

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1054897

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:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from North / South Line of Section
City: State: Zip:	+	Fe	eet from East / West Line of Section
Contact Person:		Footages Calculated from I	Nearest Outside Section Corner:
Phone: ()			
CONTRACTOR: License #			
Name:			Well #:
Wellsite Geologist:			vven #
-			
Purchaser:			
Designate Type of Completion:	-		Kelly Bushing:
New Well Re-Entry	Workover	Total Depth: Plu	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing	Collar Used? 🗌 Yes 🗌 No
☐ OG ☐ GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:			
Operator:		Drilling Fluid Managemer	at Blan
Well Name:		(Data must be collected from th	
Original Comp. Date: Original Tota	al Depth:	Oblarida contenti	ppm Fluid volume: bbls
Deepening Re-perf. Conv. to E	NHR Conv. to SWD		
Conv. to G	SW	Dewatering method used: _	
Plug Back: Plug I Plug	Back Total Depth	Location of fluid disposal if	hauled offsite:
Commingled Permit #:		Operator Name	
Dual Completion Permit #:			License #:
SWD Permit #:			
ENHR Permit #:			TwpS. R East West
GSW Permit #:		County:	Permit #:
	Completion Date or Recompletion 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	1054897
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)	☐ Log Name	Formatior	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No)	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	Yes No Yes No Yes No	>					
List All E. Logs Run:								
		CAS	ING RECORD	New	Used			
		Report all strings	set-conductor, surfa	ace, interm	nediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / F		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 Specify Fo		RD - Bridge F Each Interval		e	,		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Pr	oduct	on, SWD or ENH	<i>₹</i> .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION	OF	BAS:			METHOD (OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subm	it ACC	-18.)		Other (Specify)					

Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Sides/Anna Unit 1-3
Doc ID	1054897

Tops

Name	Тор	Datum
Anhydrite	1876	+349
Base Anhydrite	1903	+322
Topeka	3217	-992
Heebner	3418	-1193
Toronto	3443	-1218
Lansing	3458	-1233
Base Kansas City	3647	-1422
Marmaton	3683	-1458
Precambrian	3718	-1493
Total Depth	3731	-1506

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802

Thomas E. Wright, Chairman Ward Loyd, Commissioner



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Corporation Commission

Sam Brownback, Governor

April 28, 2011

Jim R. Baird Baird Oil Company LLC 113 W MAIN PO BOX 428 LOGAN, KS 67646

Re: ACO1 API 15-137-20553-00-00 Sides/Anna Unit 1-3 NE/4 Sec.03-04S-21W

Dear Production Department:

Norton County, Kansas

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Jim R. Baird



DRILL STEM TEST REPORT

Prepared For:

For: Baird Oil Company, LLC.

Service Service

Ser Busin R

113 W Main Logan, KS 67646

ATTN: Richard Bell

3-4s-21w Norton, KS

Sides/Anna Unit #1-3

 Start Date:
 2011.04.11 @ 19:27:00

 End Date:
 2011.04.12 @ 03:03:00

 Job Ticket #:
 041986
 DST #:
 1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

2011.04.11

Printed: 2011.04.26 @ 21:31:18 Page 1

DST # 1

				•					20 Contra 20 Contra 2 Contra
(ON	RILOBITE	DRILL S	TEM TES						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	In succession of the second se	Baird Oil Compa	ny, LLC.		Si	des/Anr	na Unit #1·	-3	
	ESTING , INC	113 W Main Logan, KS 6764	46			4s-21w I o Ticket: 0	Norton, KS	B DST#:	1
	0	ATTN: Richard	Bell				011.04.11 @		
GENERAL	INFORMATION:								
Formation: Deviated: Time Tool Ope	LKC "A" No Whipstock: ened: 22:18:00 Jed: 03:03:00	ft (KB)		Tes	st Type: ster: it No:	Conventiona Kevin Mack 46	al Bottom Ho	le
Interval: Total Depth: Hole Diameter	3449.00 ft (KB) To 34 3472.00 ft (KB) (Th 7.88 inchesHole				Ret	ference E KB	levations: to GR/CF:	2225.00 2216.00 9.00	ft (CF)
Serial #: 8 Press@RunD Start Date: Start Time:		@ 3450.00 ft End Date: End Time:	(KB)	2011.04.12 03:02:59	Capacity Last Cal Time On Time Off	ib.: Btm:	2011.04.11 (2011.04.12 (psig
TEST COM	MENT: IF:BOB in 7 1/2 N IS: Return built to FF: BOB in 6 3/4 FS: Return built to	2" Min							
	Pressure vs. T				P	RESSU	RE SUMM	ARY	
1720 1220 1220 720 220 220 11 Mon Apr 2011	005 Pressue		Temponau 0 0 0 0 0 0 0 0 0 0 0 0 0		Pressure (psig) 1711.70 19.90 86.68 1267.92 95.34 133.44 1250.84 1675.41	Temp (deg F) 94.96 94.51 98.14 99.24 98.59 99.61 100.15	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static ow (1) n(1) ow (2) n(2)	
	Recovery					Ga	s Rates		
Length (ft)	Description		ume (bbl)			Choke (i	nches) Pressur	e (psig) Gas	s Rate (Mct/d)
121.00	GMCO 20M 30G 500 Clean Gassy Oil 25G 750	0.6							
0.00	682' GIP	1.4							
		5.0							
Trilobite Tes	ting Inc	Ref No: 0/	11000						

RILOE		DRI	LL STE	MTEST	REPOR	T.	TOOL DIAGRA
		Baird O	il Company, I	LC.	ali yasaa	Sides/Anna l	Jnit #1-3
EST	ING , INC	113 WI	Main		2	3-4s-21w Nor	ton KS
			KS 67646	*1-123 		Job Ticket: 0419	
15.0			Richard Bell				
		ATTN.	Richard Bell			Test Start: 2011	.04.11 @ 19:27:00
Tool Information	•						
Drill Pipe: Length:	3325.00 ft	Diameter:	3.80 in	ches Volume:	46.64 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:		Diameter:		ches Volume:	0.00 bbl		Packer: 25000.00 lb
Drill Collar: Length:	120.00 ft	Diameter:		ches Volume:	0.59 bbl		Loose: 48000.00 lb
Drill Pipe Above KB:	16.00 ft			Total Volume:	47.23 bbl	Tool Chased	0.00 ft
Depth to Top Packer:	3449.00 ft					String Weight:	initial 42000.00 lb Final 44000.00 lb
Depth to Bottom Packer:	ft						1111al 44000.00 lb
Interval between Packers:	23.00 ft						
Tool Length: Number of Packers:	43.00 ft 2	Diameter:	6.75 in	ahaa			
Tool Comments:	2	Diameter.	0.75 11	cnes			
Tool Description Shut In Tool		5.00	Serial No.	Position	3434.00	ccum. Lengths	
Hydraulic tool		5.00			3439.00		
Packer		5.00			3444.00	20.00	Bottom Of Top Packer
Packer		5.00			3449.00		
Stubb		1.00			3450.00		
Recorder		0.00	8366	Inside	3450.00		
Recorder		0.00	8320	Outside	3450.00		
Perforations		19.00			3469.00		
Bullnose		3.00			3472.00	23.00	Bottom Packers & Anchor
Total Tool	Length:	43.00					
						-	

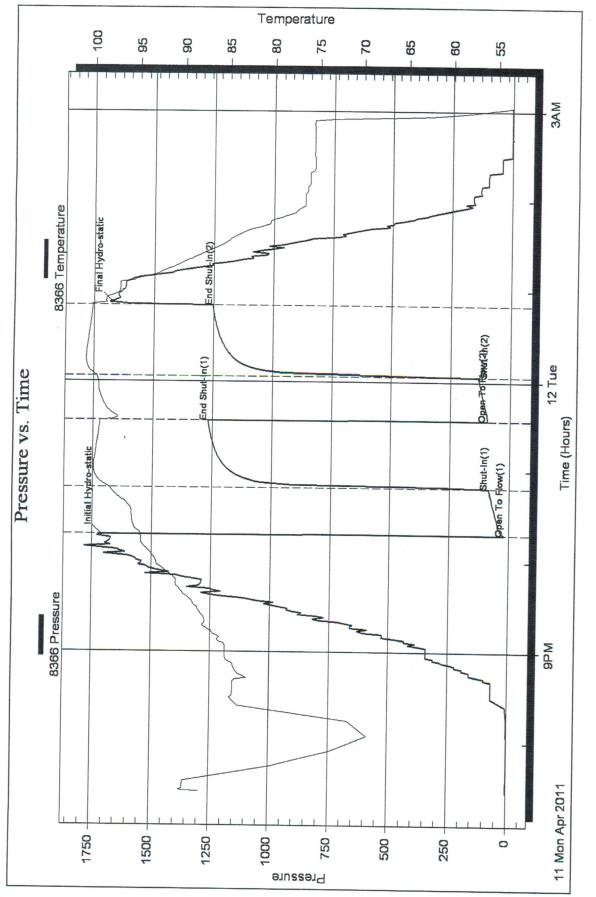
RILOBIT		STEM TEST REP	ORT		FLUID	SUMMARY
	Dalla Oll	Company, LLC.	Side	asi Anna V	Unit #1-3	
ESTI	_	Wain KS 67646 Richard Bell	Jol	S-21w No Ticket: 04 ⁻ st Start: 20 ⁻		ST#: 1 (:00
Mud and Cushion Info	ormation					
Mud Type: Gel Chem Mud Weight: 9.00 l Viscosity: 69.00 s Water Loss: 6.38 i Resistivity: 0.00 s Salinity: 1800.00 s	lb/gal sec/qt in³ ohm.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bb ps	V	Dil A PI: Nater Salinity:	40 deg API ppm
Recovery Information	n					
		Recovery Table				
	Length ft	Description		Volume bbl		
	121.00	GMCO 20M 30G 500		0.604		
	101.00	Clean Gassy Oil 25G 75o		1.417 0.000		
	0.00	682' GIP 2.00 ft Total Volume:	2.021 bbl	0.000		
. N	um Fluid Samples: 0 aboratory Name:	2.00 ft Total Volume: Num Gas Bombs: Laboratory Location: Nil API 38 @ 40 Degrees= 40	0	Serial #:		



Baird Oil Company, LLC.

3-4s-21w Norton, KS

DST Test Number: 1



Printed: 2011.04.26 @ 21:31:19 Page 5

Ref. No: 041986



DRILL STEM TEST REPORT

Prepared For: Baird Oil Company, LLC.

