

Kansas Corporation Commission Oil & Gas Conservation Division

1081964

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 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City:	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.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Operator Name:
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

AFFIDAVIT

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

Submitted Electronically

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

Side Two



Operator Name: _ Lease Name: _ _ Well #: _ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion	
Operator American Warrior, Inc.		
Well Name Marshall 2-27		
Doc ID 1081964		

Tops

Name	Тор	Datum
Anhydrite	1378	783
Chase	2248	-87
Heebner	3611	-1450
Lansing	3656	-1495
Base Kansas City	3977	-1816
Pawnee	4056	-1895
Ft. Scott	4128	-1967
Cherokee	4143	-1982
Mississippian	4221	-2060
TD	4230	-2069



Prepared For: American Warrior Inc.

PO Box 399

Garden City, KS 67646

ATTN: Jason Alm

Marshall #2-27

27-18s-21w Ness,KS

Start Date: 2012.01.19 @ 04:49:06 End Date: 2012.01.19 @ 11:52:36 Job Ticket #: 46410 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



American Warrior Inc.

PO Box 399

Garden City, KS 67646

ATTN: Jason Alm

27-18s-21w Ness, KS

Marshall #2-27

Unit No:

Job Ticket: 46410 **DST#:1**

Test Start: 2012.01.19 @ 04:49:06

41

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 06:55:36
Time Test Ended: 11:52:36

Interval: 4142.00 ft (KB) To 4205.00 ft (KB) (TVD)

Total Depth: 4205.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Tester: Brian Fairbank

Reference Elevations: 2161.00 ft (KB)

2155.00 ft (CF) KB to GR/CF: 6.00 ft

Serial #: 8734 Outside

Press @ RunDepth: 91.05 psig @ 4145.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.01.19
 End Date:
 2012.01.19
 Last Calib.:
 2012.01.19

 Start Time:
 04:49:07
 End Time:
 11:52:36
 Time On Btm:
 2012.01.19 @ 06:53:06

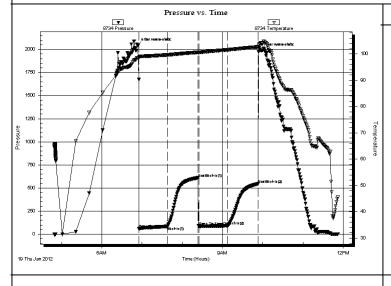
 Time Off Btm:
 2012.01.19 @ 09:57:06

TEST COMMENT: IFP - w eak blow throughout sur 3"

ISI - no blow back 10 min - weak sur blow back - died 15 min

FFP - weak to fair blow sur - 4"

FSI - no blow back



Time	Pressure Temp		Annotation
(Min.)	(psig)	(deg F)	
0	2045.11	98.55	Initial Hydro-static
3	60.51	98.69	Open To Flow (1)
45	84.07	99.62	Shut-In(1)
91	610.24	100.62	End Shut-In(1)
92	85.35	100.51	Open To Flow (2)

PRESSURE SUMMARY

 135
 91.05
 101.57
 Shut-ln(2)

 180
 545.56
 102.67
 End Shut-ln(2)

 184
 1989.60
 104.11
 Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	HOCM 30%O, 70%M	0.74
-		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 46410 Printed: 2012.01.20 @ 11:59:30



American Warrior Inc. 27-18s-21w Ness, KS

PO Box 399

Garden City, KS 67646 Job Ticket: 46410 **DST#:1**

Marshall #2-27

ATTN: Jason Alm Test Start: 2012.01.19 @ 04:49:06

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 06:55:36 Tester: Brian Fairbank
Time Test Ended: 11:52:36 Unit No: 41

Interval: 4142.00 ft (KB) To 4205.00 ft (KB) (TVD) Reference Elevations: 2161.00 ft (KB)

Total Depth: 4205.00 ft (KB) (TVD) 2155.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 6.00 ft

Serial #: 6669 Inside

Press@RunDepth: psig @ 4145.00 ft (KB) Capacity: 8000.00 psig

Time

Start Date: 2012.01.19 End Date: 2012.01.19 Last Calib.: 2012.01.19

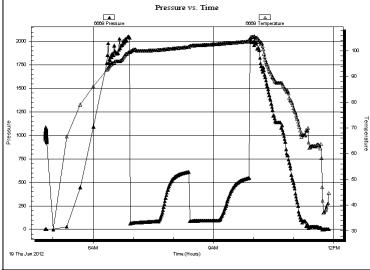
Start Time: 04:48:37 End Time: 11:53:06 Time On Btm: Time Off Btm:

TEST COMMENT: IFP - w eak blow throughout sur 3"

ISI - no blow back 10 min - weak sur blow back - died 15 min

FFP - weak to fair blow sur - 4"

FSI - no blow back



	(Min.)	(psig)	(deg F)	
Temperatura				
Jre.				

