



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1061889

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hitschmann, Curtis Lee dba Curt's Oil Operations
Well Name	Befort 7
Doc ID	1061889

All Electric Logs Run

Microresistivity Log
Dual Induction Log
Dual Compensated Porosity Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Hitschmann, Curtis Lee dba Curt's Oil Operations
Well Name	Befort 7
Doc ID	1061889

Tops

Name	Top	Datum
Anhydrite	1512	726
Topeka	3209	-971
Heebner	3466	-1228
Toronto	3486	-1248
Lansing	3505	-1267
BKC	3755	-1517
Marmaton	3796	-1558
Reagon	3852	-1614

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
7/25/2011	20234

BILL TO
Curt's Oil Operations P. O. Box 8 Great Bend, KS 67530-0008

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#7	Beforet	Ellis	Discovery Drilling...	Oil	Development	LongString	Dave
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				7	Each	70.00	490.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
419-5	5 1/2". Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
276	Flocele				50	Lb(s)	2.00	100.00T
283	Salt				875	Lb(s)	0.20	175.00T
284	Calseal				8	Sack(s)	35.00	280.00T
285	CFR-1				100	Lb(s)	4.00	400.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				365.5	Ton Miles	1.00	365.50
	Subtotal							10,458.00
	Sales Tax Ellis County						6.30%	504.16

We Appreciate Your Business!

Total

\$10,962.16



CHARGE TO: CURT'S OIL OPERATION

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET
20234

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>HAYS</u>	WELL/PROJECT NO. <u>7</u>	LEASE <u>BEFORE</u>	COUNTY/PARISH <u>ELLIS</u>	STATE <u>KS</u>	CITY	DATE <u>07-25-11</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>DISCOVERY 3</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>SE ELLIS</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTRIKE</u>	WELL PERMIT NO. <u>15-051-26158</u>	WELL LOCATION <u>S11,714R20</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
<u>575</u>		<u>1</u>			MILEAGE <u>412</u>	<u>40</u>	<u>MI</u>			<u>6.00</u>	<u>240</u>	<u>00</u>	
<u>578</u>		<u>1</u>			Pump SERVICE	<u>1</u>	<u>EA</u>			<u>1500.00</u>	<u>1500</u>	<u>00</u>	
<u>221</u>		<u>1</u>			LUBRICANT	<u>2</u>	<u>GAZ</u>			<u>25.00</u>	<u>50</u>	<u>00</u>	
<u>281</u>		<u>1</u>			MUDFLUSH	<u>500</u>	<u>GAZ</u>			<u>1.25</u>	<u>625</u>	<u>00</u>	
<u>290</u>		<u>1</u>			D-AIR	<u>2</u>	<u>GAZ</u>			<u>35.00</u>	<u>70</u>	<u>00</u>	
<u>402</u>		<u>1</u>			CENTRALIZER	<u>7</u>	<u>EA</u>	<u>5 1/2</u>	<u>IN</u>	<u>70.00</u>	<u>490</u>	<u>00</u>	
<u>403</u>		<u>1</u>			BAGNET	<u>1</u>	<u>EA</u>			<u>250.00</u>	<u>250</u>	<u>00</u>	
<u>404</u>		<u>1</u>			PORT COLLAR <u>1523FF</u>	<u>1</u>	<u>EA</u>			<u>2400.00</u>	<u>2400</u>	<u>00</u>	
<u>406</u>		<u>1</u>			LATCH DOWN RUSH BUFFLE	<u>1</u>	<u>EA</u>			<u>250.00</u>	<u>250</u>	<u>00</u>	
<u>407</u>		<u>1</u>			TRAILER FOOT SIDE 1/2 AUTO FILL	<u>1</u>	<u>EA</u>			<u>350.00</u>	<u>350</u>	<u>00</u>	
<u>409</u>		<u>1</u>			ROTATING HEAD REPAIR	<u>1</u>	<u>EA</u>			<u>200.00</u>	<u>200</u>	<u>00</u>	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

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

X [Signature]

DATE SIGNED 07-25-11 TIME SIGNED 1:30 A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	P6-1 PAGE TOTAL	<u>6425</u>	<u>00</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P6-1	<u>4033</u>	<u>00</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				sub TOTAL	<u>10,458</u>	<u>00</u>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				ELLIS TAX <u>6.3%</u>	<u>504</u>	<u>16</u>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	<u>10,962</u>	<u>16</u>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR DAVE ASH APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 07-25-11 PAGE NO. 1