1. Wrater

AND BALL

113 W Main Logan, KS 67646

ATTN: Richard Bell

3-4s-21w Norton, KS

Sides/Anna Unit #1-3

Start Date: 2011.04.12 @ 09:14:00 End Date: 2011.04.12 @ 14:45:30 Job Ticket #: 041987 DST #: 2

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 2011.04.12

Printed: 2011.04.26 @ 21:32:08 Page 1

DST # 2

	DRILL STEM TE	S	REPC	RT				
RILOBITE	Baird Oil Company, LLC.			Side	es/Anna	Unit #1-3		
ESTING , I	113 W Main Logan, KS 67646 ATTN: Richard Bell			Job 7	Ticket: 041	987 1.04.12 @ 0	DST#:2 9:14:00	
GENERAL INFORMATION: Formation: LKC "C" Deviated: No Whipston Time Tool Opened: 10:35:00 Time Test Ended: 14:45:30	k: ft (KB) 3502.00 ft (KB) (TVD)			Test Unit	er: K	-	3ottom Hole 2225.00	
Total Depth: 3502.00 ft (KB						GR/CF:	2216.00 9.00	
FF: BOB in	12 End Date: 05 End Time: 9 min. eturn started @ 3 min. Did not build (or d	2011.04.12 14:45:29 lie	Capacity: Last Calit Time On I Time Off	o.: Btm: 2	20 011.04.12 @ 2011.04.12 @		psig
Pressi	vs. Time			PF	RESSUR	E SUMMA	RY	
		o o o y	Time (Min.) 0 1 31 77 77 107 152 154	Pressure (psig) 1728.86 16.28 64.54 1255.38 68.58 88.85 1234.95 1696.87	Temp (deg F) 91.86 91.43 93.89 95.19 94.72	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2)	-static w (1) (1) w (2) (2)	
Recove	У					s Rates		
Length (ft) Descripti					Choke (inches) Pressure	e (psig) G	as Rate (Mcf/d)
60.00 GMCO 30G 50o 20								
60.00 GMCO 50G 40o 10								
62.00 GMCO 20G 70o 10 31.00 MCO 75o 25M	0.43							
Trilobite Testing, Inc	Ref. No: 041987				Printed	2011.04.26	@ 21:32:0	8 Page 2

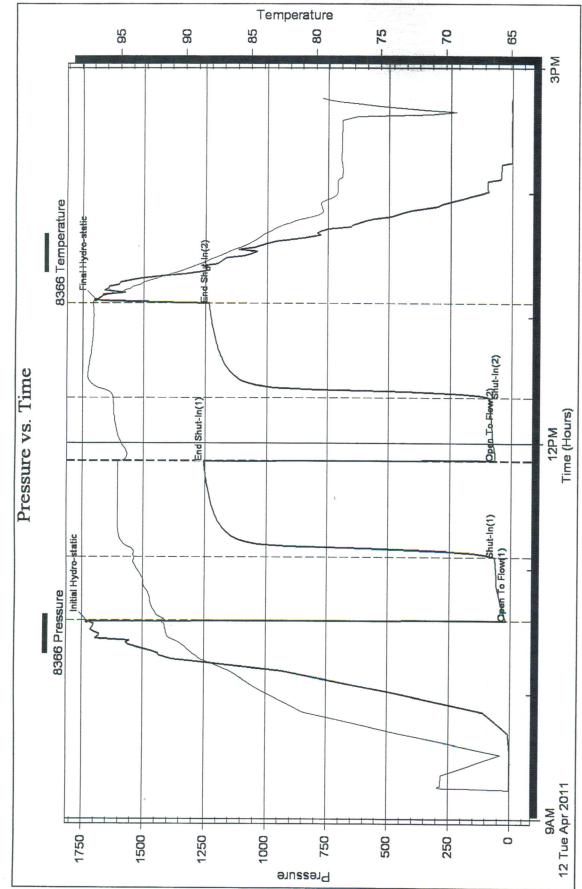
RILOB		ILL STEM	TEST	REPO	RT	TOOL DIAGRA
	Baird	Oil Company, LLC.		rus station	Sides/Anna Unit #	#1-3
ESTI		/ Main , KS 67646 Richard Bell			3-4s-21w Norton, I Job Ticket: 041987 Test Start: 2011.04.12	DST#:2
Tool Information						
Heavy Wt. Pipe: Length: Drill Collar: Length: Drill Pipe Above KB:	3354.00 ft Diameter 0.00 ft Diameter 120.00 ft Diameter 17.00 ft 3477.00 ft ft 25.00 ft 45.00 ft 2 Diameter	:: 0.00 inches :: 2.25 inches Tota	s Volume: s Volume: al Volume:	47.05 bb 0.00 bb 0.59 bb 47.64 bb	Weight set on Packe	e: 50000.00 lb 0.00 ft 42000.00 lb
Fool Description	Length (ft)	Serial No. Po	osition	Depth (ft)	Accum. Lengths	
Shut In Tool	Length (ft) 5.00	Serial No. Po	osition	Depth (ft) 3462.00	Accum. Lengths	
Shut In Tool Hydraulic tool	5.00 5.00	Serial No. Po	osition	3462.00 3467.00		
Shut In Tool Hydraulic tool Packer	5.00 5.00 5.00	Serial No. Po	osition	3462.00 3467.00 3472.00	Accum. Lengths 20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer	5.00 5.00 5.00 5.00	Serial No. Po	osition	3462.00 3467.00 3472.00 3477.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb	5.00 5.00 5.00 5.00 1.00			3462.00 3467.00 3472.00 3477.00 3478.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder	5.00 5.00 5.00 5.00 1.00 0.00	8366	Inside	3462.00 3467.00 3472.00 3477.00 3478.00 3478.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder	5.00 5.00 5.00 5.00 1.00 0.00 0.00			3462.00 3467.00 3472.00 3477.00 3478.00 3478.00 3478.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations	5.00 5.00 5.00 5.00 1.00 0.00 0.00 21.00	8366	Inside	3462.00 3467.00 3472.00 3477.00 3478.00 3478.00 3478.00 3478.00 3499.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder	5.00 5.00 5.00 5.00 1.00 0.00 0.00 21.00 3.00	8366	Inside	3462.00 3467.00 3472.00 3477.00 3478.00 3478.00 3478.00	20.00	Bottom Of Top Packer

as.			DRI	LL STEM TEST RE	EPORT			F		JMMARY
	RILOBITE	F		il Company, LLC.			Anna	Unit #1-3		
が	ESTING								3	
	EOTING	, 1140	113 WI	Main KS 67646				rton, KS		
			Logan,	K3 07040			ket: 0419		DST#:2	
And applied			ATTN:	Richard Bell		Test S	tart: 2011	1.04.12 @ 09:	14:00	
Mud and (Cushion Informa	ation								
Mud Type:	Gel Chem			Cushion Type:				API:		deg API
Mud Weight:	9.00 lb/gal			Cushion Length:		ft	Wa	ater Salinity:		ppm
Viscosity:	61.00 sec/q	t		Cushion Volume:		bbl				
Water Loss:	6.39 in³ 0.00 ohm.n	~		Gas Cushion Type: Gas Cushion Pressure:		psig				
Resistivity: Salinity:	1600.00 ppm	n		Gas Gustion Tressure.		polg				
Filter Cake:	2.00 inche	s								
Recovery	Information									
				Recovery Table						
		Lengt	th	Description			ume bl			
		ft	60.00	GMCO 30G 50o 20M			0.295			
			60.00	GMCO 50G 40o 10M			0.295			
			62.00	GMCO 20G 70o 10M			0.870			
			31.00	MCO 750 25M			0.435			
	Total Le	ength:	213	.00 ft Total Volume:	1.895 bbl					
	Num Flu	uid Samp	oles: 0	Num Gas Bombs:	0	5	Serial #:			
	Laborat	tory Nan	ne:	Laboratory Location:						
	Recove	ery Comr	ments:							
										×

Serial #: 8366 Inside Baird Oil Company, LLC.

3-4s-21w Norton, KS





Printed: 2011.04.26 @ 21:32:08 Page 5

Ref. No: 041987

C.L.L. (materia) Fig. gh

#A.Witt 10月 人。



DRILL STEM TEST REPORT

Prepared For: Baird Oil Company, LLC.

113 W Main Logan, KS 67646

ATTN: Richard Bell

3-4s-21w Norton, KS

Sides/Anna Unit #1-3

Start Date: 2011.04.12 @ 21:35:09 End Date: 2011.04.14 @ 21:12:04 Job Ticket #: 041988 DST #: 3

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

RILOBITE	DRILL STEM TES Baird Oil Company, LLC.			Anna Unit #1-	2
ESTING , INC					
	113 W Main Logan, KS 67646			w Norton, KS et: 041988	DST#:3
	ATTN: Richard Bell		Test Star	t: 2011.04.12 @	
SENERAL INFORMATION:					
ormation: LKC "D" leviated: No Whipstock: ime Tool Opened: 23:43:04 ime Test Ended: 21:12:04	ft (KB)		Test Typ Tester: Unit No:	e: Conventiona Kevin Mack 46	Il Bottom Hole
nterval: 3497.00 ft (KB) To 35 Fotal Depth: 3535.00 ft (KB) (The Hole Diameter: 7.88 inchesHole			Reference	ce ⊟evations: KB to GR/CF:	2225.00 ft (KB) 2216.00 ft (CF) 9.00 ft
Serial #: 8366 Inside Press@RunDepth: 822.36 psig Start Date: 2011.04.12	@ 3498.00 ft (KB) End Date:	2011.04.14	Capacity: Last Calib.:		8000.00 psig 2011.04.14
Start Time: 21:35:09	End Time:	21:12:04	Time On Btm: Time Off Btm		@ 23:40:34 @ 02:21:34
TEST COMMENT: IF: BOB in 45 se IS:BOB in 19 mi FF: BOBin 90 se FS: BOB in 43 r	nutes econds ninutes				
Pressure vs.	Time 8300 Temperature	True		SSURE SUM	
100 11		Time (Min.) 0 3 19 65 66 110 160 161	(psig) (d 1710.78 185.29 403.17 1266.42 1 429.63 822.36	Temp Annotation leg F) 92.00 Initial Hyd 91.55 Open To 99.93 Shut-In(1 00.56 End Shut 99.71 Open To 99.61 Shut-In(2 99.95 End Shut 99.83 Final Hyd	Iro-static Flow (1)) -In(1) Flow (2) ?) -In(2)
Recovery				Gas Rates	
Length (ft) Description 2400.00 oil	Volume (bbl) 32.57			Choke (inches) Pres	ssure (psig) Gas Rate (Mct/d