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)
130.00	HOCM 30%O, 70%M	0.74

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

Trilobite Testing, Inc Ref. No: 46410 Printed: 2012.01.20 @ 11:59:30



TOOL DIAGRAM

American Warrior Inc.

27-18s-21w Ness, KS

PO Box 399

Marshall #2-27

Garden City, KS 67646

Job Ticket: 46410 DST#: 1

ATTN: Jason Alm

Test Start: 2012.01.19 @ 04:49:06

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4009.00 ft Diameter: 0.00 ft Diameter: 119.00 ft Diameter: 3.80 inches Volume: 56.24 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.59 bbl

Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 85000.00 lb 15.00 ft

Drill Pipe Above KB: 13.00 ft Depth to Top Packer: 4142.00 ft

Length:

Total Volume: 56.83 bbl Tool Chased

String Weight: Initial 60000.00 lb Final 60000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 63.00 ft Tool Length: 90.00 ft

2 Diameter: 6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4120.00		
Hydraulic tool	5.00			4125.00		
Jars	5.00			4130.00		
Safety Joint	2.00			4132.00		
Packer	5.00			4137.00	27.00	Bottom Of Top Packer
Packer	5.00			4142.00		
Stubb	1.00			4143.00		
Perforations	1.00			4144.00		
Change Over Sub	1.00			4145.00		
Recorder	0.00	6669	Inside	4145.00		
Recorder	0.00	8734	Outside	4145.00		
Blank Spacing	31.00			4176.00		
Change Over Sub	1.00			4177.00		
Perforations	25.00			4202.00		
Bullnose	3.00			4205.00	63.00	Bottom Packers & Anchor

Total Tool Length: 90.00

Printed: 2012.01.20 @ 11:59:31 Trilobite Testing, Inc Ref. No: 46410



FLUID SUMMARY

ppm

DST#: 1

American Warrior Inc. 27-18s-21w Ness, KS

PO Box 399

ATTN: Jason Alm

Marshall #2-27

Water Salinity:

Garden City, KS 67646 Job Ticket: 46410

Test Start: 2012.01.19 @ 04:49:06

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 65.00 sec/qt Cushion Volume: bbl

Water Loss: 9.58 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 8000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

	Length ft	Description	Volume bbl
130.00 HOCM 30		HOCM 30%O. 70%M	0.740

Total Length: 130.00 ft Total Volume: 0.740 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

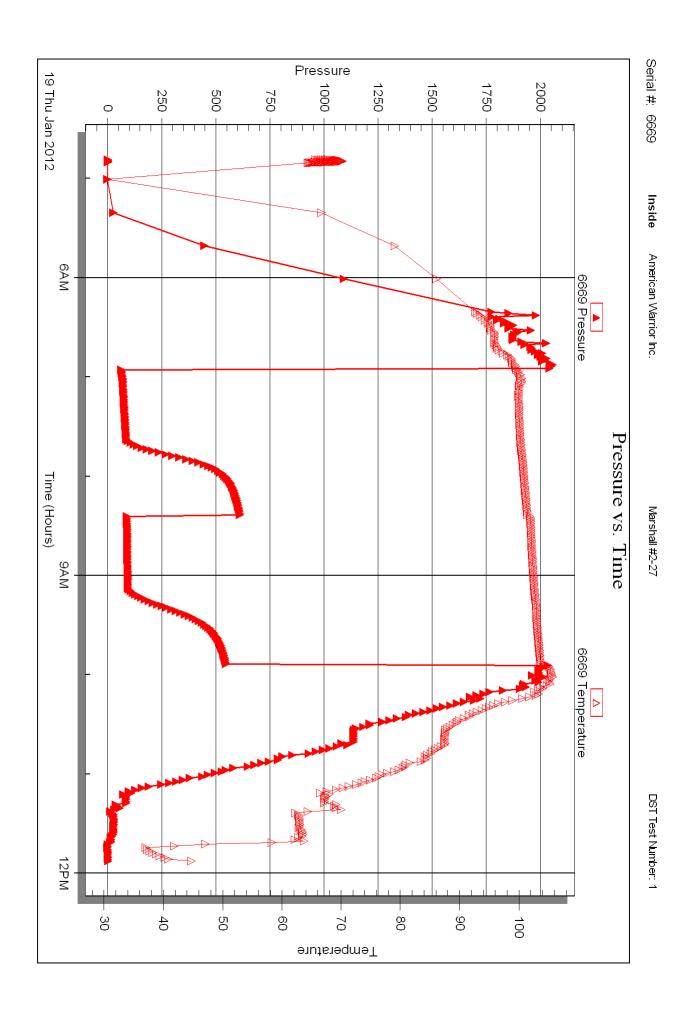
Trilobite Testing, Inc Ref. No: 46410 Printed: 2012.01.20 @ 11:59:31

