor & show only trace fluor at 4630	
			Show, only have have at 7000.	
	<del></del>		DOL: as above with no visible shows at 4640	
			sample.	
	<del>, , ,</del>			COULD NOT TRUST GEOLOGRAPH SO STRAPPED
			DOL: as above with no visible show or fluor at	
	<u> </u>		4640-30 CFS.	
4640				
				MIDWEST WIRELINE LTD 4642'
FEB 4, 2021				
		650		
		4		

RILOBITE	**************************************	Test Ticket
IESTING INC. 4/10 IS15 Commerce Parkway • H	lays, Kansas 67601	<b>NO.</b> 66813
Well Name & No. Selfridge #2-11 Company Talon Group, LLC	Test No. Elevation	$\frac{1}{2738} = \frac{1/31/2021}{KB - 2728} = GL$
Address <u>PO Box 700 Hays</u> , Kg Co. Rep/Geo. <u>Vern Schrag</u> Location: Sec. <u>11 Twp 185 Re</u>	<u>67601</u> Rig_S 1e28wiCoLa	wind 8 State KS
Interval Tested $4708 - 4234$ Anchor Length $26'$	Zone Tested <u>LKC</u> J Drill Pipe Run <u>4195</u>	Mud WI. <u>9.2</u>
Top Packer Depth <u>4203</u> Bottom Packer Depth <u>4208</u>	Drill Collars Run Ø	
Total Depth 4234 Blow Description IF' 3.9 "blow	Chlorides 2400	_ppm System LCM _2 #
TSI: Movelurn.		

أربي

.

-

• •

and a new rest of the state of the

<u> </u>	+ 000				
FSI: 1.	5ª return.				
Rec <u>30</u> Feet of <u>0</u>	1	%gas	100%oil	%water	%mud
Rec <u>9()</u> Feet of <u>6</u>	NWCO	1()%gas	46%oii 3	<u> 30 %water 20</u>	%mud
Rec4() Feet of	1cin -7dm -Et	2 %gas	<u>%oil</u>	80 %water 20	%mud
Rec Feet of	140'GIP	%gas	%oil	%water	%mud
Rec Feet of	, ,,	%gas	%oil	<u>%water</u>	%mud
Rec Total Bl	HT 120 Gravity 3/	API RW <u>358_@</u>	<u>42</u> °F Ch	lorides <u>33.00</u>	≯_ppm
(A) Initial Hydrostatic 202	14 🗡 📜 🗡 Test	<u> </u>	T-On Locati	ion <u>1900</u>	
(B) First Initial Flow	27 U Jars		T-Started _	1925	
(C) First Final Flow	Solution Safety Joint		T-Open	2200	
(D) Initial Shut-In $\underline{-}2$	<u>6</u> <u>Circ Sub</u>		T-Pulled	2350	
(E) Second Initial Flow	6 D Hourly Stand	by	T-Out	0218	
(F) Second Final Flow	A Mileage		Comments		
(G) Final Shut-In 72	2_2 © Sampler				<u> </u>
(H) Final Hydrostatic	1 <u>5</u> <b>D</b> Straddle				
	C Shale Packer	, 	<b>Q</b> Ruined	Shale Packer	
Initial Open	C Extra Packer		C Ruined	Packer	



Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss-solvered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

-

•

- ·



Trilobite Testing, Inc

.

.

٠



Serial #: 8522



Printed: 2021.02.01 @ 02:38:48

Setfridge #2-11

DST Test Number: 1

•

• ' 

•

.

• .

L

-Т

•

I.

1

.

•

.

