



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205093
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1205093

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

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	T Isern 3-13
Doc ID	1205093

Tops

Name	Top	Datum
Anhydrite	1418	803
Heebner	3740	-1519
Lansing	3790	-1569
Base Kansas City	4130	-1909
Pawnee	4261	-2040
Ft. Scott	4284	-2063
Cherokee	4302	-2081
Mississippian	4362	-2141
TD	4390	-2169

Geological Report

American Warrior, Inc.

T. Isern #3-13

335' FNL & 1670' FEL

Sec. 13 T20s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
T. Isern #3-13
335' FNL & 1670' FEL
Sec. 13 T20s R21w
Ness County, Kansas
API # 15-135-25739-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: February 20, 2014

Completion Date: February 28, 2014

Elevation: 2215' Ground Level
2221' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 4 mi. to HH Rd. South
9 mi. to 40 Rd. 1 ½ mi. East, South into location.

Casing: 222' 8 5/8" surface casing
4384' 5 1/2" production casing

Samples: 10' wet and dry, 4050' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Bob Hamel"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	T. Isern #3-13
	Sec. 13 T20s R21w
	335' FNL & 1670' FEL
Formation	
Anhydrite	1418', +803
Base	1442', +779
Heebner	3740', -1519
Lansing	3790', -1569
BKc	4130', -1909
Pawnee	4261', -2040
Fort Scott	4284', -2063
Cherokee	4302', -2081
Mississippian	4362', -2141
RTD	4385', -2164

Sample Zone Descriptions

Mississippian Osage (4362', -2141): Covered in DST #1

Δ – Dolo – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert with good scattered vuggy porosity, light to fair oil stain and saturation, slight to fair show of free oil, light odor, fair yellow fluorescents, 20-35 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Bob Hamel"

DST #1

Mississippian Osage

Interval (4365' – 4380') Anchor Length 15'

IHP	– 2256 #	
IFP	– 45" – Built to 2 ½ in.	17-44 #
ISI	– 45" – Dead	1031 #
FFP	– 45" – Built to 1 ¼ in.	47-62 #
FSI	– 45" – Dead	992 #
FHP	– 2115 #	
BHT	– 118°F	

Recovery: 65' CO
 61' OCM 30% Oil

Structural Comparison

	American Warrior, Inc. T. Isern #3-13 Sec. 13 T20s R21w 335' FNL & 1670' FEL	American Warrior, Inc. T. Isern #1-13 Sec. 13 T20s R21w 450' FNL & 2210' FEL		Associate Petro. Consult. Isern #1 Sec. 13 T20s R21w SE NW NE	
Formation					
Anhydrite	1418', +803	1413', +802	(+1)	1405', +802	(+1)
Base	1442', +779	NA	NA	1428', +779	FL
Heebner	3740', -1519	3737', -1522	(+3)	3732', -1525	(+6)
Lansing	3790', -1569	3787', -1572	(+3)	3783', -1576	(+7)
BKc	4130', -1909	NA	NA	4122', -1915	(+6)
Pawnee	4261', -2040	NA	NA	NA	NA
Fort Scott	4284', -2063	4281', -2066	(+3)	4277', -2070	(+7)
Cherokee	4302', -2081	NA	NA	4295', -2088	(+7)
Mississippian	4362', -2141	4366', -2151	(+10)	4356', -2149	(+8)

Summary

The location for the T. Isern #3-13 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ in. production casing to further evaluate the T. Isern #3-13 well.

Recommended Perforations

Mississippian Osage:	(4362' – 4382')	DST #1
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

ALLIED OIL & GAS SERVICES, LLC 062686

Federal Tax I.D. # 20-8551475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <i>2-22-14</i>	SEC. <i>13</i>	TWP. <i>20S</i>	RANGE <i>21W</i>	CALLED OUT	ON LOCATION	JOB START <i>5:00 pm</i>	JOB FINISH <i>6:00 pm</i>
LEASE <i>T-Isen</i>	WELL # <i>3-13</i>	LOCATION <i>HHRd 57040Rd 2E</i>			COUNTY <i>NESS</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>				<i>Sinto</i>			

CONTRACTOR *Perrymark Drilling*

TYPE OF JOB *Sur Face*

HOLE SIZE *12 1/4* T.D.

CASING SIZE *6 5/8* DEPTH *212.53*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 ft*

PERFS.