Trilobite Testing, Inc

Ref No

46410

Printed: 2012.01.20 @ 11:59:32



Trilobite Testing, Inc

Ref. No:

46410

Printed: 2012.01.20 @ 11:59:32



Prepared For: American Warrior Inc.

PO Box 399

Garden City, KS 67646

ATTN: Jason Alm

Marshall #2-27

27-18s-21w Ness,KS

Start Date: 2012.01.19 @ 21:14:01 End Date: 2012.01.20 @ 04:25:01 Job Ticket #: 46411 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



American Warrior Inc. 27-18s-21w Ness, KS

PO Box 399

Garden City, KS 67646

ATTN: Jason Alm T

Marshall #2-27

Job Ticket: 46411 **DST#:2**

Test Start: 2012.01.19 @ 21:14:01

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 23:49:01 Tester: Brian Fairbank
Time Test Ended: 04:25:01 Unit No: 41

Interval: 4223.00 ft (KB) To 4229.00 ft (KB) (TVD)

Total Depth: 4229.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Bevations: 2161.00 ft (KB)

KB to GR/CF: 6.00 ft

2155.00 ft (CF)

Serial #: 8734 Outside

Press@RunDepth: 715.83 psig @ 4224.00 ft (KB) Capacity: 8000.00 psig

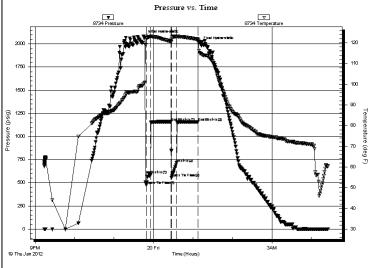
 Start Date:
 2012.01.19
 End Date:
 2012.01.20
 Last Calib.:
 2012.01.20

 Start Time:
 21:14:04
 End Time:
 04:25:03
 Time On Btm
 2012.01.19 @ 23:46:03

 Time Off Btm:
 2012.01.20 @ 01:10:33

TEST COMMENT: IFP - BOB 1 min

ISI - 1/4" blow back FFP - BOB 40 sec FSI - 1/4" blow back



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2071.95	100.69	Initial Hydro-static
	3	473.74	122.16	Open To Flow (1)
	10	589.97	122.95	Shut-In(1)
4	41	1159.96	120.63	End Shut-In(1)
Temperature	42	555.59	121.70	Open To Flow (2)
rature	49	715.83	122.95	Shut-In(2)
dea	82	1159.05	121.72	End Shut-In(2)
פ	85	2004.40	114.91	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
620.00	MW 95%W, 5%M	7.61
310.00	SO & MCW 5%O, 90%W, 5%M	4.35
340.00	SGO & MCW 10%G, 5%O, 80%W, 5%N	A 4.77
95.00	HOCM 40%O, 60%M	1.33
* Recovery from mult	iple tests	

Ous rui	.00	
Choka (inahaa)	Drocouro (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc Ref. No: 46411 Printed: 2012.01.20 @ 11:58:30



American Warrior Inc.

