

Kansas Corporation Commission Oil & Gas Conservation Division

1061538

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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date 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 Approved by: Date:						

Side Two



Operator Name:			Lease	Name:			Well #:		
Sec Twp	S. R	East West	County	/:					
INSTRUCTIONS: Show time tool open and close recovery, and flow rates ine Logs surveyed. Atta	ed, flowing and shut- if gas to surface tes	in pressures, whether t, along with final char	shut-in pres	sure reach	ed static level,	hydrostatic press	sures, bottom h	ole tempe	erature, fluid
Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		Log	Formation	n (Top), Depth an	d Datum	□ s	ample
Samples Sent to Geolog	,	☐ Yes ☐ No		Name			Тор	D	atum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)		Yes No Yes No							
List All E. Logs Run:									
		CASIN Report all strings se	G RECORD	New	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei	ight	Setting Depth	Type of Cement	# Sacks Used		nd Percent
	Diffied	Set (III O.D.)	LDS.	/ I t.	Берш	Cement	Osed	Ac	luitives
		ADDITION	AL CEMENTI	NG / SQUE	EZE RECORD				
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks	s Used		Type and F	Percent Additives		
Plug Off Zone									
Shots Per Foot	PERFORATIO Specify Fo	N RECORD - Bridge Plootage of Each Interval P	ugs Set/Type erforated			cture, Shot, Cement nount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:	Packer A	At:	Liner Run:	Yes No			
Date of First, Resumed Pr	roduction, SWD or ENH	R. Producing Me	ethod:	ng Ga	as Lift	ther (Explain)			
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf	Water	Bk	ols. (Gas-Oil Ratio		Gravity
DISPOSITION	N OF GAS:		METHOD OF				PRODUCTIO	ON INTERV	AL:
Vented Sold	Used on Lease	Open Hole	Perf.	Dually C (Submit AC		nmingled mit ACO-4)			
(If vented, Subm	nit ACO-18.)	Other (Specify)							

Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Merlyn Worcester 1-11
Doc ID	1061538

Tops

Name	Тор	Datum
Anhydrite	1841	+356
Base Anhydrite	1873	+324
Topeka	3202	-1006
Heebner	3399	-1202
Toronto	3423	-1226
Lansing	3441	-1244
Base Kansas City	3629	-1432
Marmaton	3669	-1472
Basal Penn Sand	3696	-1499
Total Depth	3770	-1573

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



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

August 16, 2011

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

Re: ACO1

API 15-065-23737-00-00 Merlyn Worcester 1-11 NW/4 Sec.11-07S-22W Graham County, Kansas

Dear Production Department:

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



P. O. Box 466 Ness City, KS 67560 Off: 785-798-2300



Invoice

DATE	INVOICE#
8/2/2011	20982

BILL TO

Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement

Total

\$4,741.12

Tool Rental

TERMS	Well N	o. Lease	County	Contractor	Wel	I Туре	Well Category	Job Purpose	Operator
Net 30	#1-11	Merlin Worc	Graham	WW Drilling	(Oil	Development	Cement Surface	. Blaine
PRICE I	REF.		DESCRIPT	ION		QTY	/ UM	UNIT PRICE	AMOUNT
575D 576D-S 325 279 278 290 581D 583D		Cement	ounty R8/4/ P8/4/ S /9/ Worces &		1.12 chan	5	70 Miles 1 Job 150 Sacks 3 Sack(s) 4 Sack(s) 2 Gallon(s) 150 Sacks 15.2 Ton Miles	6.00 1,000.00 13.50 25.00 40.00 35.00 2.00 1.00	420.00 1,000.00 2,025.00T 75.00T 160.00T 300.00 515.20 4,565.20 175.92



CHARGE IO:	64100	07
ADDRESS		
CITY, STATE, ZIP CODE	CODE	

TICKET 20982

Services, Inc.		CITY, STATE, ZIP CODE			PAGE OF
SERVICE LOCATIONS 1. ASS CT XS	WELL/PROJECT NO.	Marin Worcepton	COUNTYPARISH	STATE CITY	DATE OWNER
2.	TICKET TYPE CONTRACTOR		RIG NAME/NO.	SHIPPED DELIVERED TO	ORDER NO.
	SALES	MM		10Cation	
ķ	WELL TYPE	WELL CATEGORY JO	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION
4.	0	Loveloomunt	comunity sufface pripe		11-75-2260
REFERRAL LOCATION	INVOICE INSTRUCTIONS				

but are not limited to, PAYMENT , RELEASE , INDEMNITY , and LIMITED WARRANTY provisions.	the terms and conditions on the reverse side hereof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to			583	581	290	278	Dr.C	325	5765	575	REFERENCE	PRICE
to, PAYMENT, NTY provisions	itions on the revi	Customer hereb								iii			PART NUMBER	SECONDARY REFERENCE/
RELEASE, IN	erse side hereo	/ acknowledge											MBER	EFERENCE/
DEM	fwhic	s and			-	*	-	-	-	-	-		LOC	A
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SWIET SE	XEMI T			0	Dragage	Ervice Charge Coment	D-AIR	Calcium Chloride	Bentonite gel	STANDARD coments	RUMP Charge	MILEAGE TRK		
CIVIET SERVICES INC	KEMII TAYMENI IO:		ž		•	arge Comen	•	hloride	gel	coment	ale.	K 114	DESCRIPTION	
						d				9				
WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	UR EQUIPMENT PE	SURVEY												
ND	ERFORMED WN?		 	 	14720 15	150 sk	200	4 5%	386	150 sk	l en	70 0	QTY. U/M	
		AGREE DECIL			815.2 TM	4.	1	6	6	X -	_	PM.	M QTY.	
		UN- DIS- DECIDED AGREE		 	ML	_			_				MVU	
	PAGEIOIAL			 	100	700	35700	40,00	25,00	13 150	1000 00	600	PRICE	UNIT
	4565 2				515	300	70	160	75	13 150 2025 loc	1000	arh de	AMOUNT	
	8			_	32	0	90	00	100	00	00	00		

X DATE SIGNED

TIME SIGNED

PA

NESS CITY, KS 67560

ARE YOU SATISFIED WITH OUR SERVICE?

ONO

TOTAL

4741

10

Thank You!

☐ CUSTOMER DID NOT WISH TO RESPOND

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

7.55% Meyer

175 90

PERFORMED WITHOUT DELAY?

785-798-2300

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

APPROVAL

SWIFT OPERATOR

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

LIMITED WARRANTY provisions

SWIFT SERVICES, INC.

P.O. BOX 466

JOB LOG

SWIFT Services. Inc.

DATE ALLS 11 PAGE NO.