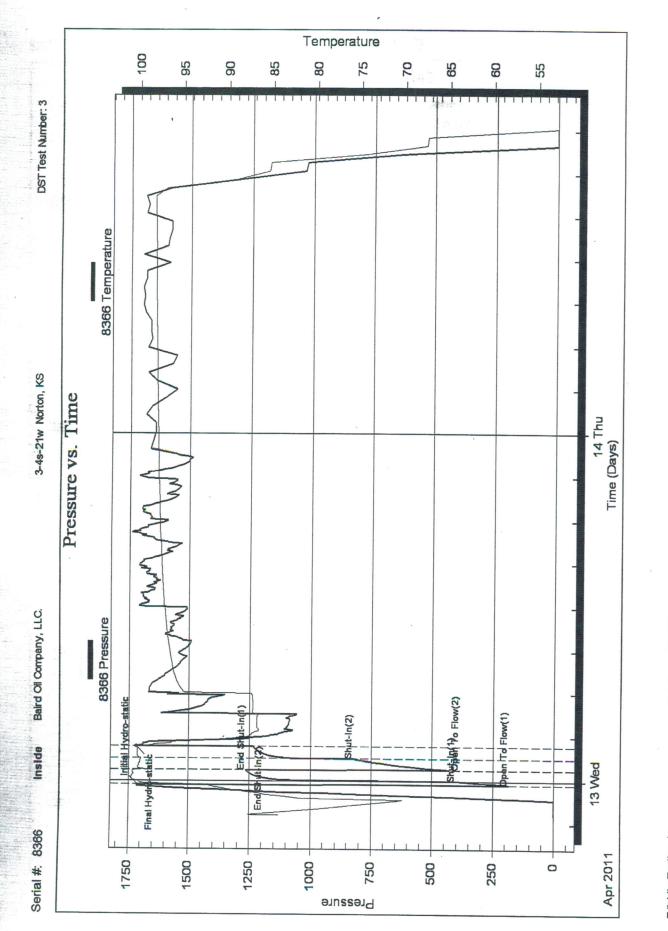
	RILOE	BITE			MTEST	NEFC				TOOL DIAG
Karal I	Statement of the local division of the local		Baird (Dil Company, I	LL°C.		Sic	des/Anna	Unit #1	-3
	ESI	TING , INC	113 44	Main KS 67646				s-21w Nor		S
							Job	Ticket: 0419	988	DST#:3
			ATTN:	Richard Bel	1		Tes	t Start: 2011	.04.12 @	21:35:09
Tool Information	on									
Drill Pipe:	Length:	3387.00 ft	Diameter	: 3.80 in	ches Volume:	47.51 bl	ol -	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter	0.00 in	ches Volume:			-	Packer	: 25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 in	ches Volume:	0.59 bl		Neight to Pull		lb
Drill Pipe Above I	VD.	30.00 ft			Total Volume:	48.10 bl		Tool Chased		ft
Depth to Top Pac		3497.00 ft					5	String Weight	: Initial	42000.00 lb
Depth to Bottom I		5497.00 ft						-	Final	lb
nterval between		18.00 ft								
Tool Length:		38.00 ft								
-	ers:	38.00 ft 2	Diameter:	6.75 in	ches					
Tool Length: Number of Packe Tool Comments: Bevators came o		2				but anchor b	oroke leavir	ng 8' in hole		
Number of Packe Tool Comments: Bevators came o	open after r	2 reversing flu	id, lost tool	i dow n hole. r						
Number of Packe Tool Comments: Bevators came of Tool Description	open after r	2 reversing flu	id, lost tool		ecovered tool	but anchor b Depth (ft) 3482.00				
Number of Packe Tool Comments:	open after r	2 reversing flu	id, lost tool n gth (ft)	i dow n hole. r	ecovered tool	Depth (ft)				
Number of Packe Tool Comments: Elevators came of Fool Descriptic Shut In Tool Hydraulic tool	open after r	2 reversing flu	id, lost tool ngth (ft) 5.00	i dow n hole. r	ecovered tool	Depth (ft) 3482.00		Lengths		Bottom Of Top Paol
Number of Packe Tool Comments: Bevators came of Fool Descriptic Shut In Tool Hydraulic tool Packer	open after r	2 reversing flu	id, lost tool ngth (ft) 5.00 5.00	i dow n hole. r	ecovered tool	Depth (ft) 3482.00 3487.00 3492.00				Bottom Of Top Pack
Number of Packe Tool Comments: Bevators came of Fool Descriptic Shut In Tool Hydraulic tool Packer Packer	open after r	2 reversing flu	ngth (ft) 5.00 5.00 5.00	i dow n hole. r	ecovered tool	Depth (ft) 3482.00 3487.00 3492.00 3497.00		Lengths		Bottom Of Top Pack
Number of Packe Tool Comments: Bevators came of Tool Descriptic Shut In Tool	open after r	2 reversing flu	id, lost tool ngth (ft) 5.00 5.00 5.00 5.00	i dow n hole. r	ecovered tool	Depth (ft) 3482.00 3487.00 3492.00 3497.00 3498.00		Lengths		Bottom Of Top Pack
Number of Packe Tool Comments: Bevators came of Tool Descriptic Shut In Tool Hydraulic tool Packer Packer Stubb	open after r	2 reversing flu	ngth (ft) 5.00 5.00 5.00 5.00 1.00	l dow n hole. r Serial No.	Position	Depth (ft) 3482.00 3487.00 3492.00 3497.00 3498.00 3498.00		Lengths		Bottom Of Top Pack
Number of Packe Tool Comments: Bevators came of Fool Description Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder	open after r	2 reversing flu	ngth (ft) 5.00 5.00 5.00 5.00 1.00 0.00	l dow n hole. r Serial No. 8366	Position	Depth (ft) 3482.00 3487.00 3492.00 3497.00 3498.00		Lengths		Bottom Of Top Pack
Number of Packe Tool Comments: Elevators came of Fool Description Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Recorder	open after r	2 reversing flu	id, lost tool ngth (ft) 5.00 5.00 5.00 1.00 0.00 0.00	l dow n hole. r Serial No. 8366	Position	Depth (ft) 3482.00 3487.00 3492.00 3497.00 3498.00 3498.00 3498.00		Lengths	Bot	
Number of Packe Tool Comments: Bevators came of Fool Description Tool Description Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Beforations Bullnose	open after r	2 reversing flu	ngth (ft) 5.00 5.00 5.00 1.00 0.00 0.00 14.00	l dow n hole. r Serial No. 8366	Position	Depth (ft) 3482.00 3487.00 3492.00 3497.00 3498.00 3498.00 3498.00 3512.00		Lengths 20.00	Bot	Bottom Of Top Pack

No. of Street, or Stre

Section Section

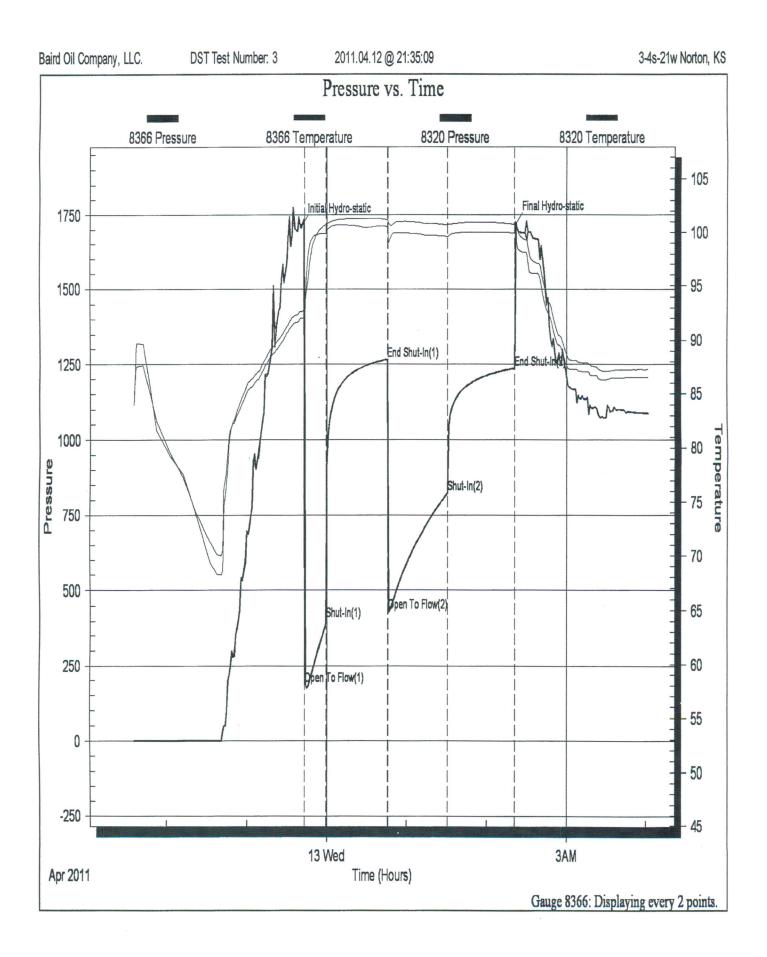
Research B

1000		DRI	LL STEM TEST F	REPORT	-		FLUID S	UMMARY
	RILOBITE	Baird C	Dil Company, LLC.		Sides/An	na Unit #1-3		
	ESTING , INC	113 W	Main		3-4s-21w	Norton, KS		
	_		KS 67646		Job Ticket: 0		DST#:3	
		ATTN:	Richard Bell		Test Start: 2	2011.04.12 @ 2	1:35:09	
Mud and C	Ushion Information							
Mud Type:			Cushion Type:			Oil API:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		ppm
Viscosity:	61.00 sec/qt		Cushion Volume:		bbl			
Water Loss: Resistivity:	6.39 in³ 0.00 ohm.m		Gas Cushion Type: Gas Cushion Pressure		psig			
Salinity:	1600.00 ppm		Gas Gashion Tressure		psig			
Filter Cake:	2.00 inches							
Recovery	Information					2		
			Recovery Table			Т		
r.	Leng ft	th	Description		Volume bbl			
	2	400.00	oil		32.573	3		
	Total Length:	2400	0.00 ft Total Volume:	32.573 bbl				
	Num Fluid Samp		Num Gas Bombs:	0	Serial #	ŧ		
	Laboratory Nan		Laboratory Location	n:				
	Recovery Com	nents: re	versed into water truck					



Printed: 2011.04.26 @ 21:32:53 Page 5

Ref. No: 041988



DST #4



DRILL STEM TEST REPORT

Prepared For: Baird Oil Company, LLC.