CUSTOMER CURTIS OIL OPERATION WELL NO. 7 LEASE BEFOAT JOB TYPE CONSTRUCTION TICKET NO. 200237

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							ON LOCATION, RUNNING CS4 CMT 175570 EA 2 RTD 3855, SET PAE 3851, ST 423, INSERT 3809 5/2 1/4" PORTULAN OUT # 57, ASD3 CENT 1, 3, 5, 7, 9, 11, 56 BARET 57 JOINTS OUT, #50, #76
	1400							TAKING TO BOTTOM, DRAP BALL
	1415							BREAK CIRC 1/4" RIG
	1500		7					PLUG RH 30,
	1505	5.0	12		-		200	MUD FLUSH 500 GAL
			20		-			MUD FLUSH 2 1/2 HCL
			36		-			EA 2 CMT
								DROPPED PLUG, WASHOUT PL
	1520		0		-		0	START DLY
			59		-		200	CMT ON BOTTOM
			80		-		400	
			85		-		600	
			90		-		700	
	1540		92.9		-		1400	LAND PLUG
	1545							RELEASE DRY
	1615							THANK YOU! DAN, JOSH, JOE



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



Invoice

DATE	INVOICE #
8/4/2011	19738

BILL TO
Curt's Oil Operations P. O. Box 8 Great Bend, KS 67530-0008

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#7	Befort	Ellis	DS&W Well Servi...	Oil	Development	Port Collar	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	6.00	180.00
576D-D	Pump Charge - Port Collar - 1503 Feet	1	Job	1,250.00	1,250.00
290	D-Air	2	Gallon(s)	35.00	70.00T
330	Swift Multi-Density Standard (MIDCON II)	120	Sacks	16.50	1,980.00T
276	Flocele	50	Lb(s)	2.00	100.00T
105	Port Collar Tool Rental With Man	1	Each	350.00	350.00T
581D	Service Charge Cement	150	Sacks	2.00	300.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				4,480.00
	Sales Tax Ellis County			6.30%	157.50

Thank You For Your Business!	Total	\$4,637.50
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CHARGE TO: *Cart's Oil Co.*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET
19738

PAGE 1 OF 1

SERVICE LOCATIONS
1. *Hays, Ks.*
2. *Ness City, Ks.*
3.
4.

WELL/PROJECT NO. # *7*

LEASE *Befort*

COUNTY/PARISH *Ellis*

STATE *Ks*

CITY

DATE *8-4-11*

OWNER *same*

TICKET TYPE
 SERVICE
 SALES

CONTRACTOR *D S & CO*

RIG NAME/NO.

SHIPPED VIA *ET*

DELIVERED TO *Location*

ORDER NO.

WELL TYPE *oil*

WELL CATEGORY *Development*

JOB PURPOSE *Port Collar*

WELL PERMIT NO.

WELL LOCATION

REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
<i>575</i>		<i>1</i>			<i>MILEAGE # 111</i>	<i>30</i>	<i>mi</i>			<i>6.00</i>	<i>180.00</i>	
<i>576 D</i>		<i>1</i>			<i>Pump Charge (Port Collar)</i>	<i>1 ea</i>		<i>1503</i>	<i>'</i>	<i>1250.00</i>	<i>1250.00</i>	
<i>290</i>		<i>1</i>			<i>D-Air</i>	<i>2 gal</i>				<i>35.00</i>	<i>70.00</i>	
<i>330</i>		<i>2</i>			<i>SMD Cement</i>	<i>120</i>	<i>skts</i>			<i>16.50</i>	<i>1980.00</i>	
<i>276</i>		<i>2</i>			<i>Floccle</i>	<i>50</i>	<i>#</i>			<i>2.00</i>	<i>100.00</i>	
<i>105</i>		<i>1</i>			<i>Port Collar tool Rental w/man</i>	<i>1 ea</i>				<i>350.00</i>	<i>350.00</i>	
<i>581</i>		<i>2</i>			<i>Cement Service Charge</i>	<i>150</i>	<i>skts</i>			<i>2.00</i>	<i>300.00</i>	
<i>582</i>		<i>2</i>			<i>Minimum Drayage</i>	<i>1 ea</i>				<i>250.00</i>	<i>250.00</i>	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

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

X

DATE SIGNED *8-4-11*

TIME SIGNED *1345*

A.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>4</i>	<i>4880.00</i>
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>Ellis TAX 6.3%</i>	<i>157.50</i>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	<i>4637.50</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR *Mich Korbic*

APPROVAL *[Signature]*

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-4-11 PAGE NO.