JOB LO								ces, Inc. DATE ALGE 11 PAGE N
CUSTOMER	BAIRD	Oil	WELL NO.	1-11		MERLIN	WORD	ester Cement surface pipe TICKET NO. 20982
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMP	S C	PRESSUR TUBING		DESCRIPTION OF OPERATION AND MATERIALS
								15056 STD 2%9el 3%CC
								15056 STD 2%gel 3%CC 232' 88" pipe 24" Gjoints
			-					
	1900		-					on low TRK 114
								25"
	2002		-					Run 85" casing
	2040							1+
	zvu		1					Circulate H.D
-	2050	43					200	Pung 5661 H20 mix 150 sts 5TD 2% 3% @ 14.7 pp
	Cose	43	38				200	111/4 2 272 370 2 1 11 17 18
		430	135				200	Displace cement
			100					The Contract
	0910						ZOÒ	shut in casing
					7			jet callor - coment to surface
	0920			100				shut in casing jet collar - coment to surface wash up truck 10 sts top
								RACK up
	0945							job complete
			-					
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								Alexander and the second and the sec
							ý.	
32-								



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



Invoice

DATE	INVOICE#
8/9/2011	20988

BILL TO

Baird Oil Company LLC PO Box 428 Logan, KS 67646

We Appreciate Your Business!

- Acidizing
- Cement

Total

\$5,181.34

• Tool Rental

TERMS	Well N	10.	Lease	County	Contractor	We	II Туре	W	ell Category	Job Purpose	Operator
Net 30	#1-1	1	Merlin Worc	Graham	WW Drilling		Oil	D	evelopment	PTA	Blaine
PRICE	REF.			DESCRIPT	ION		QT	Y	UM	UNIT PRICE	AMOUNT
575D 576D-P 328-4 276 410-8 581D 583D		Pum 60/4 Floc 8 5/3 Serv Dray	8" Top Plug vice Charge Cemo yage	ent			60	1 205 50 1 205	Miles Job Sacks Lb(s) Each Sacks Ton Miles	6.00 1,000.00 11.50 2.00 100.00 2.00 1.00	420.00 1,000.00 2,357.50T 100.00T 100.00T 410.00 600.75
			Merlyn Cemen	R8/11/1 P8/11/1 ces 19 Worcest + + other o plug w	2011 0402 5181,3 er 1-11 - Pump misc exper	o Ohoses	arge,				



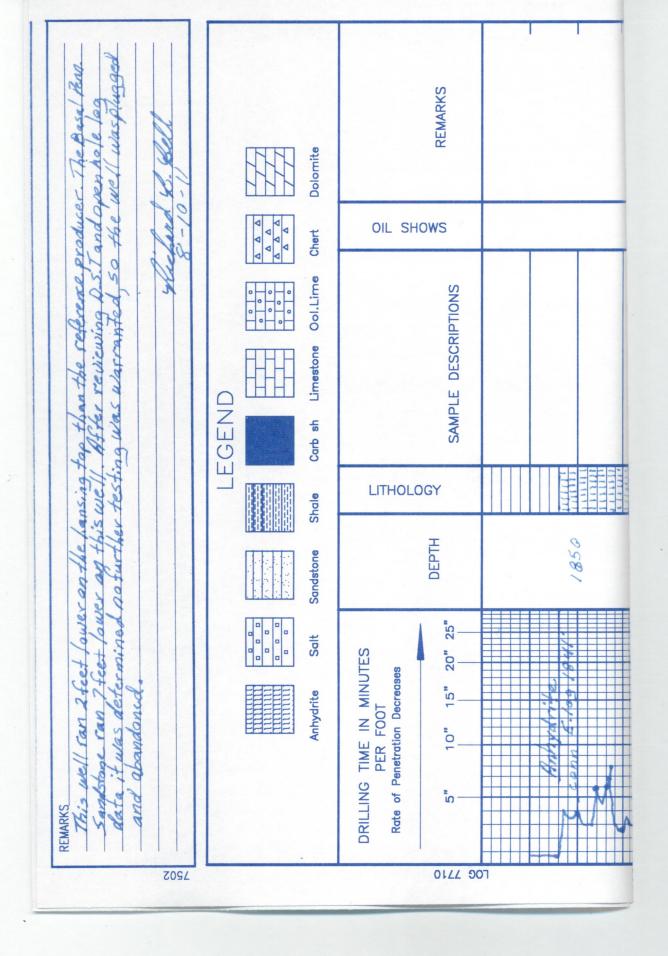
CHARGE IO:	PRIOR DI
ADDRESS	
CITY, STATE, ZIP CODE	

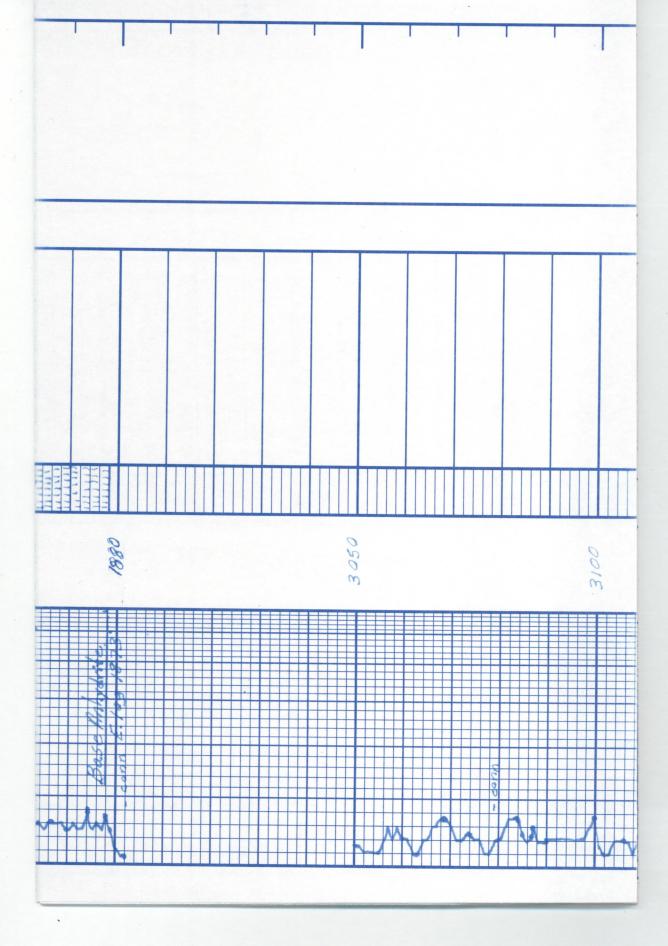
TICKET 20988

Thank You!							(Med 198)	
		s listed on this ticket.	es receipt of the materials and services listed on this ticket.	wledges receipt of th	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledged	MER ACCEPTANCE OF MAT	CUSIO	SWIFT OPERATOR
2101	1	RESPOND	CUSTOMER DID NOT WISH TO RESPOND	CUST				
12 - 21	TOTAL	NO	☐ YES			P.M.	TIME SIGNED	DATE SIGNED
193 09	7.55%		AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED MITH OUR SERVICES	AND PERFORMED CALCULATIONS SATISFACTORILY?	NESS CITY, KS 67560		A CLASSICAL COLORS	X
	2 - 6 - 50		HOUT DELAY?	PERFORMED WITH	•	RIOR TO	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO	MUST BE SIGNED BY CUS
			S AND	WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	CIVILET CEDVICES INC	INDEMNITY, and	LIMITED WARRANTY provisions.	LIMITED WARRANTY provisions
4988 25	PAGETOTAL	DECIDED AGREE	VEY AGREE PERFORMED DOWN?	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	REMIT PAYMENT TO:	ges and agrees to reof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include,	the terms and cond
		 						