113 W Main Logan, KS 67646

ATTN: Richard Bell

3-4s-21w Norton, KS

Sides/Anna Unit #1-3

Start Date: 2011.04.16 @ 13:07:25 End Date: 2011.04.16 @ 19:04:55 Job Ticket #: 42579 DST #: 4

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

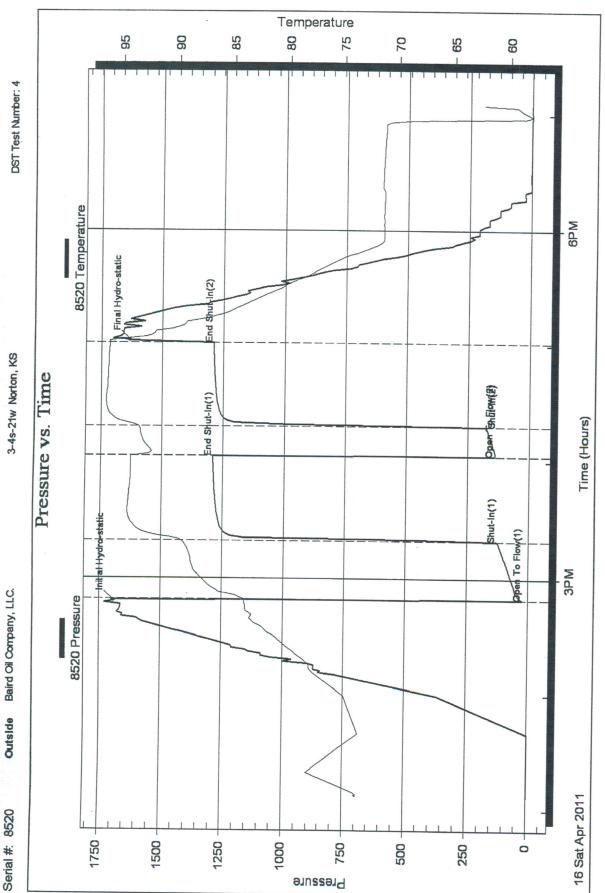
Bail of Unit Party, LLC. Sides/Anna Unit #1/3 Sides/Anna Unit #1/3 John Colligany, KS 67846 Job Ticket 42579 DST#: 4 ATTN: Richard Bell Test Start: 2011.04.16 @ 13:07.25 SENERAL INFORMATION: Test Start: 2011.04.16 @ 13:07.25 Somation: LKC "P" Davidation: No Whipstock: ft (KB) The Tool Openci: 335.00 ft (KB) (TVD) Total Deprin: 355.00 ft (KB) (TVD) Sold Dameter: 7.88 inchearble Condition: Fair Capacity: 8000 00 psig Bant Table: 2011.04.16 @ 17:02.25 Test Time: 2011.04.16 @ 17:02.25 Test Comment: St 8"-64 Min. FF B.087 Min SH 8"-64 Min. SH 8"-64 Min. FF B.0.87 Min SH 8"-64 Min. FF B.0.87 Min.	RILOBITE	DRILL STEM TES	ST REP	ORT			2	<u>, , , , , , , , , , , , , , , , , , , </u>
Logan, K8 Dog Trike Job Trike <t< td=""><td>And a state of the state of the</td><td>Baird Oil Company, LLC.</td><td></td><td>Si</td><td>des/Anna</td><td>a Unit #1-</td><td>3</td><td></td></t<>	And a state of the	Baird Oil Company, LLC.		Si	des/Anna	a Unit #1-	3	
ATTN: Richard Bell Test Start: 2011.04.16 @ 13.07.25 SENERAL INFORMATION: Formation: LKC "F" Deviated: No Whipstock: ft (KB) The Tool Opencie: 3351.00 ft (KB) (TVD) Test Type: Conventional Bottom Hole The Tool Opencie: 3555.00 ft (KB) (TVD) Reference Elevations: 2225.00 ft (KB) Sold Depth: 7.88 inches/ble Condition: Fair KB to GR/CF: 9.00 ft Serial #: 2011.04.16 End Date: 2011.04.16 Last Calls:: 2011.04.16 Sh & * 45 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. FF: B O.B 7 Min. Sh * 45 Min. FF: B O.B.	ESTING , INC							
Formation: LKC "F" Deviated: No Winjstock: ft (KB) Time Tool Opened: 14/48:55 Test Type: Conventional Bottom Hole Time Tool Opened: 19/04:55 Unit No: 38 Interval: 3511.00 ft (KB) To 3535.00 ft (KB) (TVD) Reference Blevations: 2225.00 ft (KB) Orall Depth: 7.83 InchesHole Condition: Fair KB to GR/CF: 9.00 ft Serial #: 2011.04.16 End Date: 2011.04.16 Last Callb.: 2011.04.16 Start Time: 13:07:26 End Time: 19:04:55 Time On Birr. 2011.04.16 @ 14:48:25 Time Off Birr. 2011.04.16 End Date: 2011.04.16 Last Callb.: 2011.04.16 @ 14:48:25 Start Time: 13:07:26 End Time: 19:04:55 Time On Birr. 2011.04.16 @ 17:02:25 TEST COMMENT: F- 8.0.B7 Min. Start Time Pressure (resp) Annotation Mish #"-46 Min. FF Down of the wave viciname Time On Birr. 2011.04.16 @ 17:02:25 Time Off Birr. 13:13:26 9:3.75 Ninkt-In(1) 13:13:28 9:3.75 Shut-In(1)		ATTN: Richard Bell						
Deviated: No Whipstock: ft (KB) Time Test Ended: 19:04:55 Test Type: Conventional Bottom Hole Time Test Ended: 19:04:55 Test Type: Conventional Bottom Hole Test Ended: 19:04:55 With No: 38 No Whipstock: Time Test Ended: 19:04:55 Reference Elevations: 2225:00 ft (KB) Total Depth: 278 inchesHole Condition: Fair KB to GRVCF: 9:00 ft Serial #: 8520 Outside Capacity: 8000.00 psig Shart Dele: 2011.04:16 Last Callb: 2011.04:16 @ 14:48:25 Time Of Btm: 2011.04:16 @ 14:48:25 Time Of Btm: 2011.04:16 @ 14:48:25 Time Of Btm: 2011.04:16 @ 17:02:25 Time Of Btm: 2011.04:16 @ 17:02:25 TEST COMMENT: F.B.O.B7 Min Sh & "-46 Min. FF.B.O.B30 Sec. FSI FSI- bitew 2'- 45 Min. FTme Pressure Norman Notation Time Of Btm: 2016.04:16 83:78 Initial Hydro-static 1 12:34 93:78 93:78 Mintu-h(1) 1 12:31:85 95:41	GENERAL INFORMATION:							
Ordel Depth: 3535.00 ft (KB) (TVD) 2216.00 ft (CF) hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 9.00 ft Serial #: 8520 Outside 600 District 600 District Press@RunDepth: 174.34 psig @ 3512.00 ft (KB) Capacity: 8000.00 psig Start Date: 2011.04.16 End Date: 2011.04.16 Last Calib.: 2011.04.16 2014.448.25 Start Time: 13:07:26 End Time: 19:04:55 Time Off Btm: 2011.04.16 @ 17:02:25 TEST COMMENT: FF-B.O.B 7 Mn Sh 8* - 45 Mn. Sh 8* - 45 Mn. FF FF-B.D.B 30 Sec. FF FF Sole.30 Sec. FF File New 2*- 45 Mn. Pressure Time Time Off Btm: 2011.04.16 B3:78 13:0:0:2 94.18 Sole.30 Sec. FF Hole Net Hydro-static 13:0:0:2 94.18 Bd Shut-h(1) 130.62 94.18 Bd Shut-h(1) 13:0:0:2 94.18 Bd Shut-h(2) 96.15 End Shut-h(2) 96.15 End Shut-h(2)		ft (KB)		Tes	ster: C	Cody Bloedo		Hole
Press@RunDepth: 174.34 psig @ 3512.00 ft (KB) Capacity: 8000.00 psig Start Date: 2011.04.16 End Date: 2011.04.16 Last Calib.: 2011.04.16 2011.04.16 Start Time: 13:07:26 End Time: 19:04:55 Time On Btm: 2011.04.16 @ 14:48:25 Time: 13:07:26 End Time: 19:04:55 Time On Btm: 2011.04.16 @ 17:02:25 EST COMMENT: F- B.O.B7 Min SH 8*- 45 Min. FF- B.O.B30 Sec. FSI- blew 2'- 45 Min. FF- B.O.B 30 Sec. FSI- blew 2'- 45 Min. Time Pressure Temp Annotation 0 1693.78 183.78 Initial Hydro-static 33.73 Open To Flow (1) 131 130.62 89.57 Shut-h(1) End Shut-h(2) 90 174.34 Shut-h(2) 90 174.34 133 1290.57 96.15 End Shut-h(2) Final Hydro-static 133 1290.57 96.15 End Shut-h(2) 133 129.57 95.41 Final Hydro-static 133 1290.57 96.15 End Shut-h(2) Final Hydro-static 133 129.57 134	Total Depth: 3535.00 ft (KB) (T	/D)		Ref			2216	.00 ft (CF)
ISI- 8"- 45 Min. FE- B.O.B 30 Sec. FSE- blew 2"- 45 Min. PRESSURE SUMMARY Time Time PRESSURE SUMMARY Time	Press@RunDepth: 174.34 psig Start Date: 2011.04.16	End Date:		Last Cal Time On	ib.: Btm: 2	2011.04.16 @	2011.04. ② 14:48:	.16 :25
Image: set of the set	FF- B.O.B 30 S							
Time Pressure Temp Annotation 00 1693.78 83.78 Initial Hydro-static 00 1693.78 83.73 Open To Flow (1) 31 130.62 89.57 Shut-In(1) 74 1291.82 94.18 End Shut-In(1) 75 142.35 93.73 Open To Flow (2) 90 174.34 93.44 Shut-In(2) 90 174.34 93.44 Shut-In(2) 133 1290.57 96.15 End Shut-In(2) 134 1631.85 95.41 Final Hydro-static Final Hydro-static		me		PI	RESSUR		ARY	
COD Contract 74 1291.82 94.18 End Shut-In(1) 90 174.34 93.73 Open To Flow (2) 90 174.34 93.44 Shut-In(2) 90 174.34 96.15 End Shut-In(2) 91 133 1290.57 96.15 End Shut-In(2) 91 134 1631.85 95.41 Final Hydro-static Gas Rates Choke (inches) Pressure (psig) Gas Rate (Mct/d) Choke (inches) Pressure (psig) Gas Rate (Mct/d)	8500 Pressure 9500	- 05	(Min.) 0 1	(psig) 1693.78 24.54	(deg F) 83.78 83.73	Initial Hydro Open To Flo	-static	
Image: Contract of the second seco		00 To 100	74 75	1291.82 142.35	94.18 93.73	End Shut-In Open To Flo		
Image Image <th< td=""><td></td><td>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</td><td>133</td><td>1290.57</td><td>96.15</td><td>End Shut-In</td><td></td><td></td></th<>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	133	1290.57	96.15	End Shut-In		
Length (ft) Description Volume (bbl) 434.00 GO 80%O, 20%G 4.96	0							
Length (ft) Description Volume (bbl) 434.00 GO 80%O, 20%G 4.96	Recovery				Gas	Rates		
		Volume (bbl)			1		e (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Printed: 2011.04.26 @ 21:34:08 Page 2

