

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1060019

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
	Abd. If yes, show depth set: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from:
	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf. Conv. to ENHR Conv.	to SWD Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Total Depth	
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Two S R East West
ENHR Permit #:	Dermit #:
GSW Permit #:	County Permit #
Spud Date or Recompletion Date Date Reached TD Completion Date	

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					
Letter of Confidentiality Received					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre> Yes □ No Yes □ No Yes □ No</pre>					
List All E. Logs Run:							
		Report all strings set-	conductor, surface, inte	ermediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	λ .	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Befort 1-12
Doc ID	1060019

All Electric Logs Run

Micro	
Sonic	
Dual Induction	
Density/Neutron	

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Tops

Name	Тор	Datum
Top Anhydrite	1444	+734
Base	1486	+692
Topeka	3186	-1008
Heebner	3434	-1256
Toronto	3454	-1276
LKC	3482	-1304
ВКС	3708	-1530
Arbuckle	3824	-1646

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3653' to 3655'	500 gal. 15% Mud Acid	3653' to 3655', 3629' to 3631' and 3638' to 6341'
4	3629' to 3631' and 3638' to 6341'		
4	3526' to 3529'	250 gal. 15% Mud Acid	
4	3507' to 3510'	250 gal. 15% Mud Acid	3507' to 3510'
4	3454' to 3456' and 3457' to 3460'	250 gal. 15% Mud Acid	3454' to 3456' and 3457' to 3460'
		750 gal. 15% INS Acid	3454' to 3456' and 3457' to 3460'
		CIBP	3490'

USTOMER			WELL NO.		1	LEASE	· .	Ces, Inc. Date Page NO. JOB TYPE TICKET NO.
Downe	ng X Nd	SONI	1-12			Befort		Coment 5 /2 Long string 1949.5
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUM T	PS C	PRESSURI TUBING	(PSI) Casing	DESCRIPTION OF OPERATION AND MATERIALS
	0530							On Incation w/ F.E Ris changing over
	0630							start 5'2" 14 #/ At Casing to 3926
								Ingrit Flict She W/ Auto-Pill
								OV.LD. Bettle - 55-1824 @ 3918
								Cent collers 1-3-5-7-9-11-59
								Cut Besket #60 An
								D, U # 60 collar @ 1416'
•								Drep fill up ball & Its ant
	0745							Finish Run casing - Tug bottom
	0750							Start Cite & Rotate Pasing
	0830							Fin cir - 1st stage - Fate on Aled
	0840	6	12				200	Ferres 500 gar Mud Flers 1
		6	20				200	Phang 20 BBI KCC Alush
	0845		(32)					Fin Alushes
							200	Start 150 3ts EA-2 cut
	0855	4	37				150	Fin cust - Washbest Paupthions
	đ	9					300	Drup D. U. LD. Plug - Stert Displ ,
		9					300	(60 H20-20 Mud- 15% KCL Flish)
		8	75				400	Caught pros @ 5-B1 - Stow rate
		61/2	90				500	5/2 vete
1		51/2	93				6200	Stow rate
	7910		951/2				and and	Phus Down - Hold- REkase & Hold
								Diep D.V. Opening clevito
			Ste		Τ	\sim	-	Plus RH 305KS SUND & MEHISSAS SU
		05	3				1150	Open D. V. is its restof ACL flech
		le					250	
		6	75				Vee	
								Drop D. U. Clasing Plus,
·····		4			1		200	Start Displ
		6	15	1	Τ		300	(CISBB) Cat cir to surface
		4	30	1				(230BB)
	0950	·		1			150	Phy Down - D. U. Clard - Hold
	0953						0	Rolease & Hold
	1000				1			The land poto \$0 sks cut CIR
	1000							10) ash up to Realer to Pit
								That's Non, Daw & John
								That's Non, Daw & John