PO Box 399

Garden City, KS 67646

ATTN: Jason Alm

27-18s-21w Ness, KS

Marshall #2-27

Job Ticket: 46411 DST#:2

Test Start: 2012.01.19 @ 21:14:01

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:49:01 Time Test Ended: 04:25:01

Interval: 4223.00 ft (KB) To 4229.00 ft (KB) (TVD)

Total Depth: 4229.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Reset) Tester: Brian Fairbank

Unit No: 41

Reference ⊟evations:

2161.00 ft (KB)

2155.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6669

Inside

Press@RunDepth:

psig @

4224.00 ft (KB)

2012.01.20

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2012.01.19 21:14:06

End Date: End Time:

04:25:05

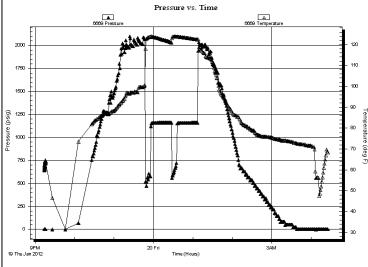
Time On Btm:

2012.01.20

Time Off Btm:

TEST COMMENT: IFP-BOB 1 min

ISI - 1/4" blow back FFP - BOB 40 sec FSI - 1/4" blow back



PRESSURE SUMMARY

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Ter				
Temperature (deg F)				
ea T				

Recovery

Length (ft)	Description	Volume (bbl)
620.00	MW 95%W, 5%M	7.61
310.00	SO & MCW 5%O, 90%W, 5%M	4.35
340.00	SGO & MCW 10%G, 5%O, 80%W, 5%N	A 4.77
95.00	HOCM 40%O, 60%M	1.33
* Recovery from mult	tinla tasts	

Gas Rates

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

Trilobite Testing, Inc Ref. No: 46411 Printed: 2012.01.20 @ 11:58:30



TOOL DIAGRAM

American Warrior Inc.

27-18s-21w Ness, KS

PO Box 399

Marshall #2-27

Job Ticket: 46411

DST#: 2

Garden City, KS 67646

ATTN: Jason Alm

Test Start: 2012.01.19 @ 21:14:01

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4101.00 ft Diameter: Length:

0.00 ft Diameter: 119.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume:

57.53 bbl 0.00 bbl 0.59 bbl

58.12 bbl Tool Chased

Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 70000.00 lb 0.00 ft

String Weight: Initial 60000.00 lb Final 62000.00 lb

Drill Pipe Above KB: 24.00 ft Depth to Top Packer: 4223.00 ft

Depth to Bottom Packer: ft Interval between Packers: 6.00 ft Tool Length: 33.00 ft

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4201.00		
Hydraulic tool	5.00			4206.00		
Jars	5.00			4211.00		
Safety Joint	2.00			4213.00		
Packer	5.00			4218.00	27.00	Bottom Of Top Packer
Packer	5.00			4223.00		
Stubb	1.00			4224.00		
Recorder	0.00	6669	Inside	4224.00		
Recorder	0.00	8734	Outside	4224.00		
Perforations	2.00			4226.00		
Bullnose	3.00			4229.00	6.00	Bottom Packers & Anchor

Total Tool Length: 33.00

Ref. No: 46411 Printed: 2012.01.20 @ 11:58:30 Trilobite Testing, Inc



FLUID SUMMARY

American Warrior Inc. 27-18s-21w Ness, KS

PO Box 399 Marshall #2-27

Garden City, KS 67646 Job Ticket: 46411 DST#:2

ATTN: Jason Alm Test Start: 2012.01.19 @ 21:14:01

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: 40000 ppm

Viscosity: 65.00 sec/qt Cushion Volume: bbl

Water Loss: 9.58 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 8000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	MW 95%W, 5%M	7.613
310.00	SO & MCW 5%O, 90%W, 5%M	4.348
340.00	SGO & MCW 10%G, 5%O, 80%W, 5%M	4.769
95.00	HOCM 40%O, 60%M	1.333

Total Length: 1365.00 ft Total Volume: 18.063 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 46411 Printed: 2012.01.20 @ 11:58:31