	RILOE	SILE		il Company,		and a second	Sides/Anna U	TOOL DIAGR
THE A	EST	TING , INC					SidesAina	///// #1-0
	LUI	1140, 1140	110 441				3-4s-21w Nort	on, KS
			Logan,	KS 67646			Job Ticket: 42579	DST#:4
			ATTN:	Richard Be	÷11		Test Start: 2011.	04.16 @ 13:07:25
Tool Informatio	n							
Drill Pipe:	Length:	3383.00 ft	Diameter:	3.80	inches Volume:	47.45 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches Volume:	0.00 bbl	Weight set on	Packer: 25000.00 lb
Drill Collar:	Length:	124.00 ft	Diameter:	2.25	inches Volume:	0.61 bbl	Weight to Pull	Loose: 48000.00 lb
	/D.	24.00 ft			Total Volume:	48.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above H Depth to Top Pac		3511.00 ft					String Weight:	Initial 44000.00 lb
Depth to Bottom F		5511.00 ft						Final 46000.00 lb
nterval between		24.00 ft						
Tool Length:	racitoro.	52.00 ft						
Number of Packe	rs:	2	Diameter:	6.75	nches			
Fool Comments:								
		Lei		Serial No.	Position		Accum. Lengths	
Change Over Sub		Lei	1.00	Serial No.	Position	3484.00	Accum. Lengths	
Change Over Sub Shut In Tool		Lei	1.00 5.00	Serial No	Position	3484.00 3489.00	Accum. Lengths	
Change Over Sub Shut in Tool Hydraulic tool		Lei	1.00 5.00 5.00	Serial No.	Position	3484.00 3489.00 3494.00	Accum. Lengths	
Change Over Sub Shut In Tool Hydraulic tool Jars		Le	1.00 5.00 5.00 5.00	Serial No.	Position	3484.00 3489.00 3494.00 3499.00	Accum. Lengths	
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint		Lei	1.00 5.00 5.00	Serial No.	Position	3484.00 3489.00 3494.00	Accum. Lengths	Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer		Lei	1.00 5.00 5.00 5.00 3.00	Serial No.	Position	3484.00 3489.00 3494.00 3499.00 3502.00		Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 3.00 5.00	Serial No.	Position	3484.00 3489.00 3494.00 3499.00 3502.00 3507.00		Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		Lei	1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No.	Position	3484.00 3489.00 3494.00 3499.00 3502.00 3507.00 3511.00		Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		Lei	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00			3484.00 3489.00 3494.00 3502.00 3507.00 3511.00 3512.00		Bottom Of Top Pack
Tool Descriptic Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		Lei	1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00		Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		Lei	1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00	8354	Inside	3484.00 3489.00 3494.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00		Bottom Of Top Pack
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	D	Ler	1.00 5.00 5.00 5.00 5.00 4.00 1.00 0.00 0.00 20.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00 3532.00	28.00	
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	D		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 20.00 3.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00 3532.00	28.00	
Change Over Sut Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	D		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 20.00 3.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00 3532.00	28.00	
change Over Sub hut In Tool lydraulic tool ars afety Joint acker tubb ecorder ecorder erforations ullnose	D		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 20.00 3.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00 3532.00	28.00	
Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	D		1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 20.00 3.00	8354	Inside	3484.00 3489.00 3499.00 3502.00 3507.00 3511.00 3512.00 3512.00 3512.00 3532.00	28.00	

(On-	RILOBITE	DRI	LL STEM TEST F	REPORT	Г	F	
	Contraction of the second s	Baird C	Dil Company, LLC.		Sides/An	na Unit #1-3	
	ESTING , INC		Main KS 67646		3-4s-21w Job Ticket:	Norton, KS 42579	DST#:4
		ATTN:	Richard Bell		Test Start:	2011.04.16 @ 13	:07:25
Mud and Cu	shion Information						
<i>fl</i> ud Type: Ge <i>fl</i> ud Weight: /iscosity: Vater Lcss:	el Chem 9.00 lb/gal 51.00 sec/qt in ^s		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type:		ft bbl	Oil API: Water Salinity:	29 deg API ppm
Resistivity: Salinity: Filter Cake:	ohm.m 1200.00 ppm inches		Gas Cushion Pressure		psig		
Recovery In	formation						
			Recovery Table			-	
	Leng ft	th	Description		Volume bbl		
		434.00	GO 80%O, 20%G		4.95		
	Total Length:	15.00	GOCM 60%M, 20%G, 20%O .00 ft Total Volume:	5.168 bbl	0.21	<u>o</u>	
	Num Fluid Sam Laboratory Nan Recovery Com	oles:0 ne:	Num Gas Bombs: Laboratory Locatior	0	Serial #	ŧ	



Printed: 2011.04.26 @ 21:34:08 Page 5

42579 Ref. No:



DRILL STEM TEST REPORT

Prepared For:

Baird Oil Company, LLC.

113 W Main Logan, KS 67646

ATTN: Richard Bell

3-4s-21w Norton, KS

Sides/Anna Unit #1-3

 Start Date:
 2011.04.17 @ 00:36:25

 End Date:
 2011.04.17 @ 07:54:25

 Job Ticket #:
 42580
 DST #: 5

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

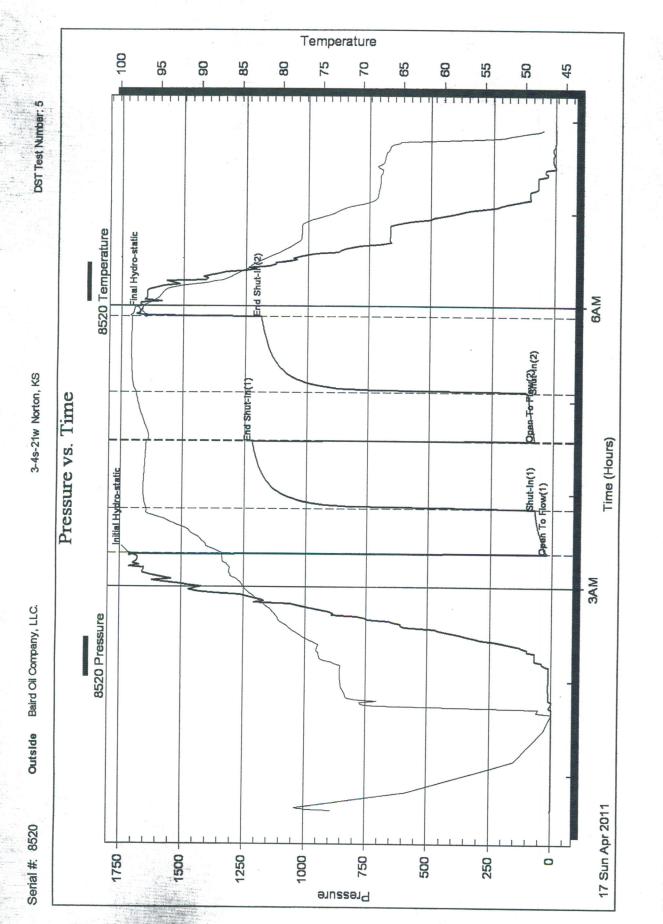
2011.04.17

DST # 5

	DRILL STEM TES		OPT	-			
RILOBITE	Baird Oil Company, LLC.	SIKEP					
TESTING, INC			SIC	des/Ann	a Unit #1	-3	
	113 W Main Logan, KS 67646		3-4	s-21w N	lorton, KS	5	
			Job	Ticket: 4	2580	DST#: 5	;
	ATTN: Richard Bell		Tes	t Start: 2	011.04.17 @	00:36:25	
GENERAL INFORMATION:							
Formation: LKC "G" Deviated: No Whipstock: Time Tool Opened: 03:21:25 Time Test Ended: 07:54:25	ft (KB)		Tes	ter:	Conventiona Cody Bloede 38	al Bottom Hol orn	9
Interval: 3535.00 ft (KB) To 35 Total Depth: 3550.00 ft (KB) (TV	D)		Ref	erence E	evations:	2225.00 2216.00	
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB	to GR/CF:	9.00	ft
Serial #: 8520 Outside Press@RunDepth: 104.72 psig 0 Start Date: 2011.04.17 00:36:26 Start Time: 00:36:26 0 TEST COMMENT: IF-6 1/2'' - 30 Min ISF Surface Blow	End Date: End Time:	2011.04.17 07:54:25	Capacity Last Calil Time On Time Off	o.: Btm:	2011.04.17 2011.04.17		psig
FF- 5" - 30 Min. FSI- Surface blow							
Pressure vs. Tit	ne		PF	RESSUF	RE SUMM	ARY	
9520 Presure 1900	000 Temperture 100 100 100 100 100 100 100 10	Time (Min.) 0	Pressure (psig) 1709.74 19.29	Temp (deg F) 87.21 87.09		o-static	
200	New Martin	30	72.03	96.49	Shut-In(1)	.,	
		73 74	1220.24 77.10	96.60 96.37	End Shut-Ir Open To Fl		
700	75 77 77 77 77 77 77 77 77 77 77 77 77 7	105	104.72		Shut-In(2)	000 (2)	
200		153 153	1185.82 1651.50	98.46 98.63			
San Apr 2011 SAM Time (House)	54M						
Recovery				Gas	Rates		
Length (ft) Description	Volume (bbl)			Choke (in		e (psig) Gas	Rate (Mcf/d)
186.00 MCO 60%M, 30%W, 10%C) 1.48	L					
30.00 Free oil	0.42						