•

r

	DRILL STEM 1	EST REP	ORT	•·
TECTINIC "	Talon Group, LLC	Talon Group, LLC		Ks
	PO Box 700 Hays, Ks 67601		Selfridge #2-11 Job Ticket: 66813	DST#·1
	ATTN: Vern Schrag		Test Start: 2021.01.31	@ 19:25:00
GENERAL INFORMATION:	<b></b>		·	
Formation:LKC JDeviated:NoWhipstockTime Tool Opened:22:00:30Time Test Ended:02:17:30	ft (K8)	·	Test Type: Convention Tester: Bradley V Unit No: 78	onal Bottom Hole (Initial) Valter
Interval:4208.00 ft (KB) ToTotal Depth:4234.00 ft (KB) (Hole Diameter:7.88 inches H	<b>4234.00 ft (KB) (TVD)</b> TVD) ole Condition: Good		Reference Elevations:	2738.00 ft (KB) 2728.00 ft (CF)
Sorial #. 9522 Incide			KB to GR/CF:	10.00 ft
OctoberOo22InsidePress@RunDepth:92.15 psigStart Date:2021.01.31Start Time:19:25:00	@ 4209.00 ft (KB) End Date: End Time:	2021.02.01 02:17:30	Capacity: Last Calib.: Time On Btm: 2021.01.3	8000.00 psig 2021.02.01 1 @ 22:00:15

.

## TEST COMMENT: 05- IF: 3.9" blow . 15- ISI: No return. 30- FF: 22.7" blow .

۰.

·

60- FSI: 1.5" return.



mobile resting, inc	Ref. No: 66813	Printed: 2021.02.01 @ 02:38:4
0.00 140' GIP	0.00	
30.00 oil 100o	0.42	

-. **Ç** 

i 7

. . . · · ·

• •

RILOBITE		Test 1	<b>'icket</b>	
IS15 Commerce Parkwar	y • Hays, Kansas 67601	NO.	66814	
Well Name & No. Selfvidge #2-1 Company Tolon Group, LLC Address PO Box 200 Ha	Test No Test No Elevation $K_{S} = \frac{1}{\sqrt{7}} \left( \frac{1}{\sqrt{7}} \right)$	2 2738	ate <u>2/0//200</u> KB <u>2728</u>	2 / GL
ADDIESS 10 100 700 700	$\frac{1}{1} \xrightarrow{1} \frac{1}{1} \xrightarrow{1} \xrightarrow{1} \frac{1}{1} \xrightarrow{1} \xrightarrow{1} \xrightarrow{1} \xrightarrow$	Southwind &		
	$\frac{1}{2} = \frac{1}{2} $	~~~ <u>~~</u>	State K5	
Location: Sec wp				
Interval Tested 4246-4262	Zone Tested <u>LKC - K</u>			-
Anchor Length	Drill Pipe Run <u>4227</u>	Mu	id Wt. <u>9,3</u>	
Top Packer Depth4241	Drill Collars Run	Vis	<u> </u>	
Bottom Packer Depth <u>L1246</u>	Wt. Pipe Run 🖉	Wi		
Total Depth 42.62	Chiorides <u>3000</u>	_ppm System LC	м_24	
Blow Description IF 12 6100	······································			
IST No reform.				
FF Noblow				
• FST No veturn.		<b>.</b>	۰ ،	
Rec Feet of	%gas	%oil	%water /(	<u>)/)%mud</u>
Rec Feet of Se	ouls <u>%gas</u>	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas_gas_gas_gas_gas_gas_gas_gas_gas_gas_	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Total 3 BHT	GravityAPI RW	@ °F CI	hlorides	ppm
(A) Initial Hydrostatic <u>2123</u>	\Q	T-On Local	lion $_{1045}$	·
(B) First Initial Flow 21	<b>D</b> Jars	T-Started	11.17	
(C) First Final Flow 22	Safety Joint	T-Open	1309	
(D) Initial Shut-In 7	D Circ Sub	T-Pulled	1416	
(E) Second Initial Flow 2 か	Hourly Standby	T-Out	1610	
(F) Second Final Flow 2.7		Comments	, 	
(G) Final Shut-In $\mathcal{O} \mathcal{R} \mathcal{U}$		, 		<u> </u>
(U) Final Hydrostatic $20.7$	u sampier			
	U Straddle	— )⊈́ EM ™	ol	<u></u>
	Shale Packer	O Ruined	Shale Packer	
JUDBU VOBU	L Evito Dodkor			

----



Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





Printed: 2021.02.01 @ 16:21:14

Ref. No:

Trilobite Testing, inc

•

•

	DRILL STE	M TEST REPORT	
	Talon Group, LLC	11 18s	28w Lane Ks
ESTING	, INC. PO Box 700	Selfrid	ge #2-11
	Hays, Ks 67601	Job Ticke	et: DST#: 2
	ATTN: Vern Schrag	g Test Star	t: 2021.02.01 @ 11:17:00
GENERAL INFORMATION	:  :		
Formation: LKC- K			
Deviated: No Whip	ostock: ft (KB)	Test Typ	e: Conventional Bottom Hole (Reset)
Time Tool Opened: 13:09:00		Tester:	Bradley Walter
Time Test Ended: 16:09:45		Unit No:	78
Interval: 4246.00 ft (KB)	To 4262.00 ft (KB) (TVD)	Reference	e Elevations: 2738.00 ft (KB)
Total Depth: 4262.00 ft	(KB) (TVD)		2728.00 ft (CF)
Hole Diameter: 7.88 inc	chesHole Condition: Good		KB to GR/CF: 10.00 ft
Serial #: 8522 Inside	e	• • • • • • • • • • • • • • • • • • • •	
Press@RunDepth: 22.1	19 psig @ 4247.00 ft (KB)	Capacity:	8000.00 psig
Start Date: 2021	1.02.01 End Date:	2021.02.01 Last Calib.:	2021.02.01
Start Time: 11	1:17:00 End Time:	16:09:45 Time On Btm	2021.02.01 @ 13:08:15
		Time Off Btm:	2021.02.01 @ 14:17:00

.

## TEST COMMENT: 05- IF: 1/2" blow 15- ISI: No return 15- FF: No blow

30- FSI: No return



	<b>.</b>			
	1 /			
	1			
	<b></b> ′			
	1 '			
	1			
	Г — · · · · · · · · · · · · · · · · · ·			
	1			
	1			
	1 /			
	4 '			
	<b>*</b>			
covery trant multiple tests				

Trilobite Testing, Inc

Ref. No:

Printed: 2021.02.01 @ 16:21:13

3

•

<b>TRILOBITE</b> <b>JESTING INC.</b> 1515 Commerce Parkway	• Hays, Kansas 67601	μ sampar - sealain de grande de la	<b>Test Ti</b> NO. 6	cket 6815	
Well Name & No. Selfridge #2- Company Talon Group, LLC Address 10 Box 700 Hays, Ks Co. Rep/Geo. Vern Schvag	11 127601	Test No. <u>3</u> Elevation <u>273</u> Rig <u>Sodhu</u>	Date 38K8 Jin & &	02/02/20	2/GL
Location: Sec.       11       Twp       185         Interval Tested       4323 - 4452         Anchor Length       129         Top Packer Depth       4323         Bottom Packer Depth       4323         Total Depth       4452         Blow Description       TF         1.9"       blow	Rge. <u>78</u> ( Zone Tested <u>Mav</u> Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides <u>3,000</u>	50. <u>Lune</u> malou 4322 <u>S</u> ppm Sys	Mud W Vis WL stem LCM	State $\underline{KS}$ $n. \underline{9, 5}$ 58 8, 0 $2^{\pm}$	
<u>ISI No return</u> <u>FF 3.6" blow</u> <u>FSI No return</u> <u>Rec 2 Feet of Oil</u> <u>Rec 63 Feet of Mcw (o:</u>	lspots)	%gas //)/) %gas	%oil %oil	%water 20	%mud
Rec         Feet of           Rec         Feet of           Rec         Feet of		%gas %gas %gas	%0il %0il %0il	%water %water %water	%mud %mud %mud
Rec Total $(Q)$ BHT $113$ (A) Initial Hydrostatic $2150$ (B) First Initial Flow $28$ (C) First Final Flow $33$ (D) Initial Shut-In $860$ (E) Second Initial Flow $35$ (F) Second Final Flow $54$ (G) Final Shut-In $566$ (H) Final Hydrostatic $2133$	Gravity API   Ø< Test	RW <u>252</u> @ 4	F Chlori T-On Location T-Started T-Open T-Out Comments	ides <u>44</u> ,00 1600 1624 1826 2018 2230	
Initial Open	G Shale Packer	/	Ruined Sh	ale Packer	

.

۰.

, P



Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

`~`

Ref. No: 66815



•

!

Serial #: 8522

Inside

Talon Group. LLC

Selfridge #2-11

÷

۰,

.