CUSTOMER Curt's Oil Co. WELL NO. #7 LEASE Befont JOB TYPE Port Collar TICKET NO. 19738

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							on loc set up Trks
								T 1 H w / Tool 2 3/8" x 5 1/2" P.C. @ 1503'
								Locate P.C.
						1000		Test Csg Open P.C.
	1305	3	4				300	Take rate & check for blow
	1306	3	0				300	Start Cement
	1320	3	55				300	Circ. Cement / Raise weight
	1322	3	60/0				300	End Cement / Start Displacement
	1323		5					Cement Displaced
								Close P.C.
	1325						1000	Test Csg Run 5 jts
	1338	3	0				150	Reverse out
	1342		10					Hole Clean
								T 00 H w / Tool
								120 sks SMD Circ 20 sks to pit
								Thank you
								Nick, Josh F. &

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5305

Date	7-19-11	Sec.	11	Twp.	14	Range	20	County	Ellis	State	KS	On Location		Finish	8:30 p.m.	
Lease	Belmont	Well No.	7			Location Ellis 5 Golf Course 2 3/4 E. Sinto										
Contractor	Discovery #3							Owner								
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4		T.D.		218		Charge To									
Csg.	8 5/8		Depth		218		Certs Oil Operations									
Tbg. Size			Depth				Street									
Tool			Depth				City				State					
Cement Left in Csg.	15'		Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace		138 C		Cement Amount Ordered 150 com 30/bcc 20/6/01									
EQUIPMENT																
Pumptrk	No.	Cementer	Craig				Common 150									
Bulktrk	9	Helper	Heate				Poz. Mix									
Bulktrk	8	Driver	Rocky				Gel. 3									
JOB SERVICES & REMARKS																
Remarks:								Calcium 5								
Rat Hole								Hulls								
Mouse Hole								Salt								
Centralizers								Flowseal								
Baskets								Kol-Seal								
D/V or Port Collar								Mud CLR 48								
	8 5/8 on bottom. Best Circulation.							CFL-117 or CD110 CAF 38								
	Mix 150 com Displace.							Sand								
	Cement Circulate!							Handling 150								
								Mileage								
FLOAT EQUIPMENT																
								Guide Shoe								
								Centralizer								
								Baskets								
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Pumptrk Charge Surface								
								Mileage 24								
												Tax				
												Discount				
												Total Charge				
X Signature <i>John Jacobson</i>																



DRILL STEM TEST REPORT

Prepared For: **Curtis Oil Operations**

PO Box 328
Hoisington, KS 67544

ATTN: Jason Alm

11-14s-20w Ellis,KS

Befort #7

Start Date: 2011.07.23 @ 08:25:30

End Date: 2011.07.23 @ 15:10:30

Job Ticket #: 45214 DST #: 1

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Curtis Oil Operations
PO Box 328
Hoisington, KS 67544
ATTN: Jason Alm

Before #7
11-14s-20w Ellis,KS
Job Ticket: 45214 **DST#: 1**
Test Start: 2011.07.23 @ 08:25:30

GENERAL INFORMATION:

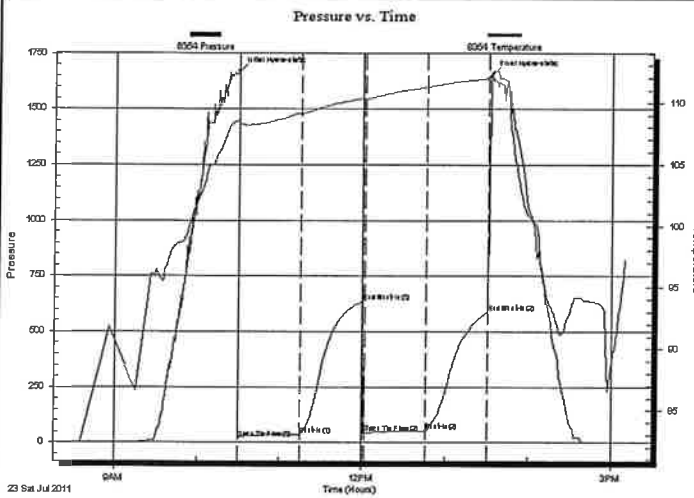
Formation: **LKC "C-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:30:30
Time Test Ended: 15:10:30
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38
Interval: **3514.00 ft (KB) To 3570.00 ft (KB) (TVD)**
Reference Elevations: 2238.00 ft (KB)
Total Depth: 3570.00 ft (KB) (TVD) 2231.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8354

Inside

Press@RunDepth: 54.41 psig @ 3553.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.23 End Date: 2011.07.23 Last Calib.: 2011.07.23
Start Time: 08:35:30 End Time: 15:10:30 Time On Btm: 2011.07.23 @ 10:30:00
Time Off Btm: 2011.07.23 @ 13:33:00