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	Home Office I		ox 32 Rus		7665		No.	4272
Sec.	Twp. Range	(County	State)	On Locat	ion	Finish
Date 5-1.11 12	14 19	E	1115	KS	> >			5.150.m.
A 0 .1	rell No. /-12	Locati	on May	183	15	3/2 W	Nib	to
Contractor Discovery	Υ		Owner U					
Type Job Surface			To Quality Oi	lwell Cemer	nting, Inc. d to rent	cementing equ	Inemai	and furnish
Hole Size 12114	т. д. 220		cementer an	d helper to a	ssist ow	ner or contract	or to do	work as listed.
Csg. 658	Depth 218		Charge To	Down	ving	-Nels	ON	/.
Tbg. Size	Depth		Street		V			,
Tool	Depth		City			State		
Cement Left in Csg/0.15	Shoe Joint		The above wa	s done to sati	isfaction a	nd supervision c	of owner	agent or contractor.
Meas Line	Displace 1314 B	<u> 8<u>B</u> (</u>	Cement Amo	ount Ordered	<u>1 /Sc</u>	2 Com	<u>34</u>	
EQUIPM	IENT BR	1		· · ·		·		-
Pumptrk No. Cementer Helper	2 577 30	ц <u>к</u>	Common /	50				
Bulktrk No. Driver	Dav		Poz. Mix					
Bulktrk No. Driver Driver	Bria	N_{-}	Gel.	3				· · · · · · · · · · · · · · · · · · ·
JOB SERVICES	& REMARKS		Calcium	5				
Remarks:	-		Hulls					
Rat Hole		<u></u>	Salt					
Mouse Hole		· .	Flowseal			<u>, ,</u>		
Centralizers			Kol-Seal			<u>₩</u> ,, =========		
Baskets			Mud CLR 48	3				
D/V or Port Collar	•		CFL-117 or	CD110 CAF	38			
	-////		Sand					
			Handling	158_				
A			Mileage	<u> </u>				
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			Guide Shoe					
			Centralizer					
			Baskets					
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						Total	Charge	