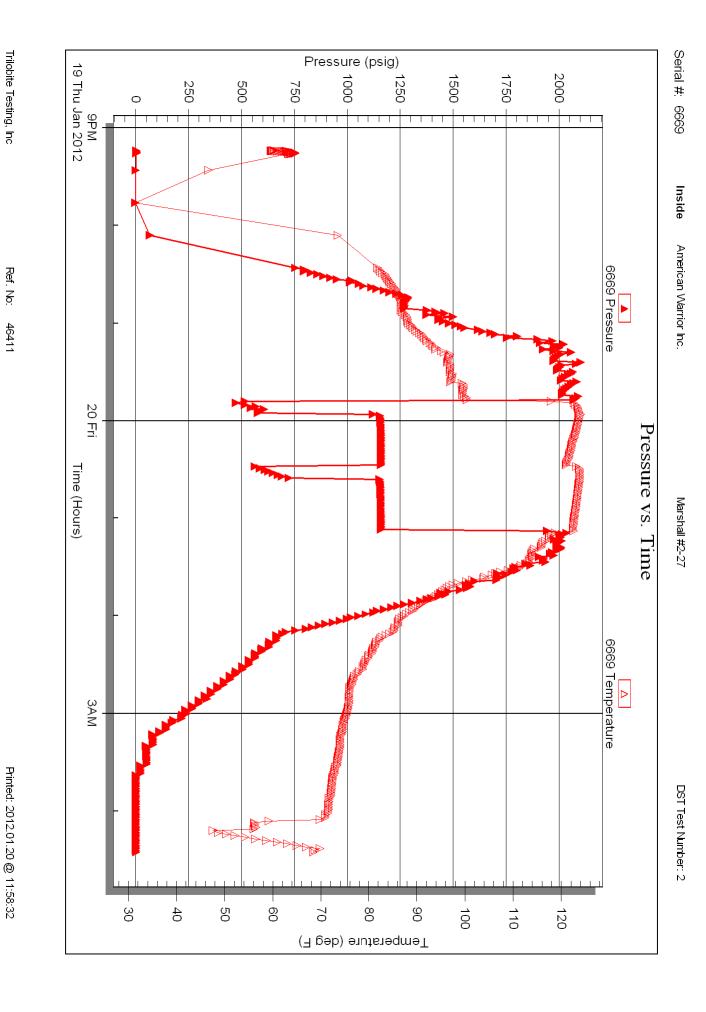
Temperature (deg F)

Trilobite Testing, Inc

Ref. No

46411

Printed: 2012.01.20 @ 11:58:31





RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10	BY:		
Well Name & No. Marshall #2-27		Date 1-19-	12
Company An Wensor	Elevation	2/6/ KB 2/5	55 GL
Address 3118 Cummings Rd Por	Bex 379 Gorden, City, Ky	67646	
Co. Rep/Geo. Jasen Alm	Rig_Petron	crk (
Location: Sec. 27 Twp. 18	Rge. 21 Co. Nes	J State	k
Interval Tested 4/142 - 420 5		1	
Anchor Length63	Drill Pipe Run 4009	Mud Wt %.3	
Top Packer Depth 4/37			
Bottom Packer Depth 4/42	Wt. Pipe Run	WL 9.6	
Total Depth 4205	Chlorides 8000 ppm		
Blow Description IFP- Week blow	1		
	back 10 mm - week so b	law beck-died	15 min
FFP week to fair	.)		
FSI- no blow be			
130 - 11-1/11		⊘ %oil %water	フシ %mud
Rec Feet of	%gas	%oil %water	%mud
Rec Feet of	%gas	%oil %water	%mud
RecFeet of	%gas	%oil %water	%mud
Rec Feet of	%gas	%oil %water	%mud
Rec Total 130 BHT 103		°F Chlorides	ppm
(A) Initial Hydrostatic 2045	Test) 1225	T-On Location	
(B) First Initial Flow 6	(Jars) 250	T-Started 044	19
(C) First Final Flow84	Safety Joint 75	T-Open 065	54
(D) Initial Shut-In 610	☐ Circ Sub	T-Pulled 095	<u> </u>
(E) Second Initial Flow	□ Hourly Standby 12hr 50	T-Out) ' +
(F) Second Final Flow	Mileage 79 RT 13800	Slid 5 to bon	ton
(G) Final Shut-In 546	☐ Sampler	slid 5 to Son	ren
(H) Final Hydrostatic/990	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In45	☐ Extra Recorder	Sub Total	***
Final Flow 45	☐ Day Standby	Total 1738.60	
Final Shut-In 45	☐ Accessibility	MP/DST Disc't	
4 - 1	Sub Total 1738.60		Ž
Approved By	Our Representative	From Foirbank	



RILOBITE ESTING INC.