TEST COMMENT: IF-Weak building blow . Built to 6 1/2 inches.
IS-No Return.
FF-Fair building blow . BOB in 23 minutes.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.20	108.62	Initial Hydro-static
1	19.84	108.27	Open To Flow (1)
46	36.59	109.13	Shut-In(1)
91	635.68	110.38	End Shut-In(1)
92	43.41	110.27	Open To Flow (2)
137	54.41	111.31	Shut-In(2)
181	588.07	112.00	End Shut-In(2)
183	1656.93	112.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	40%Mud/30%Gas/20%Oil/10%Water	0.28
40.00	70%Mud/20%Oil/10%Gas	0.56
0.00	280' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Curtis Oil Operations

Before #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis, KS

Job Ticket: 45214

DST#: 1

ATTN: Jason Alm

Test Start: 2011.07.23 @ 08:25:30

Tool Information

Drill Pipe:	Length: 3483.00 ft	Diameter: 3.80 inches	Volume: 48.86 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
		<u>Total Volume:</u>	<u>49.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3514.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	76.00 ft			
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			3495.00	
Shut In Tool	5.00			3500.00	
Hydraulic tool	5.00			3505.00	
Packer	5.00			3510.00	20.00 Bottom Of Top Packer
Packer	4.00			3514.00	
Stubb	1.00			3515.00	
Perforations	5.00			3520.00	
Change Over Sub	1.00			3521.00	
Drill Pipe	31.00			3552.00	
Change Over Sub	1.00			3553.00	
Recorder	0.00	8354	Inside	3553.00	
Recorder	0.00	8520	Outside	3553.00	
Perforations	14.00			3567.00	
Bullnose	3.00			3570.00	56.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Curtis Oil Operations

Befort #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis,KS

Job Ticket: 45214

DST#: 1

ATTN: Jason Alm

Test Start: 2011.07.23 @ 08:25:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	40%Mud/30%Gas/20%Oil/10%Water	0.279
40.00	70%Mud/20%Oil/10%Gas	0.561
0.00	280' G.I.P.	0.000

Total Length: 80.00 ft Total Volume: 0.840 bbl

Num Fluid Samples: 0

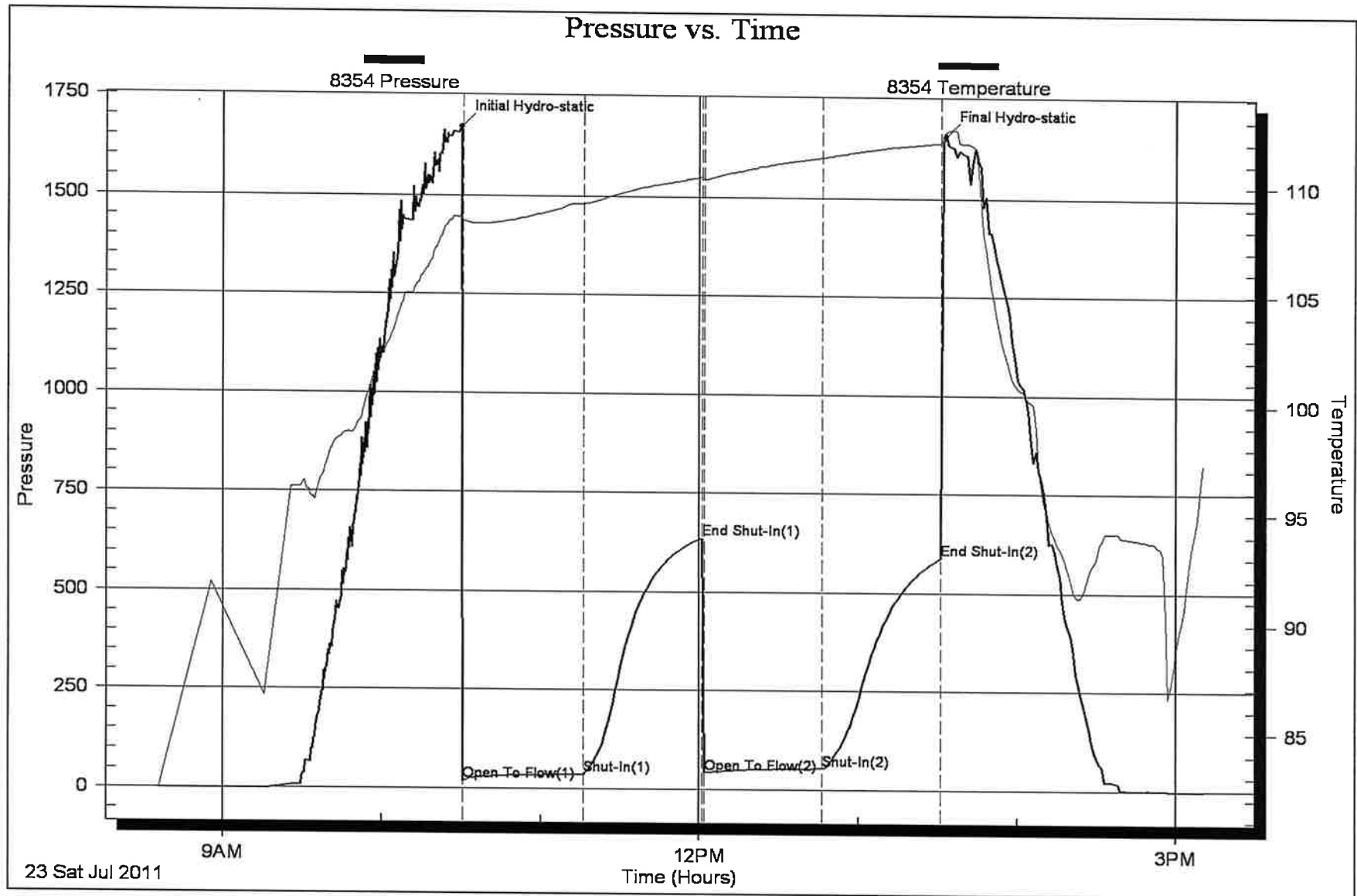
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 280' G.I.P.