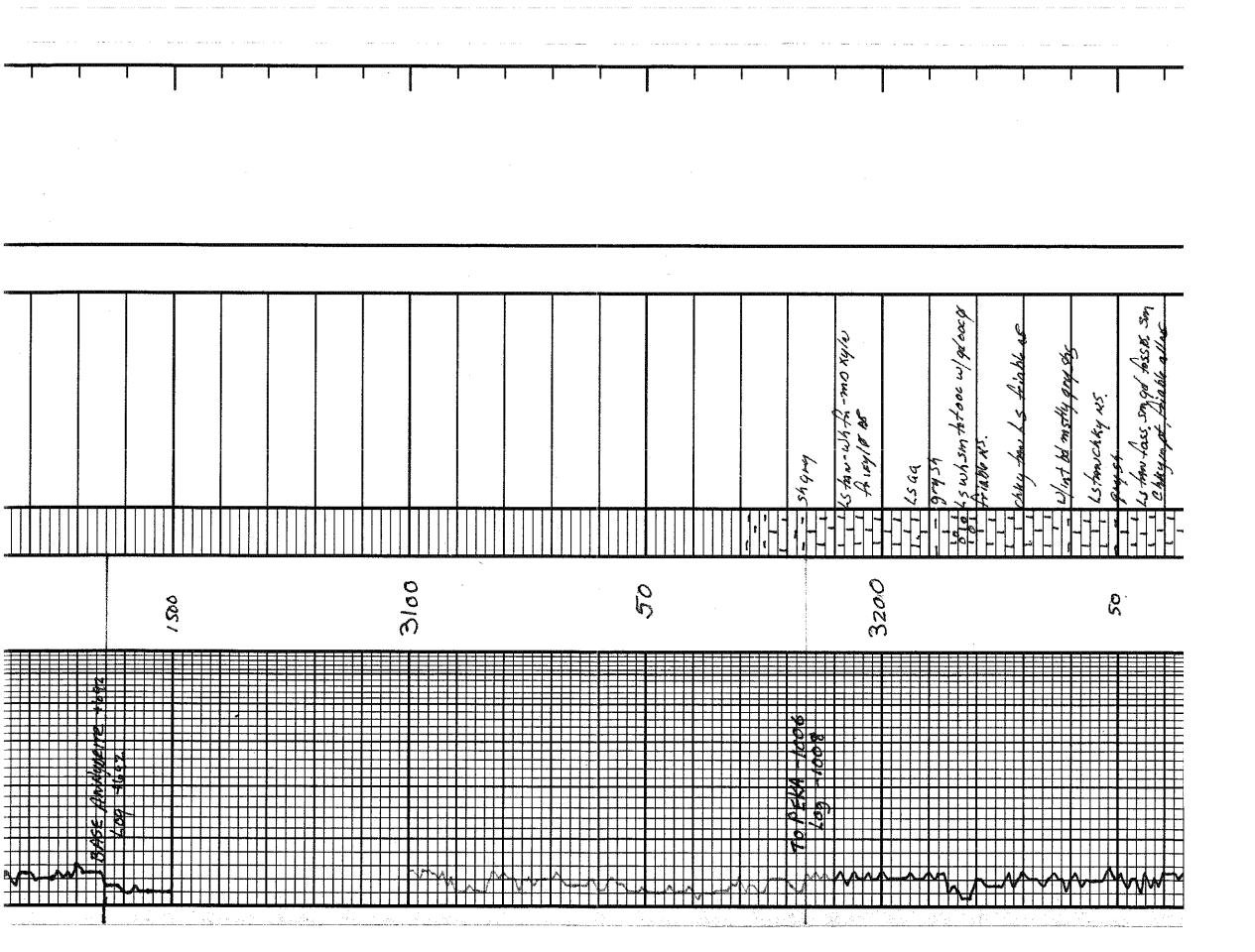
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1411 Wash	nington Cir	cle		REPORT										
	KS 67601				2 									
Phone: (785)621-2286		Cell: (620)4	28-1356	LOG										
COMPANY Downing-Alson Bie	6 Inc.		r											
	<u>.</u>	4					·····							
WELL BEFORT #1-12		-												
FIELD Ringe Hill		-							<u> </u>					
LOCATION 530'FSL \$ 1520'	FWL	PRODUCTIO	N TORONT	D-LKC				·····					· · ·	
SEC. 12 TWP. 145 F		ELEVATION	KB DF	2178 '										
COUNTY ELLIS				2170					<u> </u>					
STATE kansag		Drilling Measured			FORMATION		INTERVAL	<u>}</u>	j D	ESCRIPTION (F SHOW		LOG AN	
STATE Ransey		Samples Saved From	3200 T): <u>77</u> 0			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					SW
		Drilling Time From Samples Examined F						, j						
OPERATOR DNOCL CONTRACTOR DISCOVERY DALLING	Dig # 4			To Total Depth					•					
COMM:COMP:	5-18-11	Weilaite Geologist	Don Nel	Son										
CASING RECORD		Electricol Surveys	Superior			[
SURF: 85/8"@ 220 PROD: 5	12 2 3977	DUAL INC												
TOTAL DEPTH DRILLERS: 3925		MICRO	Son (C											
TOTAL DEPTH LOG 343-7	·		<u>- 307[-</u>										1	
FORMATION TO	PS AND STR	RUCTURAL PO	SITION											
FORMATION	SAMPLE TOP	ELECTRIC LO	G SUB-SEA DATUM	STRUCTURAL POSITION										
TOP ANHUNRITE	1444	1444	-134	~10										
BASE ANHYDRITE	14 94	1486	+692	-12										
TOPERA	3184	3186	-100%	- 3										
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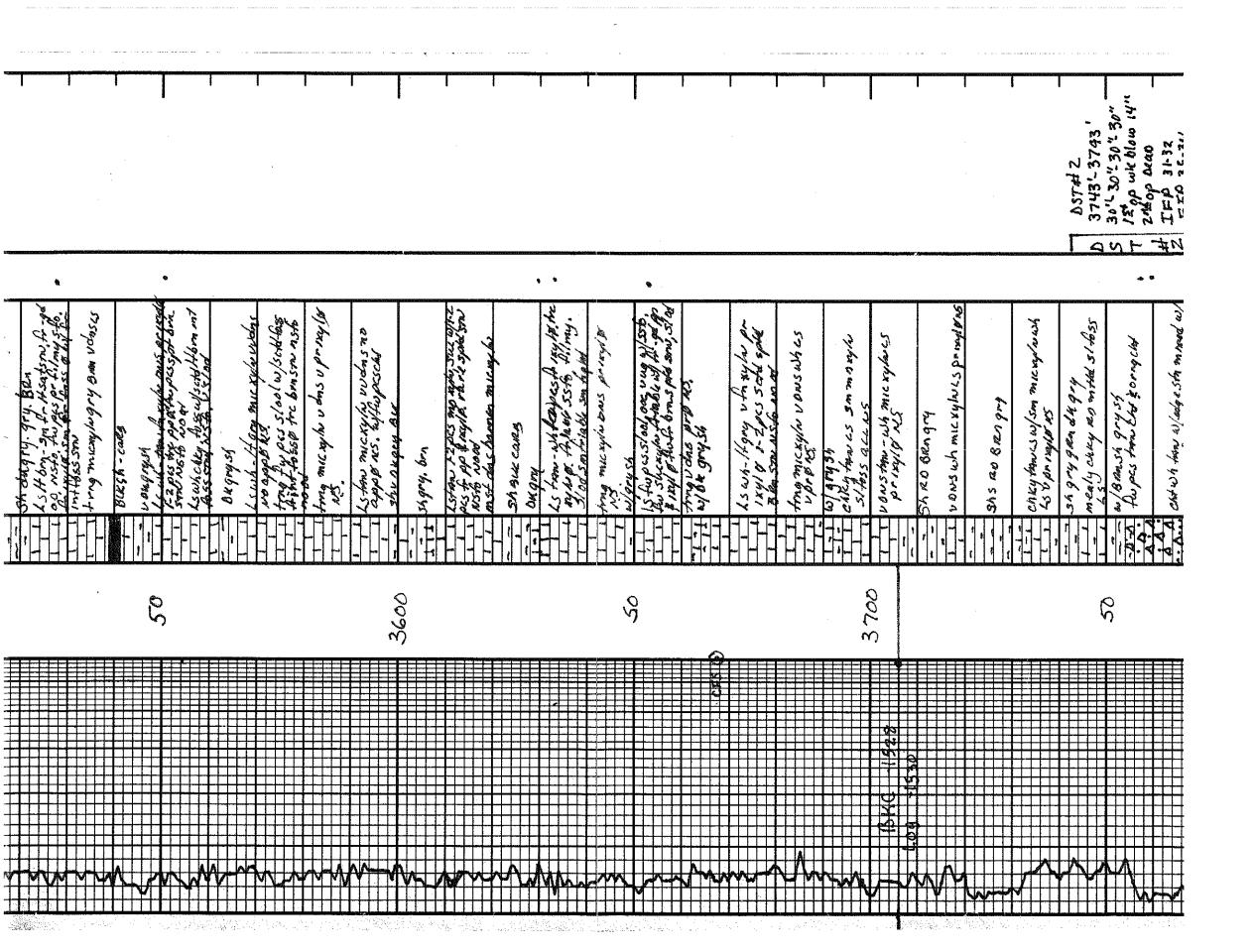
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	ND RECOMMENDA 	ND RECOMMENDATIONS 	ND RECOMMENDATIONS <u>RAN 5'</u> 	NO RECOMMENDATIONS <u>RAN 51/2.1 Pro</u> 	NO RECOMMENDATIONS <u>IZAN 5'6." PRODUCTION</u> 	NO RECOMMENDATIONS RAN 51/2" PRODUCTION PIPE THER TESTING OF TORONTO & LVC ZOASS. YARITE & ENCOUNTERED CONGLOMERATE	NO RECOMPROATIONS RAN 51/2." PRUDUCTION PIPE ("OFF BUTTOM FOR THER TESTING OF TORONTO & LUC ZORES. RAN LOW ON YARITE & ENCOUNTERED CONGLOMERATE ZONE & HAS VERY	NO RECOMMENDANTORS <u>DAN 5'h.'' PRODUCTION PIPE I' OFF BOTTOM FOR</u> THER TESTING OF TORONTO ³ LUC ZORES. <u>RAN LOW ON</u> YARTICE <u>5</u> SACOUNT CESO CONGLOMERATE ZONC <u>3</u> HAD VEEU A ARBUCLICE. De 35 IBLE CONVERSION TO SWO AT LATER MATE	UTHOLO DIL SH DIL SH D	OIL SHOWS OIL SHOWS	NO RECONCULION CONVERSION TO SUDU AT LATER MATE AABLIC LG. DOSSIBLE CONVERSION TO SUDU AT LATER MATE ADDITION DELLA CONVERSION TO SUDU AT LATER MATE AABLIC LG. DOSSIBLE CONVERSION TO SUDU AT LATER MATE ADDITION DELLA CONVERSION TO SUDU AT LATER MATE AABLIC LG. DOSSIBLE CONVERSION TO SUDU AT LATER MATE ADDITION DELLA CONVERSION TO SUDU AT LATER MATER ADDITION DELLA CONVERSION TO SUD AT LATER MATER ADDITION DELLA CONVERSION TO SUD AT LATER ADDITION DELLA CONVERSION TO SUD AT LATER ADDITION DELLA CONVERSION TO SUD AT LATER ADDITION DELLA CONVERSION TO SUD AT	UTHOLOGY USE DAVE 5/b." PRODUCTION PICE CONCESS. TAN LOW ON USE TESTING OF TREATE SOME & HEAD VIEW CONTREMENTOR DECHINARY STATISTICS OF TREATE CONCESSION TO SUBJECT OF TREATE CONCESION TO SU	Image: Solution of the soluti	ARBUCTULE - DOSSIBLE CONVESSION TO SUDD AT LATER MATE LOCUMENTS	Image: Structure in the indicet is accounted to the indicet is accoun