DST Test Number: 3

-

.

· •

	DRILL STEM TEST REPORT						
HILUBITE	Talon Group, LLC PO Box 700 Hays, Ks 67601 ATTN: Vern Schrag		11 18s 28w Lane Ks				
ESTING, INC			Selfridge #2-11 Job Ticket: 66815		DST#: 3	DST#: 3	
			Test Start: 2021.02.02 @ 16:24:00				
GENERAL INFORMATION:		· · · · · · · · · · · · · · · · · · ·					
Formation: Marmaton							
Deviated: No Whipstock:	ft (KB)		Test Type:	Conventiona	al Bottom Hol	e (Reset)	
Time Tool Opened: 18:28:30			Tester:	Bradley Wal	ter		
Time Test Ended: 22:30:00			Unit No:	78			
Interval: 4323.00 ft (KB) To 44	52.00 ft (KB) (TVD)		Reference	Elevations:	2738.00	ft (KB)	
Total Depth: 4452.00 ft (KB) (TV	/D)				2728.00	ft (CF)	
Hole Diameter: 7.88 inches Hole	Condition: Good		K	B to GR/CF:	10.00	ft	
Serial #: 8522 Inside							
Press@RunDepth: 54.67 psig	@ 4324.00 ft (KB)	;	Capacity:		8000.00	psig	
Start Date: 2021.02.02	End Date:	2021.02.02	Last Calib.:		2021.02.02		
Start Time: 16:24:00	End Time:	22:30:00	Time On Btm:	2021.02.02 (	@ 18:28:15		
			Time Off Btm	2021.02.02 (	@ 20:24:15		

## TEST COMMENT: 05- IF: 1.9" blow . 15- ISI: No return. 30- FF: 3.6" blow . 60- FSI: No return

.

•



* Recovery from multiple tests	
Trilobite Testina, Inc	Ref. No: 66815

7

.

•

Printed: 2021.02.02 @ 22:44:19

L.

.

•

RILOBITE		 -	Test Tic	ket	
4/10 ESTING INC.	• Hays, Kansas 67601		NO. 60	6816	
Well Name & No.Selfridge#2CompanyTalonGroopLLCAddressPOBox700HaysAddressPOBox700HaysCo. Rep / Geo.VevnSchragLocation: Sec.11Twp18sInterval Tested45194586Anchor Length67Top Packer Depth4514Bottom Packer Depth4519Total Depth151Blow DescriptionIFSINoreturn,	Ks 67601 Rge. 28 W c Zone Tested Che Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides330	Test No. <u>4</u> Elevation <u>273</u> Rig <u>Southu</u> to. <u>Lane</u> 20kee tS13 0 20 ppm System	Date 78KB 	$\frac{02/03/20}{2728}$ State <u>K5</u> $\frac{9,3}{59}$ 8,0 2#	
<u>FF</u> <u>Noblow</u> <u>FST</u> <u>No</u> <u>return</u> <u>Rec. 4</u> <u>Feet of</u> <u>Mud</u>		%gas	%oil	%water 100	/ %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	_%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>U</u> BHT116(A) Initial Hydrostatic2784(B) First Initial Flow21(C) First Final Flow21(D) Initial Shut-In121(E) Second Initial Flow20(F) Second Final Flow21(G) Final Shut-In275(H) Final Hydrostatic2261	Gravity API		F Chlorid T-On Location T-Started T-Open T-Out T-Out Comments	Jes 1900 44-1528 1726 1726 1832 2033	
Initial Open	C Evtra Backer		Ruined Sha	ale Packer	<u> </u>



• . • 

-.

•

. , . • -. .



Serial #: 8319

· • •

Outside Talon Group, LLC



٠



8



Printed: 2021.02.03 @ 20:44:25

- ب<del>وا</del>در

. ...

-

-

.

.

•

.

.

.

.