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Curtis Oil Operations

Before #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis,KS

Job Ticket: 45215 **DST#: 2**

ATTN: Jason Alm

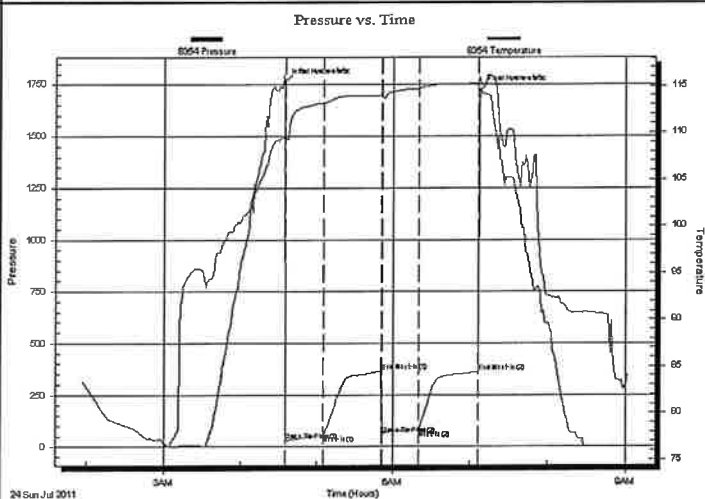
Test Start: 2011.07.24 @ 01:47:15

GENERAL INFORMATION:

Formation: **LKC "I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:35:15
 Time Test Ended: 09:02:15
 Interval: **3650.00 ft (KB) To 3725.00 ft (KB) (TVD)**
 Total Depth: 3725.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2238.00 ft (KB)
 2231.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8354 Inside
 Press@RunDepth: 81.30 psig @ 3720.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.24 End Date: 2011.07.24 Last Calib.: 2011.07.24
 Start Time: 01:57:15 End Time: 09:02:15 Time On Btmr: 2011.07.24 @ 04:34:45
 Time Off Btmr: 2011.07.24 @ 07:08:15

TEST COMMENT: IF-Strong building blow . BOB in 3 minutes.
 ISI-No Returns.
 FF-Strong building blow . BOB in 45 seconds.
 FSI-Return @ 30 seconds. Built to 1 inch.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1759.83	109.69	Initial Hydro-static
1	28.12	109.32	Open To Flow (1)
31	55.86	113.17	Shut-In(1)
76	366.06	113.98	End Shut-In(1)
77	55.84	113.83	Open To Flow (2)
106	81.30	114.70	Shut-In(2)
152	360.23	115.25	End Shut-In(2)
154	1723.89	115.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	80%Mud/10%Gas/10%Oil	0.35
60.00	50%Gas/30%Mud/20%Oil	0.84
60.00	60%Gas/20%Oil/20%Mud	0.84
0.00	1580' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Curtis Oil Operations

Befort #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis, KS

Job Ticket: 45215

DST#: 2

ATTN: Jason Alm

Test Start: 2011.07.24 @ 01:47:15

Tool Information

Drill Pipe:	Length: 3609.00 ft	Diameter: 3.80 inches	Volume: 50.62 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 50.77 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3650.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	95.00 ft				
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			3631.00	
Shut In Tool	5.00			3636.00	
Hydraulic tool	5.00			3641.00	
Packer	5.00			3646.00	20.00 Bottom Of Top Packer
Packer	4.00			3650.00	
Stubb	1.00			3651.00	
Perforations	5.00			3656.00	
Change Over Sub	1.00			3657.00	
Drill Pipe	62.00			3719.00	
Change Over Sub	1.00			3720.00	
Recorder	0.00	8354	Inside	3720.00	
Recorder	0.00	8520	Outside	3720.00	
Perforations	2.00			3722.00	
Bullnose	3.00			3725.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Curtis Oil Operations