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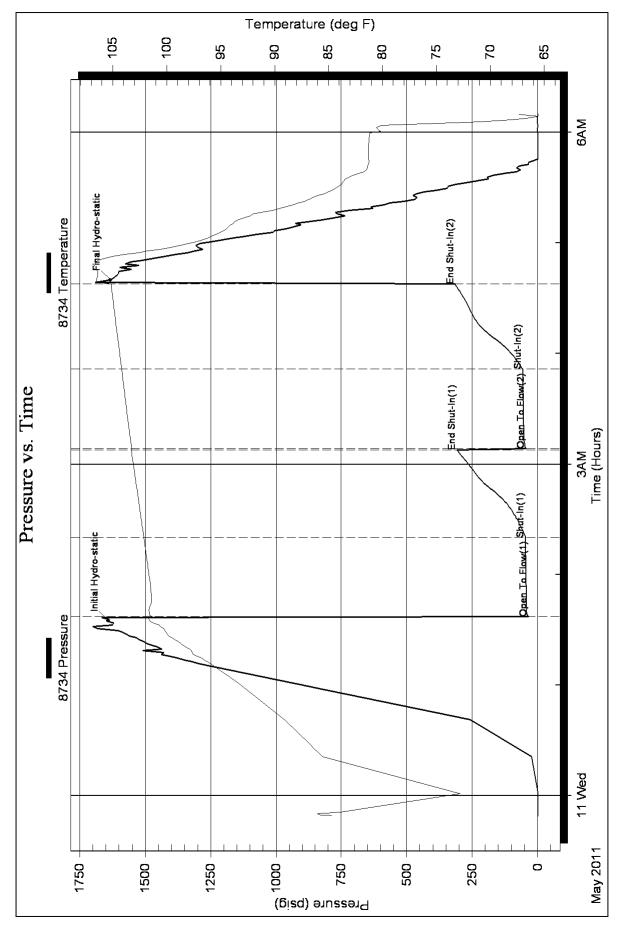
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1 I I	REMARKS	uc RNG 194) Hansas	
	OIL SHOWS	<u>5720 'р. н.</u> 5 STATE	1
	SAMPLE DESCRIPTIONS	LOCATION 530'ESL 2.15 SEC 12 TWP 145 COUNTY 2445	
	LITHOLOGY		
	DEPTH	<u>ИЛАК Rug 44</u>	
	5" 10" 15" 2 5" TIME Minutes/Fo Rate of Penetration Decreases	CONTRACTOR <u>DISCOVERY DRU</u> LEASE <u>Bar fort 4 1-12</u> ELEVATION <u>2178' U.B.</u>	