JAN 2 0 2012 Test Ticket
No. 46411

P.O. Box 1733 • Hays, Kansas 67601 PY:

Well Name & No.	Marshall 2-27)	Test No	2	Date'	1-19-	12
Company Am	Worker		Elevation		КВ		
Address							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Co. Rep / Geo.	Jeser Alm		Rig Per	bomark 1	/		
Location: Sec.	27 Twp. 18			8		tate 10	
Interval Tested 4	223-4229	Zone Tested	Miss				
Anchor Length	6	Drill Pipe Run _	4101		Mud Wt	9.3	
Top Packer Depth	4218	Drill Collars Run	119		Vis	65	
Bottom Packer Depth		Wt. Pipe Run			WL	9-6	É
Total Depth	229	Chlorides &		pm System	LCM		
Blow Description	DFP- BOB 1						
7. S. S.	ISI- 14" blow						
	FFP- 130B 4						
	FSI- Ky 6/0						
Rec_ 95	Feet of HOCM		%gas	40 %oil	%\	water 6	%mud
Rec_ 340	Feet of SGOMCU	/	10 %gas	5 ‰il	80 %	water <	5 %mud
Rec_ 3/0	Feet of SOGMCW		%gas	≤ ‰il	90 %v		5 %mud
Rec_ 620	Feet of MW		%gas	%oil	95 %v	water <	S %mud
Rec	Feet of		%gas	%oil		water	%mud
Rec Total/363	<u>5</u> внт <u>/2</u> 2	Gravity	API RW .27/	@ 50°	F Chlorides	40,0	ppm ppm
	2072		35		ocation		
(B) First Initial Flow_		(Jars) 250	5	T-Start	ed	211	4
C) First Final Flow _	590	Safety Join	5 -	T-Oper		239	17
D) Initial Shut-In	1160	☐ Circ Sub		T-Pulle	ed	010	7
E) Second Initial Flow	JE 556	☐ Hourly Standby			(
F) Second Final Flow	716	Mileage 99R	T 138.60	Comm	ents		Was .
G) Final Shut-In	1159	☐ Sampler			-aA		
H) Final Hydrostatic_	2004	☐ Straddle		-	ined Obele D		
		☐ Shale Packer		<u> </u>	ined Shale P		-
nitial Open/D		☐ Extra Packer			ined Packer_		
nitial Shut-In	30	☐ Extra Recorder		- LA	tra Copies tal		
inal Flow	10	☐ Day Standby			1689	7.100	8
inal Shut-In	30	☐ Accessibility	-		ST Disc't		
			188.60		JI DISUL	,	
approved By	ta fiy	303000 033000 000000000000000000000000	Representative	Brian	Fairbe	36	

Geological Report

American Warrior, Inc.

Marshall #2-27
335' FSL & 900' FWL
Sec. 27 T18s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Marshall #2-27

335' FSL & 900' FWL Sec. 27 T18s R21w Ness County, Kansas API # 15-135-25323-0000

Drilling Contractor: Petromark Drilling, LLc. Rig #1

Geologist: Jason Alm

Spud Date: January 12, 2012

Completion Date: January 20, 2012

Elevation: 2155' Ground Level

2161' Kelly Bushing

Bazine KS, East on Hwy 96 3 mi. to GG rd. South on GG rd. $1/8^{th}$ mi. East into Location. Directions:

Casing: 227' 8 5/8" surface casing

4228' 5 1/2" production casing

10' wet and dry, 3500' to RTD Samples:

Drilling Time: 3500' to RTD

Log-Tech, Inc. "Brett Becker" Electric Logs:

CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Brian Fairbanks"

Problems: Test tool slid 10 ft. to bottom on DST #1

Remarks: Gas Detector was carrying nearly 80 units of

> background gas after DST #1. Therefore the Mississippian did not show a gas kick through the

background.

Formation Tops

1	
	American Warrior, Inc.
	Marshall #2-27
	Sec. 27 T18s R21w
Formation	330' FSL & 900' FWL
Anhydrite	1378', +783
Base	1410', +751
Chase	2248', -87
Heebner	3611', -1450
Lansing	3656', -1495
BKc	3977', -1816
Pawnee	4056', -1895
Fort Scott	4128', -1967
Cherokee	4143', -1982
Mississippian	4221', -2060
RTD	4229', -2068
LTD	4229', -2068

Sample Zone Descriptions

Cherokee "A" Sand (4126', -1965): Covered in DST #1

Ss – Quartz, fine to very fine grained, sub-rounded, well cemented, fairly sorted with poor to very poor inter-granular porosity, light scattered tarry oil stain in cluster, no show of free oil, 10 units hotwire.