DISPLACEMENT *12.58 bbls*

OWNER

CEMENT

AMOUNT ORDERED *150 SKS Class A*

34 cc 24.981

EQUIPMENT

PUMP TRUCK CEMENTER *Dustin Chambers*

398 HELPER *Josh Ellis*

BULK TRUCK

57112 DRIVER *Ken's Wiggins*

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Break circulation with big mud pump 5 bbls freshwater ahead

Mix 150 SKS cement

Displace 12.58 bbls freshwater & start

Cement did circulation

plug down 6:00 pm

Big, Done

CHARGE TO: *American Halliwell*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Lauren Amerin*

SIGNATURE *Lauren Amerin*

Thank you!!

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Date 2-22-14 District Greater DJS Ticket No. 626156
 Company American well Rig Parismark
 Lease T-1342 Well No. 7-13
 County NESS State KY
 Location HARDWOOD 2E 1N Field 1/2w 9:30

CEMENT DATA:
 Spacer Type: Freshwater
 Amt. 5 bbls Skys Yield _____ ft³/sk Density 5.34 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 4 5/8 Type new Weight 24.2 Collar SR

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

Casing Depths: Top KB Bottom _____

TAIL: Pump Time _____ hrs. Type CLASS A
 Amt. 150 Skys Yield 1.34 ft³/sk Density 15.2 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls

Drill Pipe: Size 4 1/2 Weight 16.6 Collar SR
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Pump Trucks Used 398 - Josh E
 Bulk Equip. 671-112 Kevin W

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10.677 Lin. ft./Bbl. 115.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 1.0142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. 212.54
 Perforations: From _____ ft. to _____ ft. Amt. 5.34

Float Equip: Manufacturer _____
 Shot: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Freshwater Amt. _____ Bbls. Weight 8.34 PPG
 Mud Type MAZIVE Weight 11.2 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Dustin C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						2N Location - Rig up Had safety meeting
						Run 4 5/8 casing Break circulation with rig, mud Hook up cement pump
					5 bbls	pump 5 bbls freshwater ahead
			40.79	39.79		Mix 150 sks cement
			53.37	12.58		Replace 12.58 bbls freshwater & shut in
						cement did circulate
						plug down 6:20 pm
						Rig Down



Services, Inc.

TICKET 25453

PAGE 1 OF 2

CHARGE TO: AMERICAN WATER TAX
 ADDRESS
 CITY, STATE, ZIP CODE

SERVE LOCATIONS
 1. Ness City, KS
 2.
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO. 3-13 LEASE T. TSEB COUNTY/PARISH Ness STATE Ks CITY
 TICKET TYPE SALES CONTRACTOR Petrowick Digs #1 RIG NAME/NO. Wess SHIPPED YES DELIVERED TO HOUSTON ORDER NO.
 WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE 5 1/2" LONGSTRINGS WELL PERMIT NO.
 INVOICE INSTRUCTIONS

DATE 3-1-14 OWNER Same
 WELL LOCATION Boone, KS - 4 E, 9 S, 13 1/4 E

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	UM	QTY.		UM	
575		1			MILEAGE # 115	30	ME		6.00		180.00
578		1			Pump Charge	1	JOB	4385	FT	1500.00	1500.00
221		1			LEAD KCL	2	GM		25.00		50.00
281		1			MUDFLUSH	500	GM		1.25		625.00
402		1			CENTRALIZES	5	EA	5 1/2"	70.00		350.00
403		1			CENSUR BASKETS	2	EA		300.00		600.00
404		1			POAR COVER TOST #72	1	EA	1375	FT	2900.00	2900.00
406		1			LATCH DOWN RIG. BATTLE	1	EA		295.00		295.00
407		1			ISSUE FLOOR SHOE W/ AUTO FILL	1	EA		375.00		375.00
419		1			ROTATING HEAD RENTAL	1	JOB		200.00		200.00

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

DATE SIGNED 3-1-14 TIME SIGNED 0700 A.M. P.M.