Before #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis,KS

Job Ticket: 45215

DST#: 2

ATTN: Jason Alm

Test Start: 2011.07.24 @ 01:47:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

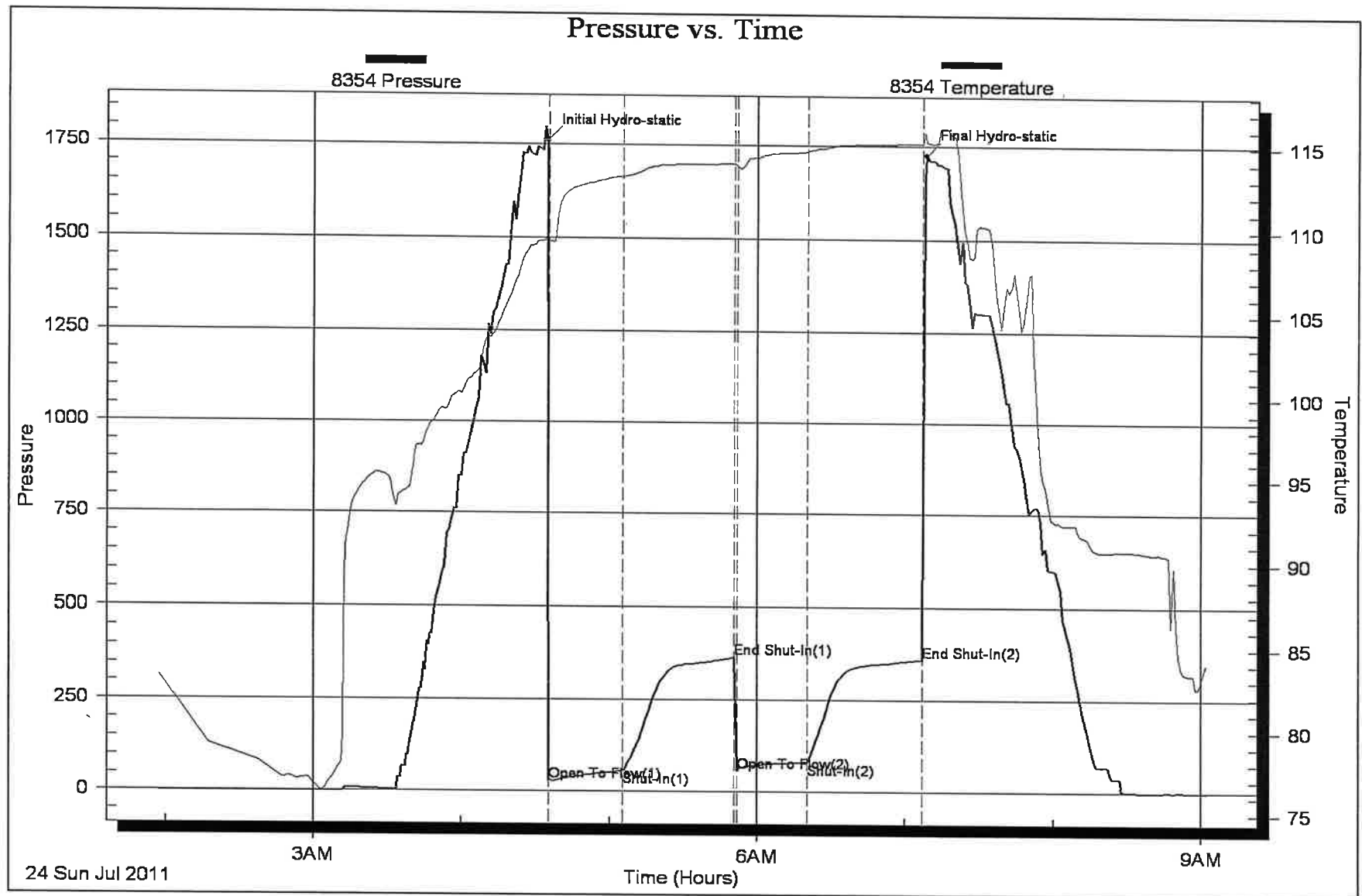
Length ft	Description	Volume bbl
45.00	80%Mud/10%Gas/10%Oil	0.349
60.00	50%Gas/30%Mud/20%Oil	0.842
60.00	60%Gas/20%Oil/20%Mud	0.842
0.00	1580' G.I.P.	0.000

Total Length: 165.00 ft Total Volume: 2.033 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1580' G.I.P.