•



		DRILL STEM T	EST REPO	DRT			
HILUDITE		Talon Group, LLC		11 18s 2	Bw Lane Ks	<del>, ,</del>	
ESTING, INC.	ESTING, INC.	PO Box 700 Hays, Ks 67601		Selfridge #2-11			
				Job Ticket:	66816	DST#:4	ļ
		ATTN: Vern Schrag		Test Start: 2021.02.03 @ 15:44:00			
GENERAL INFO	ORMATION:						
Formation:	Cherokee						
Deviated:	No Whipstock:	ft (KB)		Test Type:	Conventiona	I Bottom Hol	e (Reset)
Time Tool Opened:	17:30:00			Tester:	Bradley Wat	ter	
Time Test Ended:	20:33:15			Unit No:	78		
Interval: 45	19.00 ft (KB) To 45	86.00 ft (KB) (TVD)		Reference	Elevations:	2738.00	ft (KB)
Total Depth:	4586.00 ft (KB) (TV	/D)				2728.00	ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Good		K	B to GR/CF:	10.00	ft
Serial #: 8319	Outside						·
Press@RunDepth:	21.15 psig (	@ 4520.00 ft (KB)		Capacity:		8000.00	psig
Start Date:	2021.02.03	End Date:	2021.02.03	Last Calib.:		2021.02.03	
Start Time:	15:44:00	End Time:	20:33:15	Time On Btm	2021.02.03 (	@ 17:29:45	
				Time Off Btm	2021.02.03 (	@ 18:38:30	

# TEST COMMENT: 05- IF: 1/2" Blow . 15- ISI: No return. 15- ISI: No return. 30- FSI: No return.



_				
				í.
	1		/	6
L			/	Ĺ
Г	· · · · · · · · · · · · · · · · · · ·			1
	1 1		/	É.
	1 1			Ĺ
ŀ	┣────→			ł
	1 1		/	1
	1 1		/	1
Ľ	[		//	L
				í
	1 1			i
	1 1		/	ĺ
. <del>F</del>			,	é.
•	* Recovery from multi/	ple tests		
			<u> </u>	

Trilobite Testing, Inc.

### Ref. No: 66816

## Printed: 2021.02.03 @ 20:44:25

÷

• \*

COUNTY/PARISH     STATE     CITY       PIG NAME/NO.     SHIPPED     DELIVERED TO       B PURPOSE     SURPEC     DELIVERED TO       B VIRPED     DELIVERED TO     VIRPED       B VIRPES     SURPEC     WELL PERMIT NO.       SIAMUSW     SBRERACE     1115       SIAMUSW     SURVEY     AGREE       NENT TO:     OFFOURNEW PERFORMED     117200       VIE     SIAMUSE     2       AVAGE     1172     2       OFFOURNEW PERFORMED     117200       VIE     SIAMUSE     3       SURVEY     AGREE     1172       OFFOURNEW WAS     2     2       CESS, INC.     OFFOURNEW WAS     3       VE OPERATED THE SOUPNEW     VIE     3       VIE     OFFORMED WAS     3       VE OPERATED THE SOUPNEW     VIE     3       VIE     OFFORMED WAS     3     3 <th>ADDRESS CHARGE TO: TALON GROUP FROM A FROM</th>	ADDRESS CHARGE TO: TALON GROUP FROM A FROM
AGREE OS SKS OF THE PERMIT NO Marterials an materials and sets of the sets of	

ATE -27-2021 HDER NO. LLOCATION Lane n this ticket. PAGE TOTAL 1 925/00 <u>055</u> TOTAL PRICE HGHTON, KS 00 04 42 00 30 00 1350 Cla al 300 500 PAGE 185 00 Thank You! \_\_\_ OWNER 4392 -465 53 • 4655 25 SAME 2362,50 250 00 323/75 ရှ 925/00 320 00 AMOUNT 150 00 15000 <u>00 00</u> 00,48 44 60