SIGNED BY Scott

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORIL Y?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	

PAGE TOTAL #1

TOTAL 12,475.64

SWIFT OPERATOR Wayne Watson APPROVAL

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-1-14 PAGE NO. 7

CUSTOMER American Limestone Lbr. WELL NO. 3-B LEASE T. ISEW JOB TYPE 5/2 LONGSTRING TICKET NO. 25453

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							ON LOCATION
	0730							START 5/2" CASING IN WELL
								TD - 4385' SET = 4384
								TP - 4386' 5/2" 15.5
								ST - 43'
								CENTRALIZERS - 1, 2, 3, 4, 71
								CMT BOXES - 5, 72
								PORT COLLAR = 1375 TOBIT # 72
	0945							DROP BALL - CALCULATE ROTATE
	1020	6	12		✓		400	PUMP 500 GAL MUD FLUSH
	1022	6	20		✓		400	PUMP 20 BBL KCL - FLUSH
	1030		7					PLUG RH (30SWS)
	1035	4 1/2	35		✓		250	MIX CEMENT - 145 SWS EA-2 = 15.4 PPG
	1045							WASH OUT PUMP - LINES
	1045							RELEASE LATCH DOWN PLUG
	1050	7	0		✓			DISPLACE PLUG
	1105	6	103.4				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	1107						OK	RELEASE PSE - HELD
								WASH TRUCK
	1230							JOB COMPLETE
								THANK YOU
								WAVE, DUSTY, JUAN, ROB



Services, Inc.

CHARGE TO: AMERICAN WARRIOR

TICKET 26118

ADDRESS

PAGE 1 OF 1

SERVICE LOCATIONS
1. NESS CITY, KS.

WELL/PROJECT NO.

LEASE

T. ISEBN 3-13

COUNTY/PARISH
NESS

STATE
KS

CITY
TAZUVE, KS.

DATE
6 MAR 14

OWNER

2. NESS CITY, KS.

TICKET TYPE
 SERVICE
 SALES

CONTRACTOR
ND OILFIELD SERV.

RIG NAME/NO.

SHIPPED VIA

DELIVERED TO

ORDER NO.

3. REFERRAL LOCATION

WELL TYPE
OIL

WELL CATEGORY
DEVELOPMENT

JOB PURPOSE
GENERAL TOOL PULLAR

WELL PERMIT NO.

WELL LOCATION
4E 9S 13 1/4E S150

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE			30	mi	6.00	180.00
576 D				Pump Charge - Port Collar			1	job	1500.00	1500.00
330				SMD Cement			135	lbs	18.00	2497.00
276				Flocalc			35	lbs	2.50	87.50
290				D-Air			42	bags	2.00	84.00
104				Port Collar Open Tool Rental			1	job	250.00	250.00
581				Service Charge Cement			175	lbs	2.00	350.00
583				Drillage			261	ft	1.00	261.00

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 3-6-14 TIME SIGNED 1600 P.M.

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

SURVEY
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
WE UNDERSTOOD AND MET YOUR NEEDS?
OUR SERVICE WAS PERFORMED WITHOUT DELAY?
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

PAGE TOTAL 5210.31
TOTAL 5389.73

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

SWIFT OPERATOR David Kuehn APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE MAR 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE T. ISERN 3-13

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 26118

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							ON LOCATION
								PORT COLLAR @ 1380
	1445				✓		1000	TEST - HELD
								OPEN PORT COLLAR
	1455	4	75	✓				MIX 135 SX SMD
		3	4 3/4	✓				DISPLACE CEMENT
								CIRCULATE. 2D SX TO PIT
	1515				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 STS.
	1530	3	20		✓		300	REVERSE CLEAN.
								WASH TRUCK
	1600							Job Complete

Thank you

Jason Dave Juan Issac



DRILL STEM TEST REPORT

Prepared For: **American Warrior**
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm / Scott Co

T Isern #3-13

13-20s-21w Ness,KS

Start Date: 2014.02.28 @ 15:00:00

End Date: 2014.02.28 @ 22:48:00

Job Ticket #: 56157 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.04 @ 11:43:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior

13-20s-21w Ness,KS

PO Box 399
Garden City, KS 67846

T Isern #3-13

Job Ticket: 56157

DST#: 1

ATTN: Jason Alm / Scott Co

Test Start: 2014.02.28 @ 15:00:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:49:30

Time Test Ended: 22:48:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 4365.00 ft (KB) To 4380.00 ft (KB) (TVD)

Reference Elevations: 2221.00 ft (KB)

Total Depth: 4380.00 ft (KB) (TVD)

2215.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6625 Outside

Press@RunDepth: 62.11 psig @ 4366.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.28

End Date:

2014.02.28

Last Calib.:

2014.02.28

Start Time: 15:00:01

End Time:

22:48:00

Time On Btm:

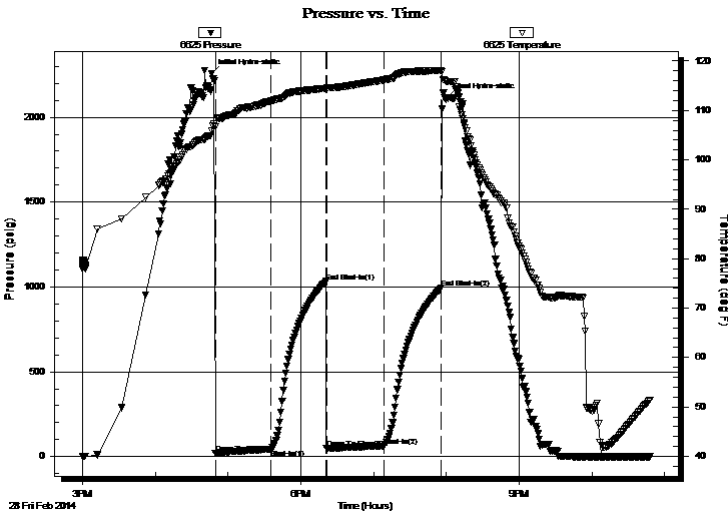
2014.02.28 @ 16:46:30

Time Off Btm:

2014.02.28 @ 20:00:30

TEST COMMENT: I.F. - 45 - Weak surface blow built to 2 1/2"
I.S.I. - 45 - No blow back
F.F. - 45 - Weak surface blow built to 1 1/4"
F.S.I. - 45 - No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.29	105.88	Initial Hydro-static
3	17.58	106.66	Open To Flow (1)
49	43.68	111.88	Shut-In(1)
94	1031.17	114.48	End Shut-In(1)
95	47.78	114.47	Open To Flow (2)
142	62.11	116.18	Shut-In(2)
189	992.19	118.11	End Shut-In(2)
194	2115.75	115.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	O,C,M, 30 % OIL 70 % MUD	0.30
65.00	CLEAN OIL 100%	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

13-20s-21w Ness,KS

PO Box 399
Garden City, KS 67846

T Isern #3-13

Job Ticket: 56157

DST#: 1

ATTN: Jason Alm / Scott Co

Test Start: 2014.02.28 @ 15:00:00

Tool Information

Drill Pipe:	Length: 4225.00 ft	Diameter: 3.80 inches	Volume: 59.27 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	54000.00 lb
Drill Pipe Above KB:	6.00 ft			Final	54000.00 lb
Depth to Top Packer:	4365.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4346.00	
Shut In Tool	5.00			4351.00	
Hydraulic tool	5.00			4356.00	
Packer	4.00			4360.00	20.00 Bottom Of Top Packer
Packer	5.00			4365.00	
Stubb	1.00			4366.00	
Recorder	0.00	6625	Outside	4366.00	
Recorder	0.00	8166	Inside	4366.00	
Perforations	10.00			4376.00	
Bullnose	4.00			4380.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

13-20s-21w Ness,KS

PO Box 399
Garden City, KS 67846

T Isern #3-13

Job Ticket: 56157

DST#: 1

ATTN: Jason Alm / Scott Co

Test Start: 2014.02.28 @ 15:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	O,C,M, 30 % OIL 70 % MUD	0.300
65.00	CLEAN OIL 100%	0.320