ADAT	RILOE	RITE	DRI	LL ST	EM TEST	REPC	DRT		TOOL D	IAGRA
	Supply and the supply is not			il Company	, LLC.		Sides/Anna	Unit #1	-3	
	ES1	TING , INC	113 W	Main			3-4s-21w No	orton, K	S	
			Logan,	KS 67646			Job Ticket: 425	580	DST#:5	
			ATTN:	Richard Be	ell		Test Start: 201	1.04.17 @	00:36:25	
Tool Informatio	on									
Drill Pipe:	Length:	3417.00 ft	Diameter:	3.80	inches Volume:	47.93 b	bl Tool Weight	:	2500.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches Volume:	0.00 b			25000.00 lb	
Drill Collar:	Length:	124.00 ft	Diameter:	2.25	inches Volume:	0.61 b			48000.00 lb	
Drill Pipe Above H	(B·	34.00 ft			Total Volume:	48.54 b	bl Tool Chase	d	0.00 ft	
Depth to Top Pac		3535.00 ft					String Weig	ht: Initial	42000.00 lb	
Depth to Bottom I		5555.00 ft						Final	44000.00 lb	
nterval between		15.00 ft								
Tool Length:		43.00 ft								
Number of Packe	rs:	2	Diameter:	6.75	inches					
Tool Comments:										
Tool Descriptic	on	Lei	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths			
Change Over Sul	0		1.00			3508.00				
Shut In Tool			5.00			3513.00				
hydraulic tool			5.00			3518.00				
lars			5.00			3523.00				
Safety Joint			3.00			3526.00				
Packer			5.00			3531.00	28.00		Bottom Of Top	n Packa
Packer			4.00			3535.00	20.00		Doctori Or TO	Taure
Stubb			1.00			3536.00				
erforations			1.00			3537.00				
ecorder			0.00	8354	Inside	3537.00				
Recorder			0.00	8520	Outside	3537.00				
erforations			10.00			3547.00				
Bulinose			3.00			3550.00	15.00	Rot	tom Packers &	Ancher
Τ.	otal Tool	Length:	43.00				10.00	200		

10A7	RILOBITE	DR	ILL STEM TEST REPOR	Г	FLU	JID SUMMARY
	THEODITE	Baird	Oil Company, LLC.	Sides/An	na Unit #1-3	
	ESTING , INC	113 W	Main	3-4s-21w	Norton, KS	
		Logan	, KS 67646	Job Ticket:		ST#: 5
		ATTN:	Richard Bell	Test Start: 2	2011.04.17 @ 00:36	:25
Mud and Cus	hion Information					
Mud Type: Gel	Chem		Cushion Type:		Oil API:	22 deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt		Cushion Volume:	bbl		
Water Loss:	in³		Gas Cushion Type:			
Resistivity:	ohm.m		Gas Cushion Pressure:	psig		
Salinity: Filter Cake:	1200.00 ppm inches					
Recovery Info	ormation					
			Recovery Table		_	
	Leng ft	th	Description	Volume bbl		
		186.00	MCO 60%M, 30%W, 10%O	1.48	D	
		30.00	Free oil	0.42	1	
	Total Length:	216	.00 ft Total Volume: 1.901 bbl			
	Num Fluid Samp	les: 0	Num Gas Bombs: 0	Serial #	÷.	
	Laboratory Nan	ne:	Laboratory Location:			
	Recovery Com	nents:				
						1

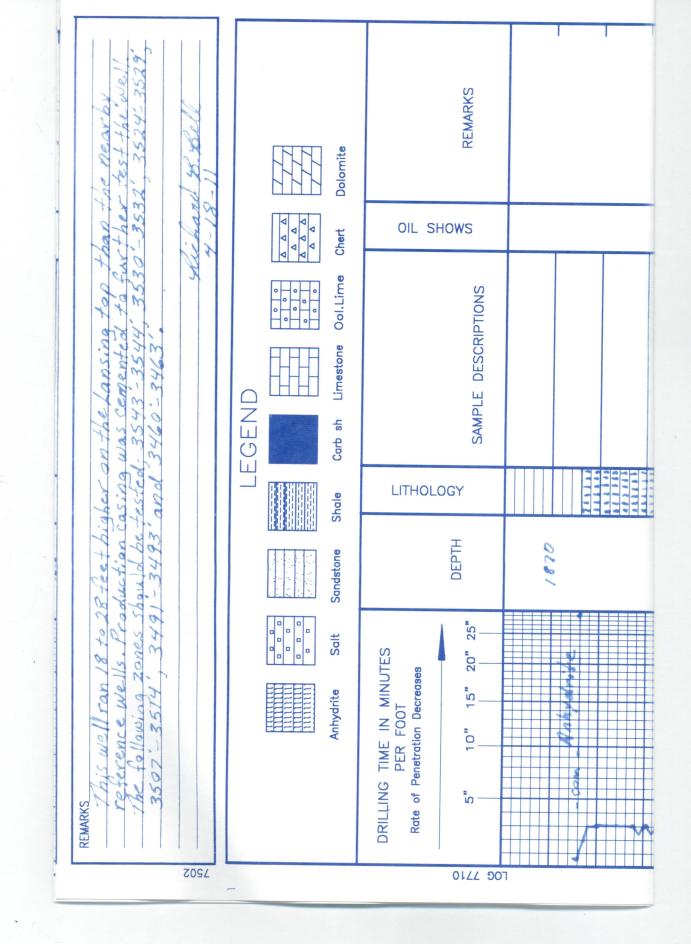


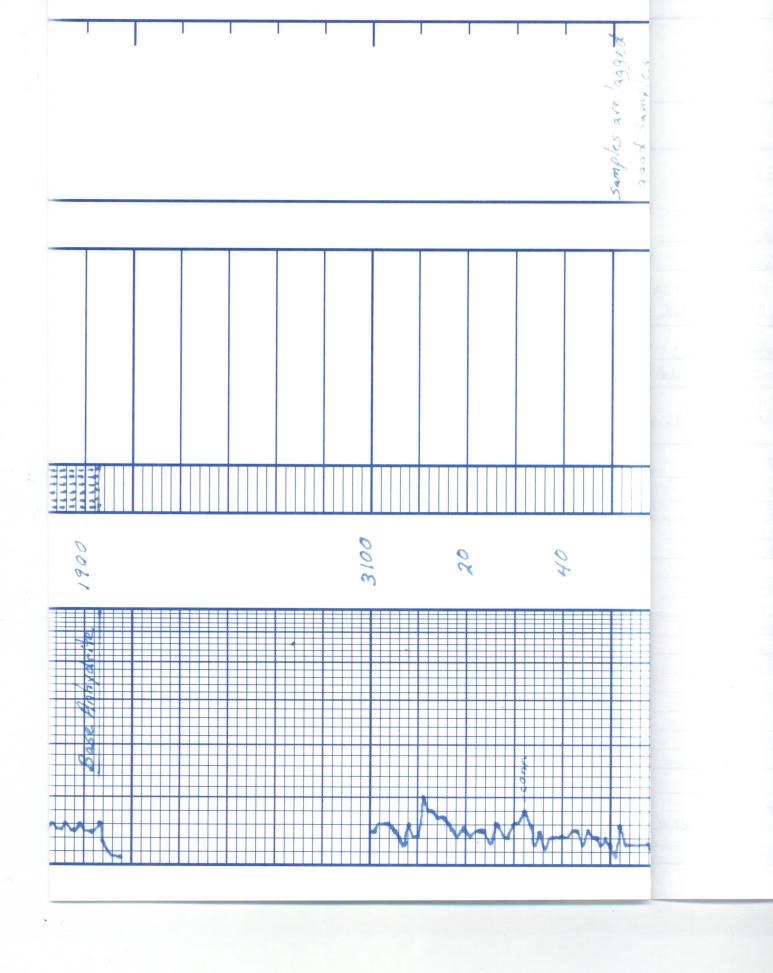
Printed: 2011.04.26 @ 21:34:40 Page

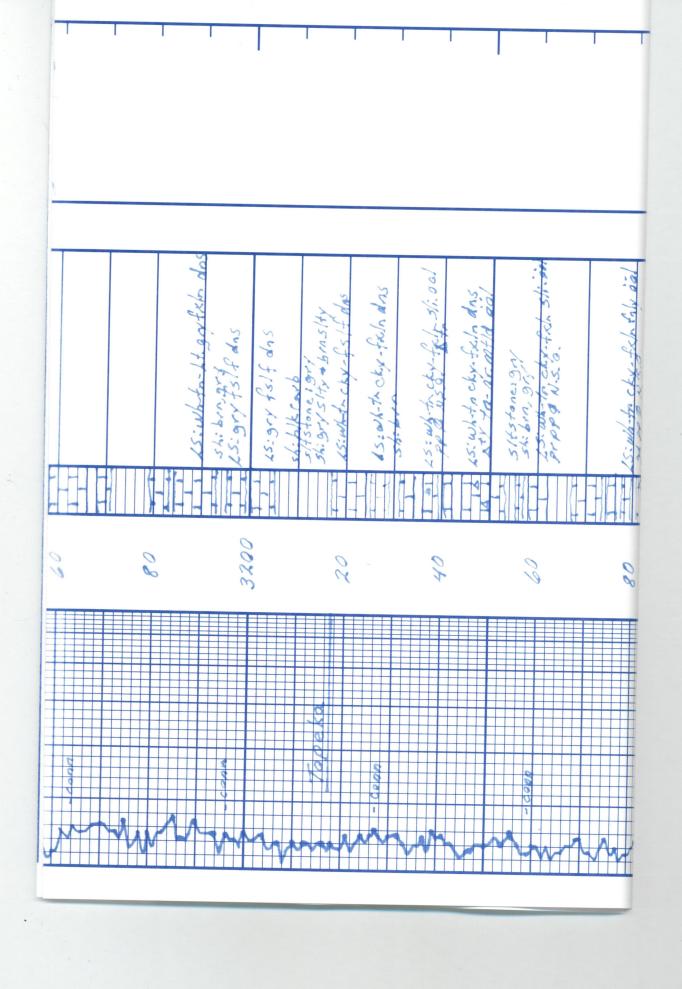
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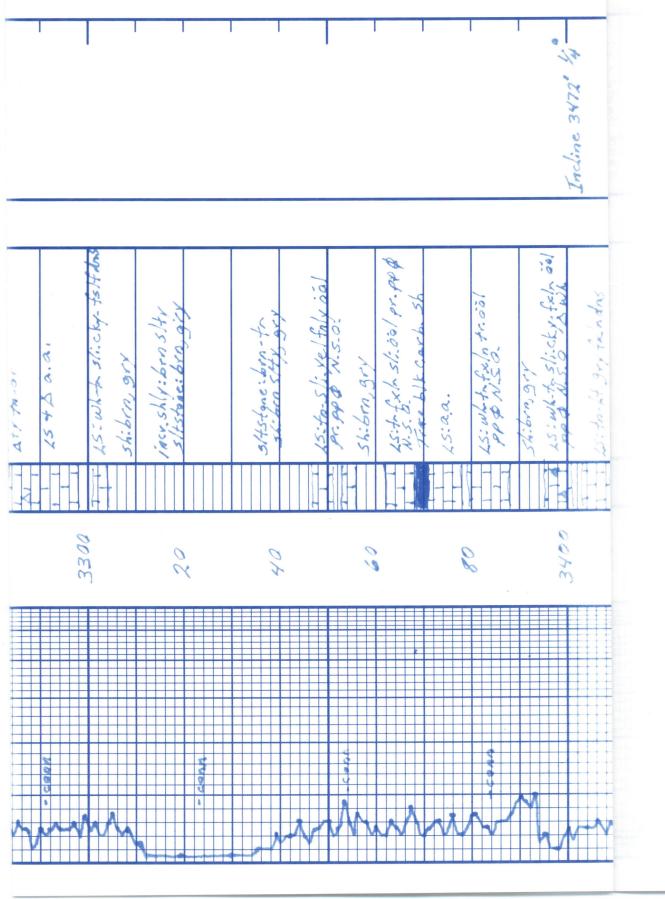
Ref. No: 42580