TICKET

<u>OB Ľ</u>	OG		— , <u>—</u>			SWIT	T Ser	wices. Inc.	DATE PAGE
USTON	I Ganul	D	WELL NO.		-	LEASE		JOB TYPE	ICKET NO.
CHART NO.	TIME	RATE (BPM)	VOLUME		IPS	PRESSI	<u>LUGE</u> Jre (PSI)		033486
	0020				_ <u>C</u>		CASING		NAND MATERIALS
					<u> </u>	<u> </u>	<u> </u>	ON LOCATION	
			+			 	<u>+</u>		
								TD - 262	
						:		R5/0-22#	<u> </u>
								25' CEMENT LEGT L COM	
<b></b> _	<u> </u>							NO COTON LEFT LN CASL	
<u> </u>									
	0845		┼───┤			<u> </u>	·	BREAK CORCULATION	
				_,			· · · · · · · · · · · · · · · · · · ·		1/4 # FLO
	0940	472	421/2		<b>v</b>		200	MAX CEMENT - 1755KS STD,	2% GEL, 3% CC,
	09.50	<u> </u>							
				-+	×		300	ULSPLACE CEMENT	
	0953							SHUT IN WORLD	<u>.</u>
		<b></b>	<u> </u>					CARCULATED ID SKS CEME	TTO PET
								WASH TRUCK	· · · · · · · · · · · · · · · · · · ·
	0011				$\rightarrow$			JOB COMPLETE	- - -
-	··						<u>.</u>		
$\rightarrow$			<u>.                                 </u>		-				<u>_</u>
								TLANK YO	<u>い</u>
— <u> </u>								WAWE, KORBY,	LSAAC
					-+	—		,,	
Ţ			·		[_				<u>_</u>



<u>\_\_\_\_</u>

- - - -

•

<u>. \_ . . . . \_ .</u>

SWIFT OPERATOR SWIFT OPERATOR SWIFT OPERATOR AUTER AUTER AUTER AND AUTER AND	A-4-2021 11:45 PM		MUST BE SIGNED BY CUSTOMER OF GOODS	but are not limited to, PAYMENT, RELEASE, INDEMNITY, an LIMITED WARRANTY provisions.	LEGAL TERMS: Customer hereby acknowledges and agrees the terms and conditions on the reverse side hereof which include	583					578	676	PRICE SECONDARY REFERENCE/ ACCOUN PART NUMBER LOC ACC	INVOICE INSTRUCTION		3. SERVICE South	2. Ness Light KS WELLPROJECT NO.	SERVICE Inc.		
PPROVAL		NESS CITY, KS 67560 AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	SWIFT SERVICES, INC. OUR SERVICE WAS DO DOV AND WE OPERATED THE FOLIDMENT	NG, WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS?	TO REMIT PAYMENT TO DIRECTIONENT DEBECONNER	Drayage CHARGE 24mas No.		Rotatina Head Rewman 41/2 IN		Mud Hush	Rimp Charge - Lown String		VTING DESCRIPTION		WELL CATEGORY JOB PURPOSE USA WELL PERMIT NO	NUND RIG NAME/NO. SHIPPED DELIVERED O	LEASE 10/10/09 COUNTY/PARISH STATE CITY DOWN AND STATE CITY DOWN AND STATE CITY DOWN AND STATE CITY	CITY, STATE, ZIP CODE	ADDRESS	CHARGE TO:
rvices listed on					CIDED DISAGREE	200 St			2 100	W Gal	- <u>1</u>	OTY. U/M			N.					



									292	176	276	292	582	<u>188</u>	325		PRICE	
		·															SECONDARY REFERENCE/ PART NUMBER	
		 	 	 							~~~	~		-	 -	 		
																		ox 466 KS 67 798-2
			 	 	 											······	DF DF	80 55 50 55
0.2	2	 		 	 	 											TINE	
HAR	ERVIC									$\mathcal{O}$		H	ŝ	0				2

\$

-

TICKET	
CONTINUATIO	

II SIS ION MILES OTV UM OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV OTV		E TOTAL WEIGHT LONDED MILES	ECHARGE								-A.	ISONITE	locele	4LAD 322	NA NA	AlseAL	TANDARD CMT		DESCRIPTION	TALON CIRCUP	
	CONTINUAT	YON MILES	CUBIC FEET								Jane Jane	1 112511bs	501 105	200 lbs	1 100 1/5:	II ska	2156C		QTY UN OTY UN	WELL 2-11 0	

TICKE

OTAL	 	 -	 	 						H2		S	8	Ø	40	51	2	PRICE	4-2	5
		 	 			 	ļ		<u> </u>	<u> </u>	P	18	13	125	18	Ń			R.a	N N N
7134.		 								1216	1406	163	0051	278	440	2051	2	AMOUN	Proc.	659
[J]									Ť-	[8	Tes -	BT (	S S	B	18		8	्र - -	ຶ	