Total Length: 126.00 ft Total Volume: 0.620 bbl

Num Fluid Samples: 0

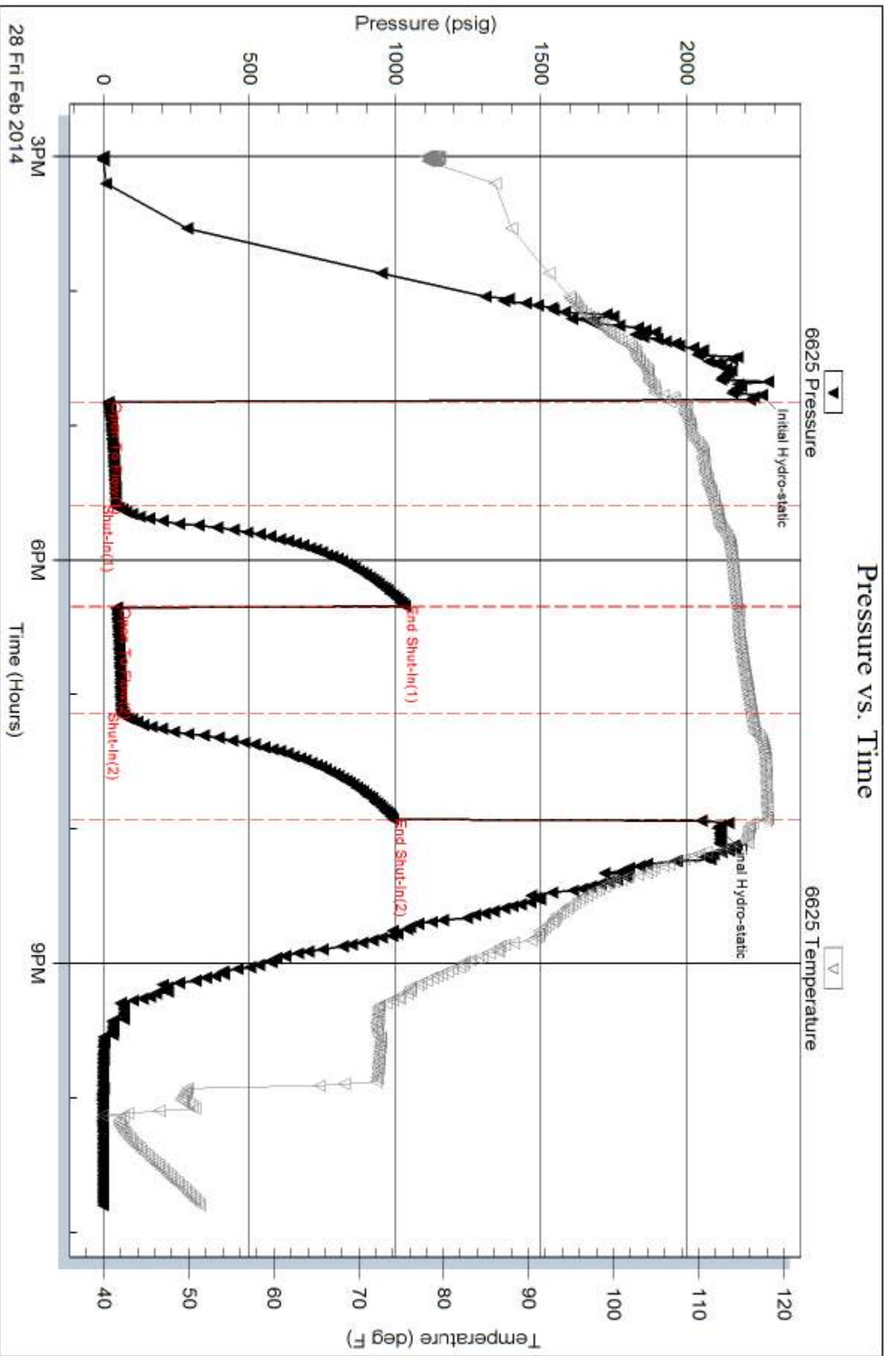
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API34.6 API @ 36 DEG.