	DRILL STEM TES	S	TREPO	ORT				
RILOBITE	Dow ning Nelson Oil Co Inc			Ве	fort 1-12	2		
ESTING , INC				12-	14-19 El	lis, Ks		
	Hays, Ks 67601			Job	Ticket: 42	2566	DST	#:1
	ATTN: Gator			Tes	t Start: 20	011.05.10	0 @ 23:48:49	)
GENERAL INFORMATION: Formation: Deviated: No Whipstock: Time Tool Opened: 01:36:49 Time Test Ended: 06:09:19 Interval: 3427.00 ft (KB) To 34 Total Depth: 3483.00 ft (KB) (T Hole Diameter: 7.88 inchesHole				Tes Unit	ter: I No: 4	Brian Fai 41	2178.0 2170.0	Hole 00 ft (KB) 00 ft (CF) 00 ft
							. 0	
Serial #: 8734         Outside           Press@RunDepth:         56.88 psig           Start Date:         2011.05.10           Start Time:         23:48:50	<ul> <li>@ 3433.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2	2011.05.11 06:09:19	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000.0 2011.05. ⁻ 11 @ 01:34:4 11 @ 04:39:4	49
TEST COMMENT: IFP - BOB 22 mir ISI - no blow bac FFP - w eak to g FSI - no blow ba	ck ood blow 1/4" - 7"							
Pressure vs. 7				PI	RESSUF	RE SUN	IMARY	
1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 17500 1750 1750 1750 1750 1750 1750 1750 1750 1750		Temperature (deg F)	Time (Min.) 2 45 93 94 137 183 185	Pressure (psig) 1641.60 35.20 46.91 307.86 44.02 56.88 315.15 1633.67		Open T Shut-In End Sh Open T Shut-In End Sh	ydro-static To Flow (1) (1) ut-In(1) To Flow (2) (2)	
Recovery					Ga	s Rates	3	
Length (ft) Description	Volume (bbl)				Choke (i	nches) Pr	essure (psig)	Gas Rate (Mcf/d)
65.00         HOCM 35%O, 65%M           0.00         150' GIP	0.63							
Trilobite Testing, Inc	Ref. No: 42566						.11 @ 08:59	