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2357150	11 150		205 sk		60/40 Bzm. (4% gcl))		328-4
000000	100000		1 en		Kump Charge			5%P
as 02h	600		70 mi		MILEAGE TRY 114	-		575
AMOUNT	UNIT	QTY. U/M	QTY. U/M		DESCRIPTION	LOC ACCT DF	SECONDARY REFERENCE/ PART NUMBER	REFERENCE
							INVOICE INSTRUCTIONS	SELECTION SELECTION
	WELL LOCATION	WEI	WELL PERMIT NO.		CINCUIDING TO THE PORTOGE		WELL THE	4.
	ORDER NO.	ORI	DELIVERED TO	VIA	ww	CONTRACTOR	CE	ω Ιν
IER	1 AUG OWNER	P Q L	4.0 (1.4 CITY	STATE	MARCOSTELL	NO. 1-11 MARLIN	CHE IS WELL/PROJECT NO	1. SERVICE LOCATIONS
OF	PAGE 1				OE	CITY, STA	Services, Inc.	Serv

SWIFT Services, Inc. **JOB LOG** MARLIN WORCESTER Plug to Abandon CUSTOMER WELL NO. 1-11 BAIRD OT PRESSURE (PSI) VOLUME (BBL) (GAL) CHART DESCRIPTION OF OPERATION AND MATERIALS TIME TUBING CASING NO. 255ks @ 1865 100 @ 1040 @ 180 1730 loc TRK 114 pupfiest PLUG- @ 18651 2000 200 200 2165 21 2155 Dun 88" 105KS 2305 299D

APT. # 15-065-23737-00-00 GEOLOGICAL REPORT DRILLING TIME AND SAMPLE LOG COMPANY Baird Oil Campany LLG. ELEVATION LEASE Mercin Worcester #1-11 KB 2197 FIELD Wildcat DF 2195' LOCATION 480 FNL + 1030 FWI SEC // TWSP 75 RGE 22W Depths Measured From COUNTY Graham STATE Kansas Log KB Drilling KR CASING Surface 8 /8 23/ CONTRACTOR WWDrilling Rig #8 Production nane SPUD 8-2-11 COMP 8-9-11 ELECTRIC LOGS SAMPLES SAVED FROM 3150' TO RTD. Superior Well Services FORMATION TOPS AND STRUCTURAL POSITION FORMATION E. LOG D Anhydrite 1846 1841+ 356 Base Anhydrik 1878 1873 + 324 Tapaka 3205 3202 - 1006 -1004 3401 3399 - 1202 -1203 3423 -1226 3425 -1225 3443 3441-1244 -1242 3629-1432 3631 -1427 3670 3669-1472 -1470 Basal Penn Sand 3697 3696-1499 -1492 TotalDepth 3770-1573 3770 -1558 REFERENCE WELLS ABlack Diamond O. I. Inc. White #1, 470 FNL 4 1900 FEL Sec. 11-75-22W C D





Samples are lagged good Samples									
	15: who to - goy chr. followis	shierstong fors	45:30x mtldfslfdns	stations: 3ry Sh: 3ry	15: In- 31 fell Ans	54: 31 ym 11 61/6 dus		15: when 51: cty - feel sto col 36: 30 for str. 18 18 das 15: 30 y bry feel feel f das 15: 30 y mt ld feel f das	331 pp D N.S. 0.
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- Caso									M

10. pp & NSJ. 12. 45-904 msld fsH dns	15: Whith chyfelnthlyddl sti. prine gd pp frialde swhith bon NSO. 18: a a- lot fass frags.	15: whith cky takn decr.	Stiblk court Status Ls: to bern mlyfsHdus Ststone: gor shiben, gry	15: which fixln-slifs 14 dgs.	561 9043 2410 15: Whoth Chy-fuln 001 pr.	155 th - 15 born + 1/1 das.
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100, 100 3431 40 Board 3425.92 Strap 3425.21 Dift Trilobite Testing	77: 42-15-0 30-30-15-0 FF: No blow pulled tool FECOVERY: 5 05PX M HYA: 1694-1628# FP: 14-23/26# BHP: 1023# BHF: 1023#	DST#2 3458-3478	(
45. Wh-th. Slicky-felly 15: Wh-th. Slicky-felly 15: Wh-th-Kt. Bry tr.cky	Shill Carb 18/5/fans. Shill Carb Mild filf ans. Ushly grysty, ben statone: gry	15. wh-tn-yel Tr. suc. felh oil pp of it. st. 05 at. is suc. felh oil pp of it. st. 05 at. is suc. felh oil pp of it. st. 05 at. is suc. felh such oil 16. pp of URT pr. st. 05 th.	4 6 4 6
88			

BHTemf: 120 F. BHTemf: 120 F. DST#3 3488-3517 30-30-30-30 IF: B.O.B. ind 2 min. ISI:No blow FF: B.O.B. in 9 min.	751: Noblow Recovery: 630 Total 1, 9, 05 45 mcw 79' 05 45 mcw 550 wtr. 474: 1704-1678#	FP: 36-195/202.311# 844: 924-905# 84 Temp: /20-F. Chlorides: 93,000 4pm	DST#4 3570-3600 30-30-0 pullitas IF: 10 min. Surface blow	Kecovery: 1 896# HVd: 1810-1896# FP: 15-17# BHP: 20#	Di lang. 11 -
20.	in to		951150	0000	\$. 000
15: Wh th Chy - fel sli : 201 drk brn 5ptd 0 stn N. F.O. No dor Dry show or 15: tn-gry boln dns	15: whith fall soll god pp of 25 at 10 str. 34 in part of ft. 34 is str. 34.	15: white cky. Faludus	3	45: who myel - goy dy the dis	10 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Shibun, gry, grn LS: Whith Chy-fub. drk brn spłd ostn No odor Sty whith	the tah	tracky	54:61Kgagbas 25: 3ry 73/7 dns 65: whom cky-fx	h-yel-	LS-Wh-tracky-fall oigh
	15: wh 34:77 15:wh	15:wh	54:6 45:35 15:36	LS:Wht Sh: br	LS: Whistopher
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		D.S.T. #5 3673-3702 3a-30-90-45 IF: 2" blaw in 5 min decr.	F51: No blow Recovery: 460 Total 25 Ospto WCM 25 Ospto WCM 25 W, 757.M 60 MCW 707.W, 307.M 375' Wtr.	BHP: 1143-1129# BHP: 1143-1129# BHTomp: 126 F. Chloridos: 68,000ppm.
15: whth 30 gty faludus 15: whth Cky-faluppentie	15: a a shigghon ince shiggy bu	1.5: when an cky-falo los Shibon, any 15: when cky falo the Shi 25: when cky falo the Shi.	15.W. tr. fr. fr. 5d embedded 55 fr. gr. consol. " (asp. te. 7 steeding to ft. odor	15: Wheth clay-felt drs To sid propop 1550. Shiben, 3ry incr. Shiben, 3ry
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Sasse Marian Control				