÷, JOB LOG SWIFT Services. Inc. DATE PAGE NO. 4-2021 CUSTOMER LEASE Selfridge WELL NO. TALON Group JOB TYPE TICKET NO Long String 4/2 CHART RATE TIME PUMPS VOLUME PRESSURE (PSI) NO. (BPM) (BBL) (GAL) DESCRIPTION OF OPERATION AND MATERIALS C TUBING CASING 0810 ON LOCATION 2015 ); 4.640 BALL - CICCULATE Drop 2030 Г Puno GAL Muel 2130 D la 7-5 ROD Plua 30 2145 42 Real 300 Mix Remaining 175 sts of EA-2 @ 16.5 ppg 2215 WASH P+L -Release LATCH down Plug a a a 2200 6/4 Begin Displacement Lift Pressure MAX Lift Pressure 15 44 4X 0 loF. 9D 2232 66.6 1600 LAND LATCH Clown Plug -Release Hold H -Release 2245 WAShup Tre# 115 2330 Job Complete EAZ used Kd5 sks  $\mathcal{C}$ 



\_\_\_\_\_ **146**\_\_\_\_\_

Judien Judie	SWIFT OPERATOR		In Signed TIME SIGNED DAN		Must be signed by customer or customer's agent prior to Start of work or delivery of goods.	LIMITED WARRANTY provisions.	but are not limited to, PAYMENT, RELEASE. INDEMNITY	LEGAL TERMS: Customer hereby acknowledges and agree	1	<u>581</u>			290	275	276	222	6 160	575	REFERENCE PART NUMBER LOC A	PRICE CONTRACT INVOICE INSTRUCTION	A. REFERRAL LINCATION	3. SERVICE CL	2. Ness City KS WELL/PROJECT NO.	SERVICE LOCATIONS		SNFT
	APPROVAL		M. 785-798-2300	NESS CITY, KS 67560				es to DENNIT DAVANTAT TO	Drevens	CMT Service Charge		U-Hir	Cotton Seed Hull	Flocele	SMD Cement		Rump Charcas - Bold Co	MILEAGE TE # 115	ACCT DF DESCRIPTION	IS	Development Dub PURPOSE	WELL CATEGORY LINE MANIE/NO.	CTOR LEASE Solfridge COUNTY/PARISH	CITY, STATE, ZIP CODE	ADDRESS LALON ( TICAL)	CHARGE TO:
	ledges receipt of the materials and services listed on the time of the materials and services listed on the time of the materials and services listed on the time of time of time of the time of time of time of the time of time	CUSTOMER DID NOT WISH TO RESPOND	ARE YOU SATISFIED WITH OUR SERVICE?	AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT	ME UNDERSTOOD AND MET YOUR NEEDS?	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? P/	SURVEY AGREE UNDECIDED DISAGREE		2/2/		2 001	36	75 11							WELL PERMIT NO. WEL		STATE CITY KS Dightan DA			

•



2 N -JOB LOG SWIFT Services. Inc. DATE PAGE NO. 2-9-2021 CUSTOMER WELL NO. #2 LEASE Selfridge TALON GINOUD JOB TYPE TICKET NO. Port CollAR 33661 CHART TIME RATE VOLUME PUMPS PRESSURE (PSI) NO. (BPM) (BBL) (GAL) DESCRIPTION OF OPERATION AND MATERIALS C TUBING CASING 1200 <u>ON</u> Location 21/1" x 4 1/2" PC: 2087 1215 1000 Test \$EDCAE W BS 11XX PSI 6 - Release Pressure 1220 Open PC 3'a 1225 5DÙ INJection RATE •3/2 12.X Mrx 180 sks of SMD 1/4#F/0011" pmg 00 60X) A Circulate to Surface to Pas-31/2 1255 Displace CMT 600 7 1300 Close PC 1305 100 P Test to 1000 PSI \* Hold \* Run 5 JES 31/2 1315 25 5U Reverse Clean 1330 Wash up Trk #115 1400 Job Complete 180 sks of SMD 1/4# Flo