Cherokee "C" Sand (4183', -2022): Covered in DST #1

Ss – Quartz, fine to medium grained, sub-rounded, fairly sorted, poor to fair cementation, with poor to fair inter-granular porosity, light oil stain in cluster, good show of free oil when broken, fair to good yellow fluorescents, no odor, 12 units hotwire.

Mississippian Osage (4221', -2060): Covered in DST #2

Dolo – Δ – Fine sucrosic crystalline with poor to fair vuggy porosity, heavy tripolitic chert, fairly weathered with scattered good vuggy porosity, light to good oil stain in porosity, good spotted yellow fluorescents.

Drill Stem Tests

Trilobite Testing, Inc. "Brian Fairbanks"

DST #1 Cherokee Sand

Interval (4142' – 4205') Anchor Length 63'

IHP - 2045 #

IFP - 45" - Built to 3 in. 60-84 #
ISI - 45" - W.S.B. 610 #
FFP - 45" - Built to 4 in. 85-91 #
FSI - 45" - Dead 545 #

FHP - 1989 # BHT - 104°F

Recovery: 130' HOCM 30% Oil

DST #2 <u>Mississippian Osage</u>

Interval (4223' – 4229') Anchor Length 6'

IHP -2071 #

IFP - 10" - B.O.B. 1 min. 473-589 #
ISI - 30" - Built to ¼ in. 1160 #
FFP - 10" - B.O.B. 40 sec. 555-715 #
FSI - 30" - Built to ¼ in. 1159 #

FHP - 2004 # BHT - 122°F

Recovery: 95' HOCM 40% Oil

340' SGO&MCW 5% Oil, 80% Water 310' SO& MCW 5% Oil, 90% Water

620' MCW

Structural Comparison

				1	
	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Marshall #2-27	Marshall #1		Marshall #1-27	
	Sec. 27 T18s R21w	Sec. 27 T18s R21w		Sec. 27 T18s R21w	
Formation	330' FSL & 900' FWL	330' FSL & 1300' FWL		1300' FSL & 2070' FWL	
Anhydrite	1378', +783	NA	NA	1328', +784	(-1)
Base	1410', +751	NA	NA	1360', +752	(-1)
Chase	2248', -87	2224', -85	(-2)	2192', -80	(-7)
Heebner	3611', -1450	3592', -1453	(+3)	3562', -1450	FL
Lansing	3656', -1495	3636', -1497	(+2)	3606', -1494	(-1)
BKc	3977', -1816	3954', -1815	(-1)	3924', -1812	(-4)
Pawnee	4056', -1895	4034', -1895	FL	4006', -1894	(-1)
Fort Scott	4128', -1967	4106', -1967	FL	4076', -1964	(-3)
Cherokee	4143', -1982	4122', -1983	(+1)	4091', -1979	(-3)
Mississippian	4221', -2060	4196', -2057	(-3)	4183', -2071	(+11)

Summary

The location for the Marshall #2-27 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of oil from the Cherokee Sand. After all gathered data had been examined the decision was made to run 5½ inch production casing to further evaluate the Marshall #2-27 well.

Recommended Perforations

-					
ν	rı	m	a	rv	•
			•	1 V	•

Cherokee "C" Sand	(4183' – 4190')	DST #1
Cherokee "A" Sand	(4146' – 4151')	DST #1

Before Abandonment:

Mississippian Osage	(4221' – 4224')	DST #2
Wilsissippian Osage	(TEEL TEET)	DOINE

Respectfully Submitted,

Jason T. Alm Hard Rock Consulting, Inc.