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Prepared For: Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

11-7-22, Graham, KS

Merlin Worcester #1-11

Start Date:

2011.08.06 @ 03:35:51

End Date:

2011.08.06 @ 08:32:21

Job Ticket #: 44281

DST#: 1

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



Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

Merlin Worcester #1-11

11-7-22, Graham, KS

Job Ticket: 44281

DST#: 1

Test Start: 2011.08.06 @ 03:35:51

GENERAL INFORMATION:

Time Tool Opened: 05:51:51

Time Test Ended: 08:32:21

Formation:

Toronto

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Brett Dickinson

Unit No:

Reference Bevations:

2197.00 ft (KB)

2192.00° ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

Start Date:

Start Time:

3397.00 ft (KB) To 3431.00 ft (KB) (TVD)

Hole Diameter:

3431.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 6753 Press@RunDepth: **Outside**

23.02 psig @

2011.08.06 03:35:56

3398.00 ft (KB)

End Date: End Time:

2011.08.06

Capacity: Last Calib .: 8000.00 psig

08:32:20

Time On Btm

2011.08.06 2011.08.06 @ 05:50:51

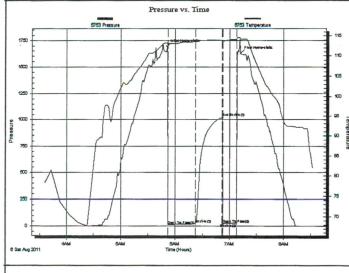
Time Off Btm

2011.08.06 @ 07:12:21

TEST COMMENT: IF-1/2in blow

ISI-No blow

FF-No blow



PRESSURE SUMMARY

				- OOM # # * * * * * * * * * * * * * * * * *	
	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1693.89	113.22	Initial Hydro-static	
	1	13.57	112.30	Open To Flow (1)	
	32	23.02	113.58	Shut-In(1)	
	61	1023.36	113.98	End Shut-In(1)	
Tem	62	26.44	113.69	Open To Flow (2)	
Temperature	77	25.95	114.11	Shut-In(2)	
ure	82	1628.33	114.19	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil spotted mud	0.02

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)



TOOL DIAGRAM

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

Job Ticket: 44281

DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.06 @ 03:35:51

Merlin Worcester #1-11

11-7-22, Graham, KS

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length: 3395.00 ft Diameter: 0.00 ft Diameter: Length: 122.00 ft Diameter:

3.80 inches Volume: 2.70 inches Volume: 2.25 inches Volume: 0.60 bbl

0.00 bbl Total Volume: 48.22 bbl

47.62 bbl

Tool Weight:

2000.00 lb Weight set on Packer: 25000.00 lb

Final 45000.00 lb

Weight to Pull Loose: 52000.00 lb Tool Chased

0.00 ft String Weight: Initial 45000.00 lb

Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer:

Number of Packers:

3397.00 ft ft

Interval between Packers: 34.00 ft

140.00 ft

54.00 ft

6.75 inches 2 Diameter:

Tool Comments:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3378.00		
Shut In Tool	5.00			3383.00		
Hydraulic tool	5.00			3388.00		
Packer	4.00			3392.00	20.00	Bottom Of Top Packer
Packer	5.00			3397.00		
Stubb	1.00			3398.00		
Recorder	0.00	8319	Inside	3398.00		
Recorder	0.00	6753	Outside	3398.00		
Perforations	30.00			3428.00		
Bullnose	3.00			3431.00	34.00	Bottom Packers & Anchor

Total Tool Length:

54.00



FLUID SUMMARY

Baird Oil Co. LLC.

Merlin Worcester #1-11

11-7-22, Graham, KS

PO Box 428 Logan, KS 67646

Job Ticket: 44281

DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.06 @ 03:35:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

Water Salinity:

ppm

Viscosity: Water Loss: 55.00 sec/qt 7.18 in³

Cushion Volume: Gas Cushion Type: ft bbl

Resistivity:

ohmm 1000.00 ppm

Gas Cushion Pressure:

psig

Salinity: Filter Cake:

inches

Recovery Information

Recovery Table

Description Volume Length bbl 0.025 Oil spotted mud 5.00

Total Length:

5.00 ft

Ref. No: 44281

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs:

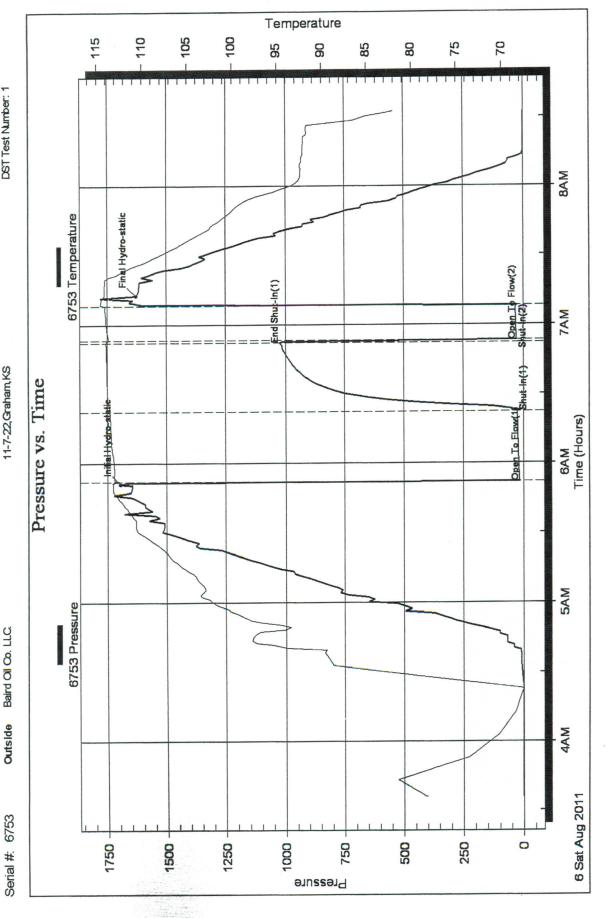
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Baird Oil Co. LLC.