A.P.I. # 15-137-20553-00-00 GEOLOGICAL REPORT DRILLING TIME AND SAMPLE LOG COMPANY Baird Oil Company, LLC ELEVATION LEASE Sides/Anna Unit #/-3 KB 2225 FIELD Wildcat DF 2223 LOCATION 2585 FNL+1450 FEL 222 GI SEC <u>3</u> TWSP <u>45</u> RGE <u>21</u> Depths Measured From COUNTY Norton STATE Kansas Log<u>KB.</u>Drilling<u>KB.</u> CASING Surface CONTRACTOR WWDrilling Rig # 8 Production 51/2 @3730 SPUD 4-8-11 COMP 4-18-11 ELECTRIC LOGS SAMPLES SAVED FROM 3200' TO R.T.D. Superior Wall Sarvises FORMATION TOPS AND STRUCTURAL POSITION В С D E. LOG DATUM A SAMPLE FORMATION -0--8-1876 1876 + 349 Anhydrite + 338 + 331 Base Anhydrite 1903 + 322 + 398 + 301 1903 3217 - 992 -1019-1008 Topeka 3212 3418 3418 - 1193 -1218-1299 Heepner -1243-1235 3443 - 1218 3443 Toronto 3458-1233 -1261-1251 ansing 3458 -1451-1440 Base Kansas Cit 3647-1422 3646 Marmaton 3683 3683-1458 -1490 3718 -1493 3718 Precambrian -1550-1534 TotalDeoth 3731-1506 3730 REFERENCE WELLS Nat 1, Assoc. Peter Ray Sides#1, C. NW-SW Sec. 3-45-21W Baird Gillo, 11C. Annatt 1-10, 2160 FSI +1870 FWL Sec. 10-45-21W С Port Callar @ 1847' D



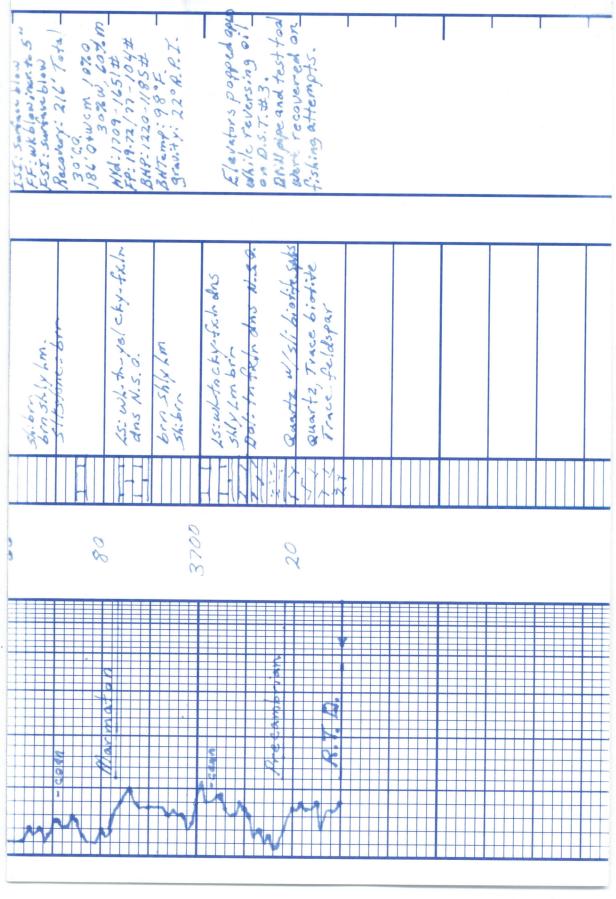






Board 3481.22 Strap 3479.06 Diff 2.16	15741 3449-3472 DST41 3449-3472 30-45-30-45 IF: B.O.B. in 7'2 MOIN. IST: 2" 61000 back	FSE: 7" Washerch Recevery: 682 6 T.P. 222 Total fluid 121 6 Mcc 3= 7.6 50 70 121 6 Mcc 3= 7.6 50 70 HVX: 1711 - 1675 4	FP: 19-86/ 95-133# - BHP: 1267-1250# BHTEMP: 1000 F Bravity: 400 N.P.L.	DST#2 3477, 3502 - 30-45.30-45 IF.B.O.B. in 19 min. IST: Swrface blow	851: 1" 610 " Recovery: 213 Total 31 MCD 7580 252 M 62 GMC0 2026, 702 D 60 GMC0 5076, 407 0	NYA: 1728- 1696 2026, 507.00
		<i>Z</i>		2		77
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20	40	н. С С	80	.CC.	20 C	i vi
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BHP: 1255 -1235 E BHTEMP: 97°F. BHTEMP: 97°F. 33-45-30-45 FF: B.O.B. in 1972min. FF: B.O.B. in 1972min. FF: B.O.B. in 1972min. FST: B.O.B. in 43min.	2400'0:) 2400'0:) 180'C.O. dumped 180'C.O. dumped 180': 1711-1718# 84P: 1266-1236# 84P: 1266-1236#	DST#4 3511-3535 30-45-15-45 TF.B.Q.B.in 7 min. TST: 8" 6/04 FF:B.0.B.in 30 Sec. FST: 2" 6/04 Resvery: 449 70:44	434 6.0. 2076 8070 15 60cm 2026, 8070 15 60cm 2026, 2070 692 M 692 24-130/142-174# 847cmp 96 F. 372014, 29° A.P.I.	DST#5 3535 - 3550' 30.45-30-45 IF: Whole initia 6 12"
LE Con 37 LE LS: Whytelp ad fr ppp LS: Whytelp ad Str ppp Arodot Duh, Argay LS: Whytelp ans LS: Whytelp ans Duh, Argry Shibrn, 3ry	5/757000 3/7 14 1 25:40:5ry mt/4f5/f dns 14 1 24.0.3ry 14 1 25:0/fk/n dns 56:6rn, 3ry	Les whith slicky-fully Les whith slicky-fully a sth wheal was aday Shibin slty gry shibilk sorta a str fribilk sorta a str fribilk sorta a str fribilk sorta a str	Shiben, 3ry 15: wh-trift an chy the 15: wh-trift an chy the 81k thick Stat 35tr 7. usphastick 1. f.a. 15: why trift yel fich 51:: chy das N. s. a.	shibinsly
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BILL TO

Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

We Ap	preo	ciate Your I	Business	5!				Total		\$4,158.33
		Cemen	t surface		mp	to	e,			
		Sidest		2/2011 2/2011 10402 415	83	3				
		Subtotal Sales Tax Norton Co	unty						7.05%	4,013.80 144.53
575D 576D-S 290 325 278 279 581D 583D		Mileage - 1 Way Pump Charge - Shall D-Air Standard Cement Calcium Chloride Bentonite Gel Service Charge Cem Drayage		500 Ft.)		5	1 150 4 3 150	Miles Job Gallon(s) Sacks Sack(s) Sack(s) Sacks Ton Miles	5.00 750.00 35.00 12.00 35.00 25.00 1.50 1.00	400.00 750.00 35.00T 1,800.00T 140.00T 75.00T 225.00 588.80
PRICE			DESCRIPT	ION		QTY	ſ	UM	UNIT PRICE	AMOUNT
Net 30	#1-3	Sides/Anna	Norton	WW Drilling #8		Oil	D	evelopment	Surface	Dave
TERMS	Well N	lo. Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	e Operator

Thank You!						A SH	
		terials and services listed on this ticket.	ledges receipt of the mail	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	R ACCEPTANCE OF MAT		SWIFT OPERATOR
4158 33	TOTAL	CUSTOMER DID NOT WISH TO RESPOND		100-7-06-700	9	Not	00000
		THOUR SERVICE?	ARE YOU SATISFIED W		A.M.	TIME SIGNED	DATE SIGNED
144 53	norton TAX 7.05%	UIPMENT	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		č	START OF WORK OR DELIVERY OF GOODS	START OF WORK OR DELIV
		DELAY?	MET YOUR NEEDS? OUR SERVICE WAS	SWIFT SERVICES, INC.		TY provisions.	LIMITED WARRANTY provisions
4013 80	PAGE TOTAL	ORMED AGREE DECIDED AGREE	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	REMIT PAYMENT TO:	s and agrees to of which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to DAYMENT DELEASE INDEMNITY and	LEGAL TERMS: Cu the terms and condition but are not limited to
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35 00		1 GAz		Ohia			290
-+	na ax			fung SERVICE	~		5765
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AMOUNT	UNIT	QTY. UM QTY. UM		DESCRIPTION	LOC ACCT DF	SECONDARY REFERENCE/ PART NUMBER	PRICE
					IONS	INVOICE INSTRUCTIONS	REFERRAL LUCATION
	WELL LOCATION	KS-WZ-20553	× WEL	DEELOP SURACE		OK	4.
	ORDER NO.	SMORE	VIA 1	WEIL CATEGORY LIGB DUBDORE			3.
OWNER	2-1			KS / ANNAUNIN			1. HAS
OF	PAGE 1				CITY, STA		Services
42	19642				ADDRESS		
-	TICKET			BAIRD Die		VIFT	1S