DRILL STEM TEST REPORT

Prepared For: **Curtis Oil Operations**

PO Box 328
Hoisington, KS 67544

ATTN: Jason Alm

11-14s-20w Ellis,KS

Befort #7

Start Date: 2011.07.24 @ 20:35:30

End Date: 2011.07.25 @ 02:26:30

Job Ticket #: 45216 DST #: 3

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Curtis Oil Operations
PO Box 328
Hoisington, KS 67544
ATTN: Jason Alm

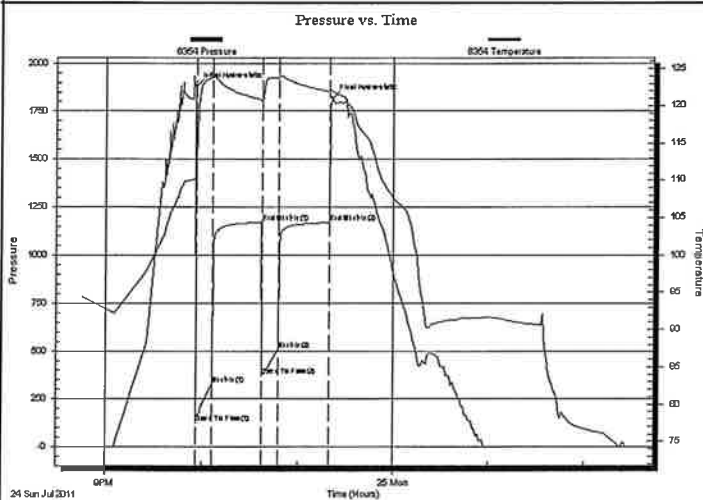
Before #7
11-14s-20w Ellis,KS
Job Ticket: 45216 **DST#: 3**
Test Start: 2011.07.24 @ 20:35:30

GENERAL INFORMATION:

Formation: **Reagan Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:56:10
Time Test Ended: 02:26:30
Interval: **3815.00 ft (KB) To 3855.00 ft (KB) (TVD)**
Total Depth: 3855.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2238.00 ft (KB)
2231.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8354 Inside
Press@RunDepth: 506.37 psig @ 3817.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.24 End Date: 2011.07.25
Start Time: 20:45:30 End Time: 02:26:30
Last Calib.: 2011.07.25
Time On Btmr: 2011.07.24 @ 21:56:00
Time Off Btmr: 2011.07.24 @ 23:21:00

TEST COMMENT: IF-Strong building blow . BOB in 1 1/2 minutes.
IS-No Return.
FF-Strong building blow . BOB in 2 minutes.
FSI-No Return.



PRESSURE SUMMARY

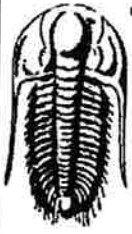
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1878.64	110.26	Initial Hydro-static
1	128.08	109.52	Open To Flow (1)
11	328.44	123.73	Shut-In(1)
41	1171.01	120.78	End Shut-In(1)
42	370.31	120.51	Open To Flow (2)
52	506.37	123.76	Shut-In(2)
84	1169.26	121.90	End Shut-In(2)
85	1819.85	121.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
392.00	80%Water/20%Mud	5.22
372.00	90%Water/10%Mud	5.22
248.00	95%Water/5%Mud	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Curtis Oil Operations
PO Box 328
Hoisington, KS 67544
ATTN: Jason Alm

Befort #7
11-14s-20w Ellis, KS
Job Ticket: 45216 **DST#: 3**
Test Start: 2011.07.24 @ 20:35:30

Tool Information

Drill Pipe:	Length: 3766.00 ft	Diameter: 3.80 inches	Volume: 52.83 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 52.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3815.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
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			3788.00	
Shut In Tool	5.00			3793.00	
Hydraulic tool	5.00			3798.00	
Jars	5.00			3803.00	
Safety Joint	3.00			3806.00	
Packer	5.00			3811.00	28.00 Bottom Of Top Packer
Packer	4.00			3815.00	
Stubb	1.00			3816.00	
Perforations	1.00			3817.00	
Recorder	0.00	8354	Inside	3817.00	
Recorder	0.00	8520	Outside	3817.00	
Perforations	35.00			3852.00	
Bullnose	3.00			3855.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Curtis Oil Operations

Before #7

PO Box 328
Hoisington, KS 67544

11-14s-20w Ellis,KS

Job Ticket: 45216

DST#: 3

ATTN: Jason Alm

Test Start: 2011.07.24 @ 20:35:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