Trilobite Testing, Inc



Prepared For:

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

11-7-22, Graham, KS

Merlin Worcester #1-11

Start Date: 2011.08.06 @ 15:45:42

End Date:

2011.08.07 @ 00:14:42

Job Ticket #: 44282

DST#: 2

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



Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428 Logan, KS 67646 11-7-22, Graham, KS Job Ticket: 44282

DST#:2

ATTN: Richard Bell

Test Start: 2011.08.06 @ 15:45:42

GENERAL INFORMATION:

Formation:

KC "C"

Deviated:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole Brett Dickinson Tester:

Time Tool Opened: 18:47:42

Time Test Ended: 00:14:42

Unit No:

Interval:

3458.00 ft (KB) To 3478.00 ft (KB) (TVD)

Reference Bevations:

2197.00 ft (KB)

Total Depth:

2192.00 ft (CF)

3478.00 ft (KB) (TVD)

5.00 ft

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

Serial #: 6753 Press@RunDepth: Outside

134.25 psig @

3459.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2011.08.06

End Date:

2011.08.07

Last Calib.: Time On Btm 2011.08.07

Start Time:

15:45:47

End Time:

00:14:41

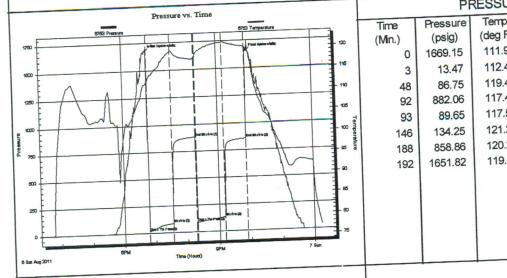
Time Off Btm

2011.08.06 @ 18:45:12

2011.08.06 @ 21:56:42

TEST COMMENT: IF-6 in blow

ISI-No blow FF-4.75 in blow FSI-No blow



	PRESSURE SUMMARY							
1100 Temperabline 1100 - 900 - 955 - 900 - 755	Time (Min.) 0 3 48 92 93 146 188 192	Pressure (psig) 1669.15 13.47 86.75 882.06 89.65 134.25 858.86 1651.82	Temp (deg F) 111.94 112.42 119.46 117.46 117.50 121.22 120.21 119.34	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)				

Recovery

	Recovery		
Length (ft)	Description	Volume (bbi)	
	water	2.33	
245.00		0.28	
20.00	MCW 20%M 80%W		
The second name of the second			

Gas Rat		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 44282

Printed: 2011.08.17 @ 10:36:06 Page 2



TOOL DIAGRAM

Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428 Logan, KS 67646 11-7-22, Graham, KS Job Ticket: 44282

DST#:2

ATTN: Richard Bell

Test Start: 2011.08.06 @ 15:45:42

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3329.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 2.70 inches Volume: 2.25 inches Volume:

46.70 bbl 0.00 bbl Tool Weight:

2000.00 lb

122.00 ft Diameter: Drill Collar: Length:

0.60 bbl

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Total Volume:

Tool Chased 47.30 bbl

0.00 ft

13.00 ft Drill Pipe Above KB: Depth to Top Packer: 3458.00 ft

ft

String Weight: Initial 44000.00 lb Final 45000.00 lb

Depth to Bottom Packer: Interval between Packers:

20.00 ft

Tool Length:

40.00 ft

2

6.75 inches Diameter:

Tool Comments:

Number of Packers:

Tool Description	on Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Su	ıb	1.00			3439.00		
Shut In Tool		5.00			3444.00		
Hydraulic tool		5.00			3449.00		
Packer		4.00			3453.00	20.00	Bottom Of Top Packer
Packer		5.00			3458.00		
Stubb		1.00			3459.00		
Recorder		0.00	8319	Inside	3459.00		
Recorder		0.00	6753	Outside	3459.00		
Perforations		16.00			3475.00		
Bullnose		3.00			3478.00	20.00	Bottom Packers & Anchor
		40.00					

Total Tool Length: 40.00

COURS



FLUID SUMMARY

Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428 Logan, KS 67646

11-7-22, Graham, KS

Job Ticket: 44282

DST#:2

ATTN: Richard Bell

Test Start: 2011.08.06 @ 15:45:42

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

62.00 sec/qt

Cushion Length: Cushion Volume: Water Salinity:

60000 ppm

Water Loss:

7.17 in³

ft bbl

Resistivity:

ohmm

Gas Cushion Type: Gas Cushion Pressure:

psig

Salinity: Filter Cake:

1000.00 ppm

inches

Recovery Information

Recovery Table

Length Volume Description bbl 245.00 w ater 2.325 20.00 MCW 20%M 80%W 0.281

Total Length:

265.00 ft

Total Volume:

2.606 bbl

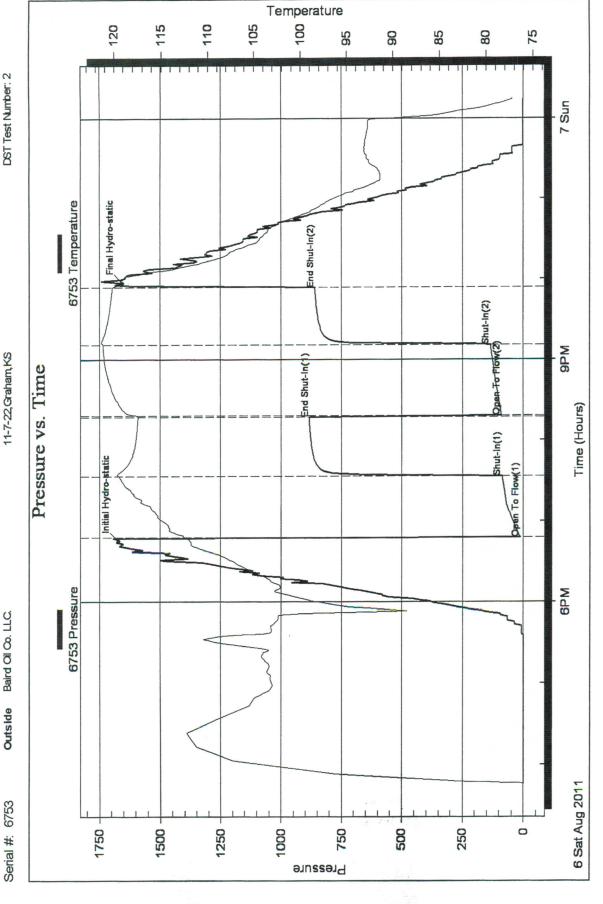
Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location: Serial #:

Laboratory Name:

Recovery Comments: RW .12

Outside Baird Oil Oo. LLC.