JOB L	OG				SWIFT S	ervices	Inc.	DATE 04-08-11 PAGE NO
CUSTOMER	BAIRDON	L	WELL NO.		LEASE SADES/A	NA ANIT	100 50/05	тіскет NO. 19642
CHART NO.	TIME	RATE (BPM)	VOLUME (BBD) (GAL)	PUMPS T C	PRESSURE (PS	SI) ASING	DESCRIPTION OF OPER	
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							THAN INT	1!
							DAVE, JOSAB	
							JAVE, VERD	VAUD



- Acidizing
- Cement
- Tool Rental

Baird Oil Company LLC PO Box 428 Logan, KS 67646

BILL TO

TERMS	Well N	lo. Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	Operator
Net 30	#1-13	3 Sides/Anna	Norton	WW Drilling #8		Oil	D	evelopment	LongString	Dave
PRICE	REF.		DESCRIPT	ION		QTY	Y	UM	UNIT PRICE	AMOUNT
575D 578D-L 221 280 290 402-5 403-5 404-5 406-5 407-5 411-5 325 326 276 277 283 285 581D 583D		Mileage - 1 Way Pump Charge - Long Liquid KCL (Clayfix Flocheck 21 D-Air 5 1/2" Centralizer 5 1/2" Centralizer 5 1/2" Port Collar 5 1/2" Port Collar 5 1/2" Insert Float SI 5 1/2" Insert Float SI 5 1/2" Recipo Scratc Standard Cement 60/40 Pozmix (2% C Flocele Gilsonite (Coal Seal Salt CFR-1 Service Charge Cem Drayage Subtotal Sales Tax Norton Co	et Plug & Baffle noe With Auto her Gel)) ent Sides Phr Sides Phr Cement 3	Fill Ry/20/204 Py/20/2011 190402 mg Unit 1-3- + other misc c nt production	Ru Kpen:	1,02 29.7: Mp Ch Ses us	1 2 500 2 11 1 1 1 1 1 1 1 1 1 1 30 200 40 50 280 ,550 100 240 23.06	Gallon(s) Gallon(s) Each Each Each Each Each Sacks Sacks Lb(s) Lb(s) Lb(s) Sacks Ton Miles	5.00 1,400.00 25.00 2.50 35.00 65.00 230.00 2,100.00 225.00 300.00 45.00 12.00 9.50 1.50 0.60 0.15 4.00 1.50 1.00 7.05%	400.00 1,400.00 50.00T 1,250.00T 70.00T 715.00T 2,100.00T 2,100.00T 1,350.00T 2,400.00T 380.00T 75.00T 168.00T 232.50T 400.00T 360.00 1,023.06
We A	ppre	ciate Your	Busines	s!		1		Tota	I ,	\$13,829.72

				-		MORINA	4
Thank You!				OVAL	APPROVAL	A. C.A.H.	SWIFT OPERATOR
	et.	aterials and services listed on this ticke	nowledges receipt of the ma	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket	OMER ACCEPTANCE OF	CUST	
01 120 101		CUSTOMER DID NOT WISH TO RESPOND		100-1-00-1-000			11-81-40
	TOTAL		ARE YOU SATISFIED W	705 700 3200	A.M.	TIME SIGNED	DATE SIGNED
2 701 16	1.05%		WE OPEKALED THE ECUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466		START OF WORK OR DELIVERY OF GOODS	START OF WORK OR D
ACT AS A LONG	Toth	DELAY?	PERFORMED WITHOUT	SWIFT SERVICES, INC.	DRIOP TO	LIMITED WARRANTY provisions.	LIMITED WARF
	305		MET YOUR NEEDS?		E, INDEMNITY, and	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	but are not limite
5038 56	PAGE TOTAL	DECIDED	OUR EQUIPMENT PERF	REMIT PAYMENT TO:	edges and agrees to ereof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include,	LEGAL TERMS: the terms and cor
Rogo		ACREE UN- DIS-	SUBVEY				
a) USO a	45 6	30 60		RECIPSSCUTCHERS	\ 		114
0 300 00	500 W	1 64		THERE FORT SHOE	\ \		407
215	225 00	1 64		LATCHDOWNING & BAFFIE	~		104
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a) a/0 00	230 6	1 64		BASHET	>		403
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0 50 00	25 00	2 Conc		LIQUIDHEL	/		221
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AMOUNT	PRICE	QTY. UM QTY. UM	0	DESCRIPTION	LOC ACCT DF	SECONDARY REFERENCE/ PART NUMBER	PRICE
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	53 + 4/121	15-15- 22553	15		DE	DIL	4.
	WELL LOCATION	PERMIT NO.		WELL CATEGORY JOB PURPOSE	WELL C	SALES WELL TYPE	
	ORDER NO.	ERED TO	VIA VIA	RIG NAME/NO.	CONTRACTOR		2. NESS
OWNER	1-18-11	DATE	STATE CITY	S ANNA LINT NORY I	NO. LEASE	WELL/PROJECT NO	SERVICE LOCATIONS
	PAGE			ODE	CITY, STATE, ZIP CODE	Services, Inc.	Serv
2							
49	19649			BAIRODIL	*	VIFI	S
T	TICKET				CHARGE TO:	A A A A A A A A A A A A A A A A A A A	

									SES	531	295	Sec.	077	276	Ja6	305	PRICE	Service	MS
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									2		<u>کی</u>	X		&	<u>لا</u>		LOC ACCT DF TIME	Ness City, KS 67560 Off: 785-798-2300	PO Box 466.
CHARGE TOTAL WEIGHT LOADED MILES	SERVICE CHARGE								MANACE	SELUCECHECONT	CF2+	SP	GUSSOLITE	FLOCELE	to-10 Jx 2 Jase	SED CM7	E	CUSTOMER BAIROUL	TICKET CONTINUATION
TON MILES	CUBIC FEET								1023.06 711	42 CY6	100 46	150 13	30 16	54	42 54	dw 54	QTY. U/M QTY. U/M	WELL / K3 / SIDES / ANNA UNIT	
			 -		 _	 		 	100	1 50	4 00	2	60	150	3 S	12 00	UNIT	DATE 4-18-11	TICKET No. 19649
		 	 					 	1023 06	360 00	400 00	232 50	168 00	00 52	00 06V	24000	AMOUNT	PAGE OF	

JOB LO	G				SWIFI	Servi	ces, Inc.	DATE OH-18-11 PAGE,NO.
CUSTOMER	BAIRDON	1	WELL NO.	}	LEASE SLOES/AN	INA LOW	JOB TYPE LONGSTRING	TICKET NO. 19649
CHART NO.	TIME	RATE (BPM)	VOLUME (BBD) (GAL)	PUMPS T C	PRESSUR		DESCRIPTION OF OPERATIO	
Construction of the local distance of the lo	095						ONCOCATION	
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-							CENT 1-10, BASIST 41	1847)
							RECIPISCUTTURES 1-10	3EA
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							DAVE, JOSH B. M.	ho
							DAR, USH DIR	035



BILL TO

Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	lo. Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	Operator
Net 30	#1-13	3 Sides-Anna	Norton	Alliance Well Ser		Oil	D	evelopment	Cement Port Colla	Dave
PRICE	REF.		DESCRIPT	ION		QTY	Y	UM	UNIT PRICE	AMOUNT
575D 576D-D 290 105 330 276 581D 583D		Ceme USe Side Side	pol Rental With Standard (MIE ent punty RY/a PY/a SAnn SAnn SAnn SAnna $SAnnaSAnnaSAnnaSAnna$ $SAnna$ $SAnnaSAnna$ $SAnna$ S		xper 21.1 21.1	2 chan ses 5 of	1 200 50 225 98.4	Lb(s) Sacks Ton Miles	5.00 1,100.00 35.00 300.00 15.00 1.50 1.00 7.05%	400.00 1,100.00 70.00T 3,000.00T 75.00T 337.50 898.40 6,180.90 242.87
We A	ppre	ciate Your	Busines	s!				Tota	I	\$6,423.77

Inang Iou:						APPROVAL		helt	SWIFT OPERATOR
		ces listed on this ticket.	lges receipt of the materials and services listed on this ticket	owledges receipt of	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowled	ANCE OF MATERIA	R ACCEPT.	CUSTOME	
6423 T-	TOTAL	TO RESPOND	CUSTOMER DID NOT WISH TO RESPOND	ARE YOU SATIS		P.M.		TIME SIGNED	DATE SIGNED
242 87	Tax gz	5 	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	WE OPERATED AND PERFORME CALCULATIONS SATISFACTORIL		7	R TO	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	MUST BE SIGNED BY CU START OF WORK OR DE
			DD AND DS? THOUT DELAY?	WE UNDERSTOC MET YOUR NEEL OUR SERVICE WI	SWIFT SERVICES, INC.		DEMNITY	but are not limited to, PAYMENT , RELEASE , INDEMNITY , and LIMITED WARRANTY provisions.	but are not limited to, PAYMENT , LIMITED WARRANTY provisions
6180 80	PAGE TOTAL	DECIDED AGREE	SURVEY AGREE MENT PERFORMED REAKDOWN?	OUR EQUIPMEN WITHOUT BREAK	REMIT PAYMENT TO:		s and agroups of which inv	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include,	LEGAL TERMS: (the terms and conc
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							SN	INVOICE INSTRUCTIONS	REFERRAL LOCATION
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	R NO.	ORDER NO.	DELIVERED TO	SHIPPED	NUES ANDA CADIT NOR TOP	N/Samo	CONTRACTOR	TICKET TYPE CON	
R	E OWNER	DATE	CITY	STATE	COUN	LEASE		WELL/PROJECT NO.	SERVICE LOCATIONS
	PAGE 1					CITY, STATE, ZIP CODE	CITY, ST	ices, Inc.	Services
4	19654				OIL	S DATACK	ADDRESS		
	TICKET				2		CHARGE TO:	VIET	CI

JOBLO	ĴG					SWIFT	Servi	ces, Inc.		DATE OSI-21-11 PAGE NO.
CUSTOMER	AIRDDIC		WELL NO.	3		LEASE	-ANNA	UNIT JOB TYPE PORTCOL	ith	TICKET NO. 19654
CHART NO.	TIME	RATE (BPM)	VOLUME	PUM		PRESSUR			OF OPERATION A	ND MATERIALS
	0830							ONLOCATION		
								CM7: 225	sus SM	0 14# Fro
								2318x51/2		
								Potraine	1847	
	0845							START TELETON	-12	
	0850							LOCATE P.C.		
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								Open PC	-	
	1010	2.0	30	/		300		InJRATE, GOOD.	BLOW	
		45	0	/		450		START CM7		
			5.0	-		C		CIEC-MUD		
No. of Concession, Name			97	-				CIPC. CMT TO P.		
			105	-				MIX DOSUSE KI#	-	
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