43000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.15 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
392.00	80%Water/20%Mud	5.216
372.00	90%Water/10%Mud	5.218
248.00	95%Water/5%Mud	3.479

Total Length: 1012.00 ft

Total Volume: 13.913 bbl

Num Fluid Samples: 0

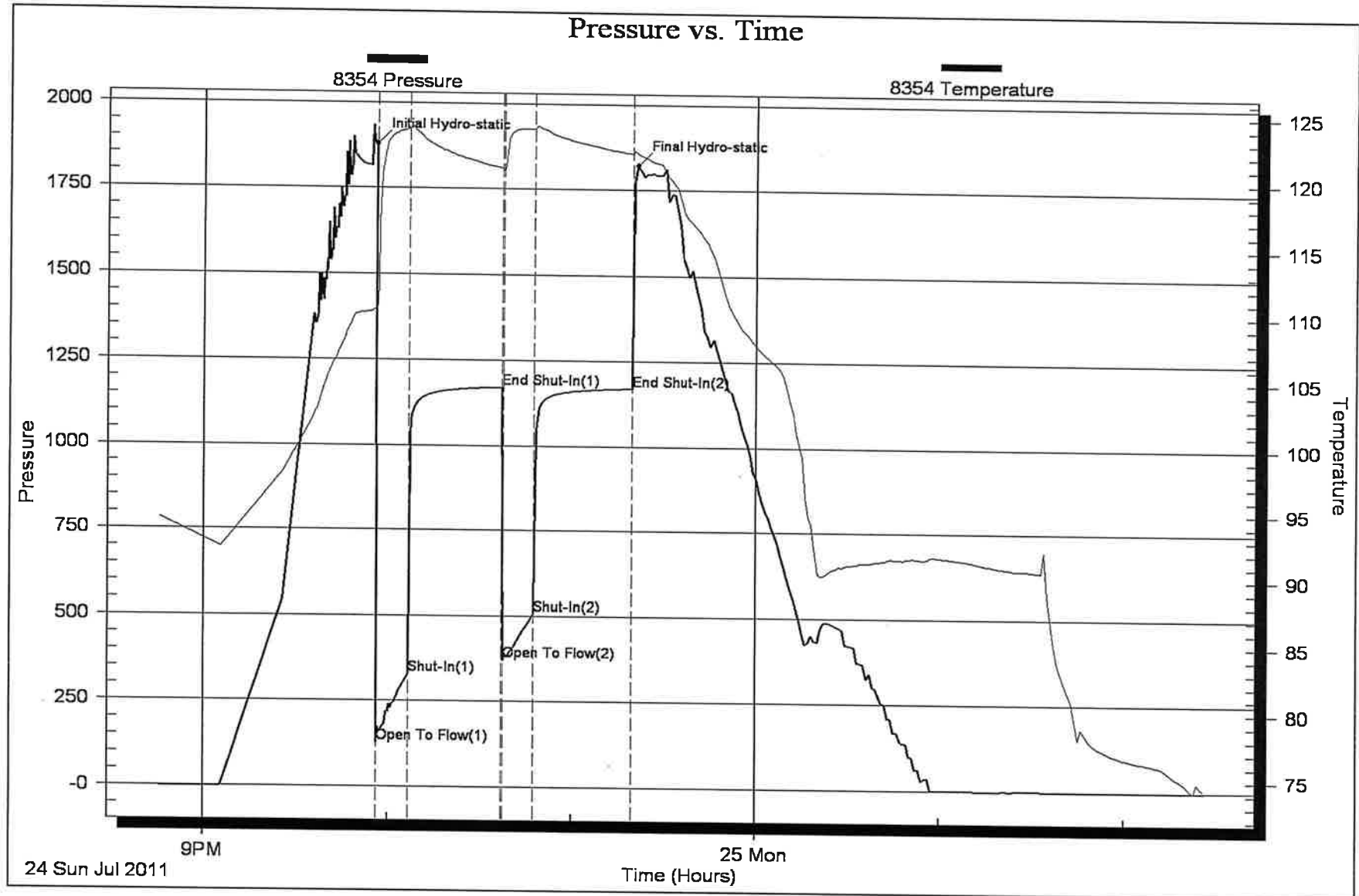
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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/>

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

Sam Brownback, Governor

October 10, 2011

Francis Hitschmann
Hitschmann, Curtis Lee dba Curt's Oil
Operations
PO BOX 8
GREAT BEND, KS 67530

Re: ACO1
API 15-051-26158-00-00
Befort 7
NE/4 Sec.11-14S-20W
Ellis 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,
Francis Hitschmann