Trilobite Testing, Inc



Prepared For:

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

11-7-22, Graham, KS

Merlin Worcester #1-11

Start Date: 2011.08.07 @ 08:45:38

End Date:

2011.08.07 @ 15:36:38

Job Ticket #: 44283

DST#: 3

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



Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428 Logan, KS 67646 11-7-22, Graham, KS Job Ticket: 44283

DST#:3

ATTN: Richard Bell

Test Start: 2011.08.07 @ 08:45:38

GENERAL INFORMATION:

Formation:

KC"EF"

Deviated:

Interval:

Whipstock: No

ft (KB)

Time Tool Opened: 11:36:38 Time Test Ended: 15:36:38

Test Type: Conventional Bottom Hole

Tester:

Brett Dickinson

Unit No:

47

3488.00 ft (KB) To 3517.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Bevations:

2197.00 ft (KB)

Total Depth:

3431.00 ft (KB) (TVD)

KB to GR/CF:

2192.00 ft (CF) 5.00 ft

Hole Diameter:

Serial #: 6753

Press@RunDepth:

Outside

311.19 psig @

3489.00 ft (KB)

Capacity:

Start Date: Start Time: 2011.08.07 08:45:43 End Date: End Time: 2011.08.07 15:36:37 Last Calib .:

8000.00 psig 2011.08.07

Time On Btm:

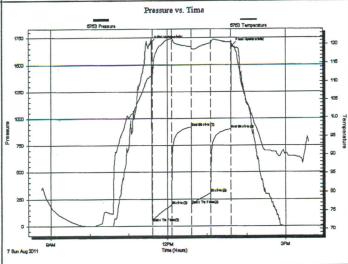
2011.08.07 @ 11:34:08

Time Off Btm

2011.08.07 @ 13:38:38

TEST COMMENT: IF-BOB in 6.5 min

ISI-No blow FF-BOB in 9 min FSI-No blow



	PRESSURE SUMMARY								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
5	0	1704.39	111.35	Initial Hydro-static					
	3	36.10	111.65	Open To Flow (1)					
	32	195.02	121.50	Shut-In(1)					
5	63	923.77	119.30	End Shut-In(1)					
o d	63	201.63	118.97	Open To Flow (2)					
Temperature	92	311.19	120.30	Shut-In(2)					
nre	122	905.05	120.50	End Shut-In(2)					
	125	1678.47	119.37	Final Hydro-static					
	š								

Recovery Description Volume (bbl) Length (ft) 6.60 550.00 Water 1.11 79.00 Oil spotted MCW 60%W 40%M 0.01 1.00 Free oil

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
100			

Gas Rates



TOOL DIAGRAM

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646 11-7-22, Graham, KS

Job Ticket: 44283

DST#:3

ATTN: Richard Bell

Test Start: 2011.08.07 @ 08:45:38

Merlin Worcester #1-11

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 3367.00 ft Diameter: Length:

122.00 ft Diameter:

0.00 ft Diameter:

Diameter:

3.80 inches Volume: 2.70 inches Volume: 2.25 inches Volume: Total Volume:

47.23 bbl 0.00 bbl 0.60 bbl 47.83 bbl Tool Weight: Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

2000.00 lb

Final 48000.00 lb

Tool Chased String Weight: Initial 45000.00 lb

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

Depth to Bottom Packer:

Interval between Packers:

21.00 ft 3488.00 ft

ft 29.00 ft

49.00 ft 2

6.75 inches

Number of Packers: Tool Comments:

Tool Length:

Tool Description	Ler	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub		1.00			3469.00		
Shut In Tool		5.00			3474.00		
Hydraulic tool		5.00			3479.00	`	
Packer		4.00			3483.00	20.00	Bottom Of Top Packer
Packer		5.00			3488.00		
Stubb		1.00			3489.00		
Recorder		0.00	8319	Inside	3489.00		
Recorder		0.00	6753	Outside	3489.00		
Perforations		25.00			3514.00		
Bullnose		3.00			3517.00	29.00	Bottom Packers & Anchor
То	tal Tool Length:	49.00					

T. 3742



FLUID SUMMARY

Baird Oil Co. LLC.

Merlin Worcester #1-11

11-7-22, Graham, KS

PO Box 428 Logan, KS 67646

Job Ticket: 44283

ft

bbl

psig

DST#: 3

ATTN: Richard Bell

Test Start: 2011.08.07 @ 08:45:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal 62.00 sec/qt

Viscosity: Water Loss:

7.18 in³

Resistivity: Salinity:

ohmm 1000.00 ppm

Filter Cake:

inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity:

93000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
550.00	Water	6.604
79.00	Oil spotted MCW 60%W 40%M	1.108
1.00	Free oil	0.014

Total Length:

630.00 ft

Total Volume:

7.726 bbl

Num Fluid Samples: 0

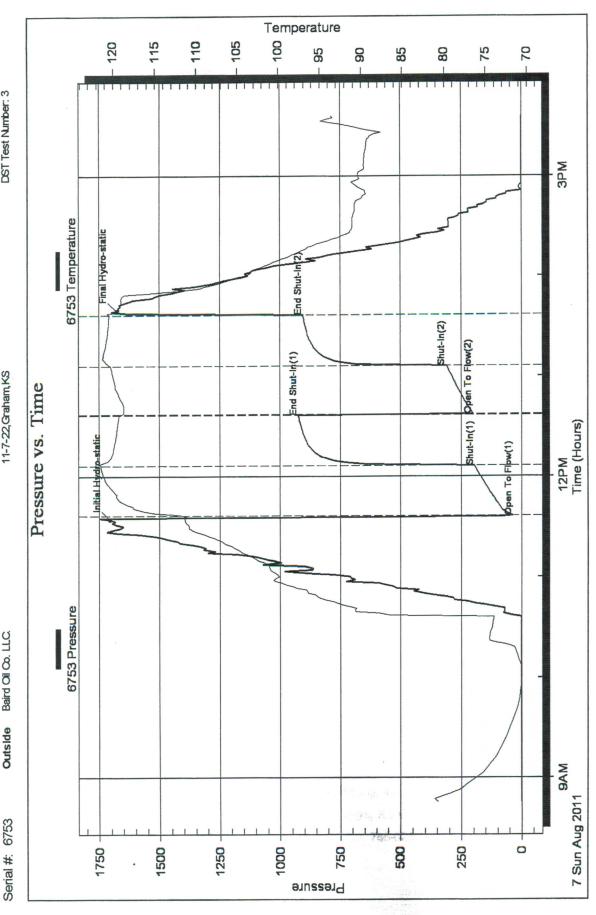
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.07 @ 85 deg