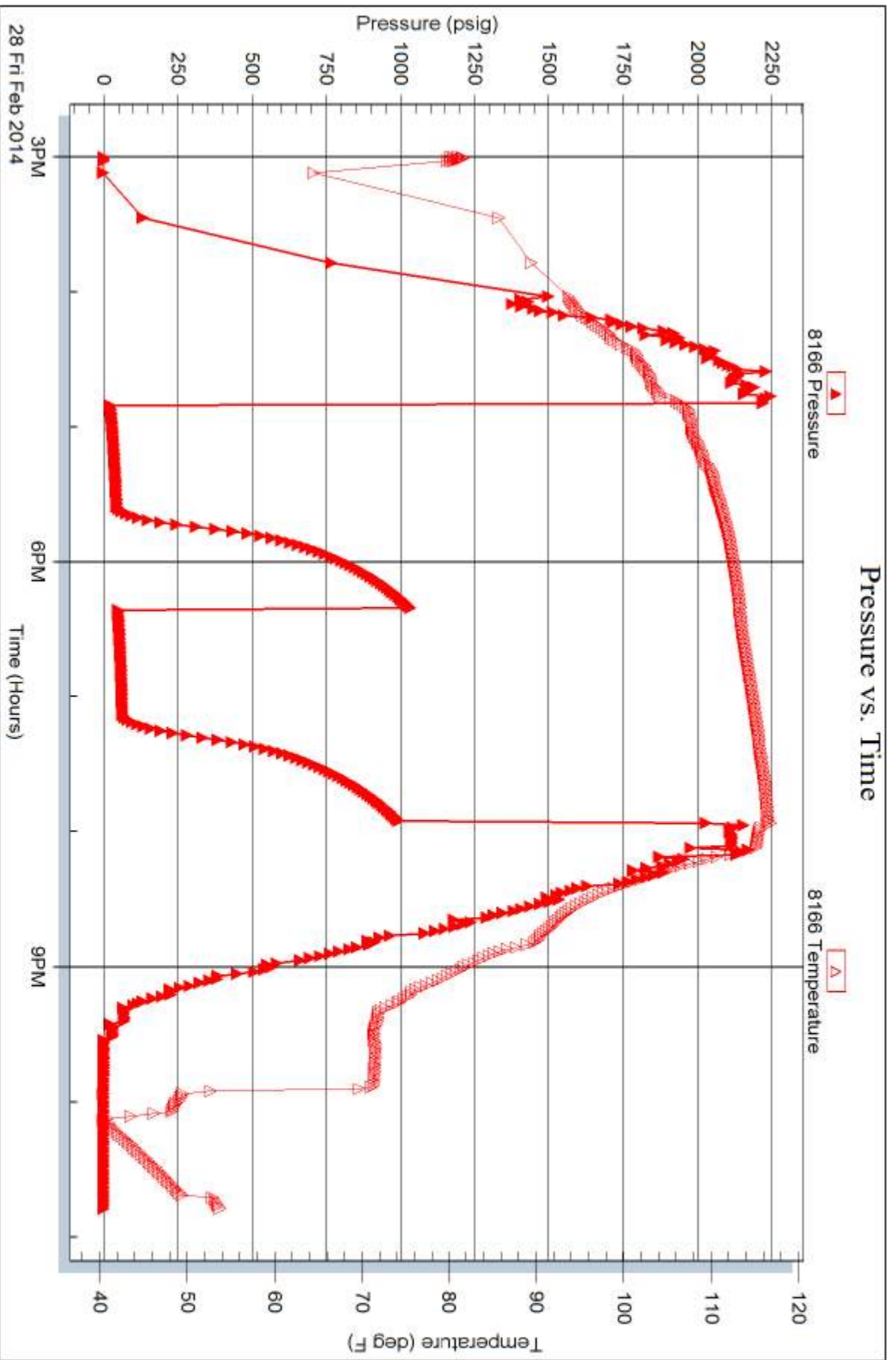
Serial #: 8166

Inside

American Warrior

T Item #3-13

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56157

Printed: 2014.03.04 @ 11:43:14



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56157

4/10

Well Name & No. T. Isern #3-13 Test No. 1 Date 2-28-14
 Company American Warrior Elevation 2221 KB 2215 GL
 Address 3118 Cummings Rd, P.O. Box 399 Garden City KS. 67846
 Co. Rep / Geo. Jason Alm, / Scott Corsair Rig Petromark Rig #1
 Location: Sec. 13 Twp. 20 S. Rge. 21 W. Co. Ness State KS.

Interval Tested 4365-4380 Zone Tested MISS.
 Anchor Length 15' Drill Pipe Run 4225 Mud Wt. 9.9
 Top Packer Depth 4360 Drill Collars Run 126 Vis 56
 Bottom Packer Depth 4365 Wt. Pipe Run --- WL 8.4
 Total Depth 4380 Chlorides 8,000 ppm System LCM 0

Blow Description I.F-45-1/2 INT. Blow Built to (2 1/2" in 45 min.)
I.S.I-45-No B.B.
F.F-45W S.B. Started @ 5 min. Built to (1 1/4" in 45 min.)
F.S.I-45 No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Clean oil</u>		<u>100</u>		
<u>61</u>	<u>O.C.M.</u>		<u>30</u>		<u>70</u>

Rec Total 126 BHT 116 Gravity 37 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2,223</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>14:00:00</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:00:00</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:50:00</u>
(D) Initial Shut-In <u>1,031</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>19:50:00</u>
(E) Second Initial Flow <u>48</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:48:00</u>
(F) Second Final Flow <u>62</u>	<input checked="" type="checkbox"/> Mileage <u>116 / RT 179.80</u>	Comments <u>"Thank-you"</u>
(G) Final Shut-In <u>992</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2,116</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>1754.80</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	Sub Total <u>1754.80</u>

Approved By _____ Our Representative Bob Adams

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