- T-I	<u> KILUBI</u>		Dow ni	ng Nelson	Oil Co Inc		Befort 1-1	2				
目	<b> </b> ESTI	ITE ING , INC	PO Box				12-14-19 Ellis, Ks					
			Hays,	Ks 67601			Job Ticket: 4		DST#:1			
			ATTN:	Gator			Test Start: 2011.05.10 @ 23:48:49					
Aud and C	Cushion Info	ormation										
/lud Type: 0					Cushion Type:			Oil A PI:		deg API		
lud Weight:	9.00 lk				Cushion Length:		ft	Water Salinity	:	ppm		
iscosity:	79.00 s	-			Cushion Volume:		bbl					
Vater Loss:	7.98 ir				Gas Cushion Type:							
Resistivity:		hm.m		C	Gas Cushion Pressu	re:	psig					
alinity: ïlter Cake:	1000.00 p ir	pm nches										
Recovery I	Information											
		r		F	Recovery Table		1	Т				
		Leng ft	th		Description		Volume bbl					
			65.00	-	5%O, 65%M		0.629	<u>9</u>				
			0.00	150' GIP	)		0.000	<u>)</u>				
	Tot	al Length:	65	5.00 ft	Total Volume:	0.629 bbl						
		m Fluid Samp poratory Nam			Num Gas Bombs: Laboratory Locat		Serial #	-				
		covery Comr				юп.						
						Un.						





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42566 Ref. No:

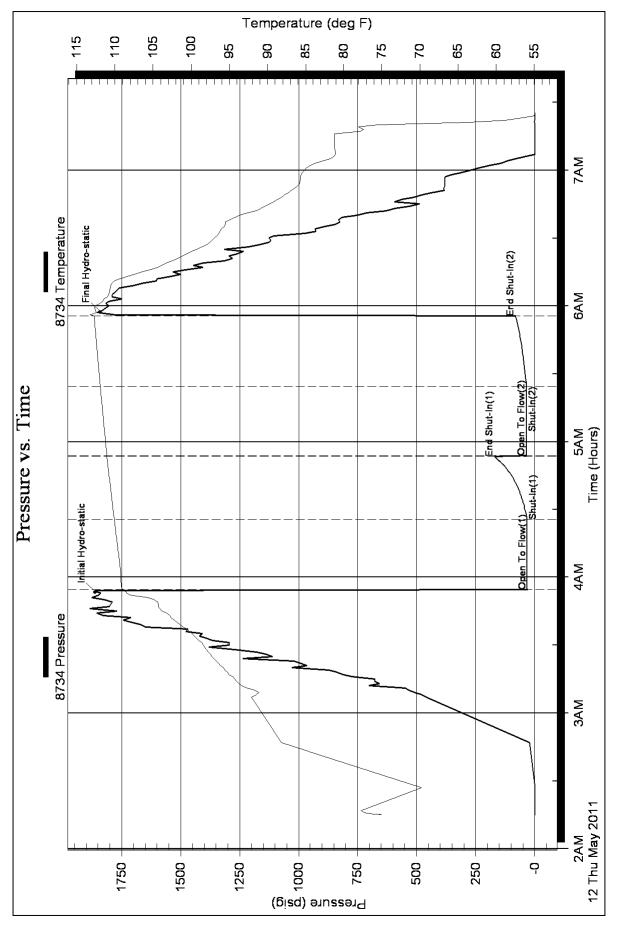
Trilobite Testing, Inc

	DRILL STEM TE	S	TREPO	ORT				
RILOBITE	Dow ning Nelson Oil Co Inc			Be	fort 1-12	2		
ESTING ,	TO BOX TOTO			12-	14-19 El	lis, Ks		
	Hays, Ks 67601			Job	Ticket: 42	2567	DST	#:2
	ATTN: Gator			Tes	t Start: 20	)11.05.12	@ 02:14:49	)
GENERAL INFORMATION: Formation: Deviated: No Whipston Time Tool Opened: 03:54:19 Time Test Ended: 07:25:19	k: ft (KB)			Tes	ter: I	Conventic Brian Fair 41	onal Bottom I bank	Hole
Total Depth: 3793.00 ft (KB	<b>3793.00 ft (KB) (TVD)</b> (TVD) Hole Condition: Good			Ref	erence Ele KB t	evations: to GR/CF:	2170.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8734OutsidePress@RunDepth:34.11 pStart Date:2011.05Start Time:02:14TEST COMMENT:IFP - sur blo	12 End Date: 50 End Time: v - died 14 min	2	2011.05.12 07:25:19	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000.0 2011.05. 2 @ 03:53: 2 @ 05:57:	19
ISI - no blow FFP - no blo FSI - no blov	v back							
8734 Pressure	vs. Time  8734 Temperature 115 115 116 117 117 117 117 117 117 117 117 117		Time	Pl Pressure	RESSUF			
1790 1790 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200	Print Holes Mic         113           Print Holes Mic         110           10         100           10         100           10         100           10         100           10         100           10         100           100         100           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100         00           100	Temperature (deg F)	(Min.) 0 1 32 60 61 91 122 124	(psig) 1861.61 30.69 32.32 170.28 34.75 34.11 81.07 1840.92	(deg F) 108.53 108.88 110.08 111.05	Initial Hy Open To Shut-In( End Shu Open To Shut-In( End Shu	rdro-static o Flow (1) 1) ut-In(1) o Flow (2) 2)	
Recover	/				Ga	s Rates		
Length (ft) Description					Choke (i	nches) Pre	essure (psig)	Gas Rate (Mcf/d)
5.00 SOCM 5%O, 95%M	0.02							
Trilobite Testina. Inc	Ref. No: 42567					0044.05	12 @ 09:02	