Ref. No: 44283

KC",J"



DRILL STEM TEST REPORT

Prepared For:

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

11-7-22, Graham, KS

Merlin Worcester #1-11

Start Date: 2011.08.08 @ 01:15:31

End Date: 2011.08.08 @ 05:42:31

Job Ticket #: 44284 DST #: 4

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



Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

Merlin Worcester #1-11

11-7-22, Graham, KS

Job Ticket: 44284

DST#:4

Test Start: 2011.08.08 @ 01:15:31

GENERAL INFORMATION:

Formation:

KC"I.J"

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened: 03:04:01 Time Test Ended: 05:42:31

Interval:

3570.00 ft (KB) To 3600.00 ft (KB) (TVD)

Total Depth:

3600.00 ft (KB) (TVD)

Hole Diameter:

Start Date:

Start Time:

7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester:

Brett Dickinson

Unit No:

Reference Bevations:

2197.00 ft (KB)

2192.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 6753

Press@RunDepth:

Outside

16.91 psig @ 2011.08.08

01:15:36

3571.00 ft (KB) End Date:

End Time:

2011.08.08

05:42:30

Capacity: Last Calib.:

8000.00 psig

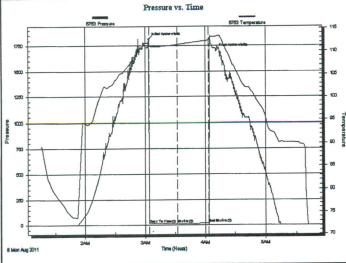
2011.08.08 2011.08.08 @ 03:03:31

Time On Btm Time Off Btm:

2011.08.08 @ 04:11:01

TEST COMMENT: IF-Very weak surface blow died in 10min

ISI- No blow



		PRESSURE SUMMARY								
5	İ	Time	Pressure	Temp	Annotation					
		(Min.)	(psig)	(deg F)						
0		0	1810.19	111.67	Initial Hydro-static					
6		1	15.12	111.16	Open To Flow (1)					
		29	16.91	111.48	Shut-In(1)					
0		60	20.47	112.41	End Shut-In(1)					
	Ten	68	1695.84	113.22	Final Hydro-static					
	Temperature									
•	5									
5										
•										
5										
0										

Recovery					
Length (ft)	Description	Volume (bbl)			
1.00	mud	0.00			
		-			

Gas Rates						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d			
State & St						
03.09						
1945 makes						
587 TE						



TOOL DIAGRAM

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

Merlin Worcester #1-11

11-7-22, Graham, KS

Job Ticket: 44284

DST#:4

Test Start: 2011.08.08 @ 01:15:31

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 3430.00 ft Diameter:

0.00 ft Diameter: Length: 122.00 ft Diameter:

2.00 ft

30.00 ft 50.00 ft

ft

3.80 inches Volume: 48.11 bbl 2.70 inches Volume: 2.25 inches Volume: 0.60 bbl

0.00 bbl Total Volume: 48.71 bbl

Tool Weight: Weight set on Packer: 25000.00 lb Weight to Pull Loose: 55000.00 lb

2000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 45000.00 lb Final 45000.00 lb

Drill Pipe Above KB:

3570.00 ft Depth to Top Packer:

Depth to Bottom Packer: Interval between Packers:

Tool Length:

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3551.00		
Shut in Tool	5.00			3556.00		
Hydraulic tool	5.00			3561.00		
Packer	4.00			3565.00	20.00	Bottom Of Top Packer
Packer	5.00			3570.00		,
Stubb	1.00			3571.00		
Recorder	0.00	8319	Inside	3571.00		
Recorder	0.00	6753	Outside	3571.00		
Perforations	26.00			3597.00		
Bullnose	3.00			3600.00	30.00	Bottom Packers & Anchor
Total Total Laurent						,

Total Tool Length:

50.00

Ref. No: 44284



FLUID SUMMARY

Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428 Logan, KS 67646

11-7-22, Graham, KS Job Ticket: 44284

DST#:4

ATTN: Richard Bell

Test Start: 2011.08.08 @ 01:15:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

Viscosity:

62.00 sec/qt

Cushion Volume:

Gas Cushion Pressure:

Water Salinity:

ppm

Water Loss:

7.18 in³

Gas Cushion Type:

psig

ft

bbl

Resistivity: Salinity:

ohmm 1000.00 ppm

Filter Cake:

inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud	0.005

Total Length:

1.00 ft

Total Volume:

0.005 bbl

Num Fluid Samples: 0

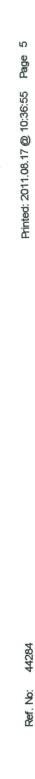
Num Gas Bombs:

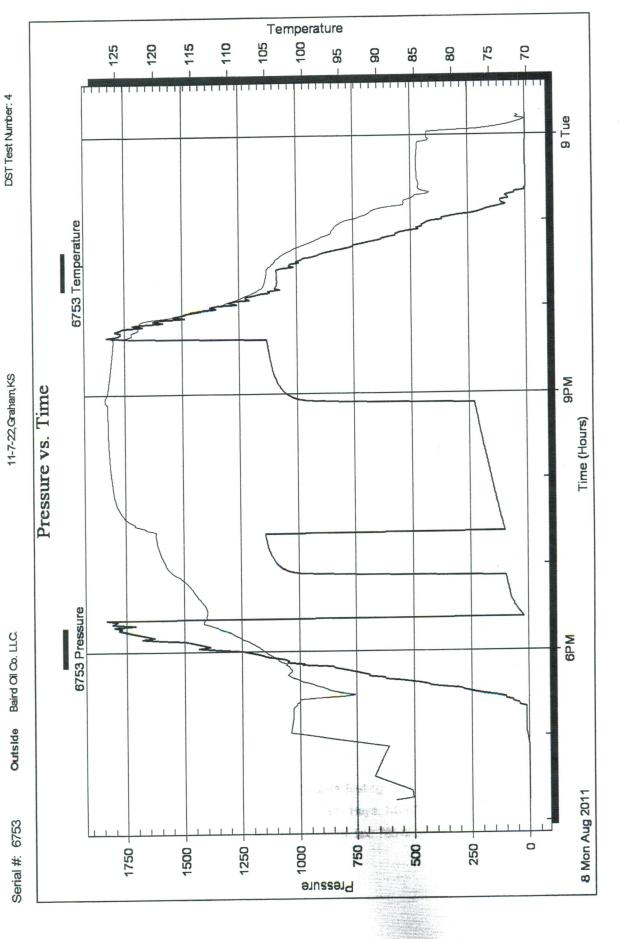
Laboratory Name:

Laboratory Location:

Serial #:

Recovery Comments:







Prepared For. Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

11-7-22, Graham, KS

Merlin Worcester #1-11

Start Date: 2011.08.08 @ 16:15:05 End Date: 2011.08.09 @ 00:15:05

Job Ticket #: 44285

DST#: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

Merlin Worcester #1-11

11-7-22, Graham, KS

Job Ticket: 44285

DST#:5

Test Start: 2011.08.08 @ 16:15:05

GENERAL INFORMATION:

Formation:

Penn. Sand

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened: 18:23:05 Time Test Ended: 00:15:05

Interval:

3673.00 ft (KB) To 3702.00 ft (KB) (TVD)

Total Depth:

3702.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Test Type:

Conventional Bottom Hole

Tester:

Brett Dickinson

Unit No:

Reference Bevations:

2197.00 ft (KB)

2192.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8319 Press@RunDepth: Inside

228.76 psig @

3674.00 ft (KB)

Capacity: 2011.08.09 Last Calib .:

8000.00 psig

Start Date: Start Time: 2011.08.08 16:15:10

End Date: End Time:

00:15:04

Time On Btm

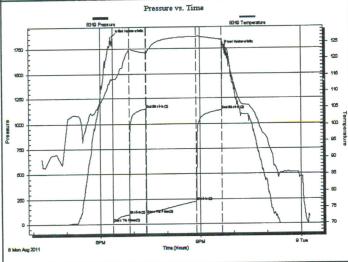
2011.08.09 2011.08.08 @ 18:22:05

Time Off Btm

2011.08.08 @ 21:39:35

TEST COMMENT: IF-2in blow in 5min died back to 1/8in

ISI-No blow FF-BOB in 39min FSI-No blow



	PRESSURE SUMMARY						
-							
	Time	Pressure	Temp	Annotation			
5	(Min.)	(psig)	(deg F)				
20	0	1873.80	113.88	Initial Hydro-static			
15	1	20.35	113.80	Open To Flow (1)			
10	31	98.49	122.96	Shut-In(1)			
25	61	1143.45	121.90	End Shut-In(1)			
	61	101.94	121.68	Open To Flow (2)			
Temperature	151	228.76	126.75	Shut-In(2)			
-	197	1129.45	125.85	End Shut-In(2)			
0	198	1754.65	125.81	Final Hydro-static			
5							
0							
5							
0							

Recovery Volume (bbl) Description Length (ft) 4.15 Water 375.00 0.84 MCW 70%W 30%M 60.00 0.35 25.00 Oil spotted WCM 25%W 75%M

Gas Rates Gas Rate (Mcf/d) Choke (inches) Pressure (psig) 5/8r PO 80 LOUSEN YES



TOOL DIAGRAM

Baird Oil Co. LLC.

PO Box 428 Logan, KS 67646

ATTN: Richard Bell

Merlin Worcester #1-11

11-7-22, Graham, KS

Job Ticket: 44285

DST#:5

Test Start: 2011.08.08 @ 16:15:05

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length: 3554.00 ft Diameter:

0.00 ft Diameter: Length: 122.00 ft Diameter:

3.80 inches Volume: 49.85 bbl 2.70 inches Volume: 2.25 inches Volume: 0.60 bbl Total Volume:

0.00 bbl 50.45 bbl Tool Weight:

2000.00 lb

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 45000.00 lb

Final 48000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

23.00 ft 3673.00 ft

Depth to Bottom Packer:

Interval between Packers: 29.00 ft Tool Length:

Number of Packers:

49.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Tool Descripti	ion Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over St	np	1.00			3654.00		
Shut In Tool		5.00			3659.00		
Hydraulic tool		5.00			3664.00		
Packer		4.00			3668.00	20.00	Bottom Of Top Packer
Packer		5.00			3673.00		
Stubb		1.00			3674.00		
Recorder		0.00	8319	Inside	3674.00		
Recorder		0.00	6753	Outside	3674.00		
Perforations		25.00			3699.00		
Bullnose		3.00			3702.00	29.00	Bottom Packers & Anchor
	Tetal Teal Lauretha	40.00					

40



FLUID SUMMARY

Baird Oil Co. LLC.

Merlin Worcester #1-11

PO Box 428

11-7-22, Graham, KS Job Ticket: 44285

DST#:5

Logan, KS 67646

ATTN: Richard Bell

Test Start: 2011.08.08 @ 16:15:05

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity: Water Loss: 59.00 sec/qt 6.79 in³

Resistivity: Salinity:

ohmm 1600.00 ppm

Filter Cake:

inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

ft bbl Water Salinity:

deg API 68000 ppm

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
375.00	Water	4.149
60.00	MCW 70%W 30%M	0.842
25.00	Oil spotted WCM 25%W 75%M	0.351

Total Length:

460.00 ft

Ref. No: 44285

Total Volume:

5.342 bbl

Num Fluid Samples: 0

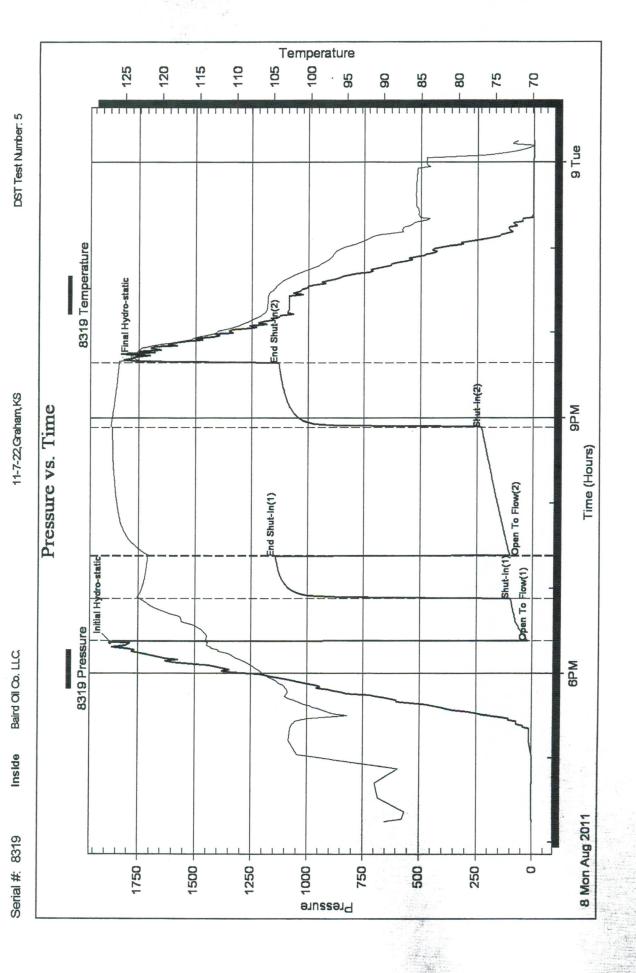
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.13 @ 65 deg



Trilobite Testing, hc