LUID SUMMARY         Durning Netson OI Co Io:       Befort 1-12         Durning Netson OI Co Io:       Durning Netson OI Co Io:         Matter Los:       9.00 bigal       Content 1-12         Matter Los:       9.00 bigal       Content 1-12       Durning Netson OI Co Io:         Water Los:       9.00 bigal       Content 1-12       Durning Netson OI Co Io:       Durning Netson OI Co Io:         Water Los:       9.00 bigal       Content 1-12       Durning Netson OI Co Io:       Durning Netson OI Co Io:       Durning Netson OI Co Io:         Water Los:       9.00 bigal       Content 1-12       Durning Netson OI Co Io:       Durning Netson OI Co Io:       Durning Netson OI Co Io:         Water Los:       7.98 in?       Content Top       Content Top       Durning Netson OI Co Io:       Durning Netson OI Co Io:         Water Los:       7.98 in?       Concert Table       Description       OI AP:       Durning Netson OI Co Io:         Betor Los:       5.00 I:       Total Volume:       OI 20 Io:       Ser	() Th		DRI	LL STEM TEST RE	POR	Г		FLUID S	UMMARY
Hays, Ks 67601       Job Ticket: 42567       DST#:2         ATTN: Gator       Test Start: 2011.05.12 @ 02:14:49         Mud and Cushion Information       Use Start: 2011.05.12 @ 02:14:49         Mud Type: Gel Chem       Cushion Type:       Oil AP:       deg API         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bd         Water Loss:       7.96 in ³ Gas Cushion Pressure:       psig         Salinity:       2000.00 ppm       Ester:       inches         Filter Cake:       inches       Escovery Table       Escovery Table         Certaget:       5.00 soc/M 5%O, 95%M       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:		RILUBITE	Dow ni	ng Nelson Oil Co Inc		Befort 1-1	2		
Hays, Ks 67601       Job Ticket: 42567       DST#:2         ATTN: Gator       Test Start: 2011.05.12 @ 02:14:49         Mud and Cushion Information       Use Start: 2011.05.12 @ 02:14:49         Mud Type: Gel Chem       Cushion Type:       Oil AP:       deg API         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bbl         Water Loss:       7.96 in ³ Gas Cushion Pressure:       psig       Salinity:       pm         Salinity:       2000.00 ppm       Eter Cake:       inches       Eter Cake:       inches       Eter Cake:       psig         Total Length:       5.00 ft       Otal Volume:       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:		ESTING , INC	PO Box	x 1019		12-14-19 E	llis. Ks		
Mud and Cushion Information         Mud Type:       Gel Chem       Cushion Type:       Oil API:       deg API         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bbl       water Salinity:       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bbl       water Salinity:       ppm         Viscosity:       0.01 API:       odg API       Water Salinity:       ppm       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bbl       water Salinity:       ppm         Viscosity:       0.000 ppm       Gas Cushion Pressure:       psig       salinity:       salinity:       2000.00 ppm         Filter Cake:       inches       Recovery Table       Recovery Table       Kecovery Table       Kecovery Table       Kecovery Table       Kecovery Solution       Solution Solution Solution       Solution Solution								DST#:2	
Mud Type:     Gel Chem     Cushion Type:     Oil API:     deg API       Mud Weight:     9.00 lb/gal     Cushion Length:     ft     Water Salinity:     ppm       Viscosity:     59.00 sec/qt     Cushion Volume:     bbl     bbl     Water Salinity:     ppm       Water Loss:     7.96 in ³ Gas Cushion Type:     psig     Salinity:     psig     Salinity:     psig       Salinity:     2000.00 ppm     Filter Cake:     inches     recovery Table     recovery Table     recovery Table       Faceovery Table       Viscosity:     5.00 SOCM 5%O, 95%M     0.025       Total Length:     5.00 ft     Total Volume:     0.025 bbl       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:       Laboratory Name:     Laboratory Location:     Serial #:			ATTN:	Gator		Test Start: 2	011.05.12 @ 02	2:14:49	
Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       ppm         Viscosity:       59.00 sec/qt       Cushion Volume:       bbl       bbl         Water Loss:       7.96 in ³ Gas Cushion Type:       psig         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       2000.00 ppm       pm       Filter Cake:       inches         Recovery Information         Recovery Table         Image: Colspan="3">Cushion for South State S	Mud and Cu	ushion Information							
Viscosity:       59.00 sec/qt       Cushion Volume:       bbl         Water Loss:       7.96 in³       Gas Cushion Type:       psig         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       2000.00 ppm       Filter Cake:       inches         Recovery Information         Recovery Table         Length       Description       Volume         ft       0.025       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:       Laboratory Location:	Mud Type: G	Gel Chem		Cushion Type:			Oil A PI:		deg API
Water Loss:       7.96 in³       Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       2000.00 ppm       Filter Cake:       inches         Filter Cake:       inches         Recovery Information         Volume ft         Length Description Volume bbl         ft       0.025         Total Length:       5.00 ft         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Laboratory Location:							Water Salinity:		ppm
Resistivity:       ohm.m       Gas Cushion Pressure:       psig         Salinity:       2000.00 ppm         Filter Cake:       inches         Recovery Information         Recovery Table         Length       Description       Volume         ft       Description       Volume         5.00       SOCM 5%O, 95%M       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Serial #:		-				bbl			
Salinity: 2000.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume bbl 5.00 SOCM 5%O, 95%M 0.025 Total Length: 5.00 ft Total Volume: 0.025 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:						psig			
Recovery Table         Length       Description       Volume         5.00       SOCM 5%O, 95%M       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Eaboratory Location:									
Recovery Table         Length       Description       Volume         ft       0.025       0.025         Total Length:       5.00 ft       Total Volume:       0.025 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Laboratory Location:									
Length ftDescriptionVolume bbl5.00SOCM 5% O, 95% M0.025Total Length:5.00 ftTotal Volume:0.025 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:Serial #:	Recovery Ir	ntormation		Recoverv Table					
5.00     SOCM 5%O, 95%M     0.025       Total Length:     5.00 ft     Total Volume:     0.025 bbl       Num Fluid Samples:     0     Num Gas Bombs:     0       Laboratory Name:     Laboratory Location:     Serial #:		Leng	th	-			T		
Total Length: 5.00 ft Total Volume: 0.025 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:		ft	5.00	SOCM 5%0, 95%M			5		
Num Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:		Total Length:		•	0 025 bbl	0.020	4		
Laboratory Name: Laboratory Location:						Serial #			
Recovery Comments:					,				
		Recovery Com	ments:						



Outside Dow ning Nelson Oil Co Inc



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Trilobite Testing, Inc