	former processes and the second second			parama and a second																hi ana reiona de arganes acado en aparamente d	and the second s								And the second
Hard Rock Consulting, Inc.	DNES DEPTH	NO SEE MANE THE DEPTH CAT FEEL HOUSE	DRILL STEM TESTS		2//2	4 - 1 - 1 - 1 - 1					460 150 150 17															· · · · · ·	i k	10 5	
Jason Alm Petroleum Geologist P.O. Box 1260			No. Interval 1979/Time 1989/Time 1979/Time 1989/Time 1981-9181 1920/1992	S	7.27	4-1														1	1		H South	m 7	0	1 2 2 8 4 2 5 W	33333		12/2
Hays, KS 67601				TARK TARK	1-1	1															1		450 450 45h	25.5.5.5.5.5.6.4.4.4.4.4.4.4.4.4.4.4.4.4.	1 50 J	1224 - 122 -	200 50 50 50 50 50 50 50 50 50 50 50 50 5	No.	03/12
API# 15-135-25323-0000			4	N N N N N N N N N N N N N N N N N N N	2.m.	1													1		1		202 202 202	34 32 84 40 84	SOUTH OF SOU	13.55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12 02 75 050 00 00 00 00 00 00 00 00 00 00 00 0	4	3 68
GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG			4	Comits Comits	3:30															1	1		四号字等	12 12 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	Recons 13	12 ET 12 12 12 12 12 12 12 12 12 12 12 12 12	FIT REELS 33. 32. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	. , ,	He he
OPERATOR American Warrior, Inc. FLEVATION				NUL 8												Anning the	ATTITUTE OF THE PARTY OF THE PA			No.		No.		7	L'E Keel	ولا المالية			
LEASE Marshall WELL NO. 2-27 KB 2161					Sub.	Kla.		xIn	ms-E	kla.			154	1/8	्रहरू इस्टर्ग	DWS	, in		6 Kln	14.		N Xh		The second	257	ord or	250-0		
FIELD Wildeat DF				ON Charles	sub.	- 54		333	7. W. 52	gns	Chr. Be		3	1000	701.5	1	25.85	Ma	775-	3		5xh	S. W.	The state of the s	edge sales	4 200 to	Series Series		
LOCATION 330' FSL 900' FWL Measurgments Are All	A			W CHOLO	7. 7.	S- u	Ben	3. E.	100/	Fa	20 50	DWS	#fed	Constant of the state of the st	S wood	25.64	4.0	Sala	7.0	the S	Gm.	5m	9	E TE	Les Con	N 2020	1000 mg		
SEC. 27 TWP. 185 RGE 21W From Kelly Bushing			4	ESS CONTRACTOR OF THE PROPERTY	4. San	रिंग रिंग र	·	TA STA	27	* 8	No.	HY	Me	24 12 Day	Sala	S.IR.	18:51	SS	Bry.	rk. 6	7.	noy.	6 ×/n	8 32 3 8.	THE RASS	Sel Sel	J. 19:35		441117
COUNTY Ness STATE Kansas CASING RECORD	FORMSON STORM	DESIGNATION OF SHOW LOSS HAVING	A	1	77	Sira Son	Caro.	9my.	8m.	15 to 15	The state of the s	Moss	Siry Sirk	The state of the s	W S	5 7	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	dib dib	Cary.	7 5	-8	1.t. C	29	2 800 K	The Sept.	Tolog Spolos	10 to		441117
CONTRACTOR Petromeck Osilling 11, Rie #7 SURFACE 8 1/8 @ 227		0 88		I HH isstor	Jan 12 12 12 12 12 12 12 12 12 12 12 12 12	4 8- 5-	Ja Drk	ok o	12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	300	033	la la	7 9 10	1 220	4, 2,	2 7 8	E 65.7	a Cr.	Irk.	lan lan	Say.	an-17.	True da	18 18 18 18 18 18 18 18 18 18 18 18 18 1	enter ber	The state of the s	1320		
COMM: 1-12-2012 COMP: 1-20-2012				40円田 5	ANS 72 - 72 - 72 - 72 - 73 - 74 - 75 - 74 - 75 - 75 - 75 - 75 - 75	25. 15 20. 17	h 8	2 -	and and a	hese 1-1	30.7	2 8	La Tring	Serre G.	- at	2 1	Si. T.	i a	77-4	* 1	2	2-2		15.	Service Control	Street Con	97.25		
RTD 4229' LOG TO 4229' PRODUCTION S/2'E 4228' SAMPLES SAVED FROM 3500' TO RTD				E STATE OF S	29 39 14 14		3 8 8	8 5	Ŋ 330 Z	SE D	319 37	Z L Z	1 8 3 7	4 July 2	33 3	4 3 4	SIII	4 3 3		NH	39	3 11 4 11 1	HIIHIN	V 729 R	0 3	NO NO			
DRILLING TIME KEPT FROM 3500' TO RTD				4 O B 8		400000000000000000000000000000000000000	400000000000000000000000000000000000000		411111111111111111111111111111111111111	400000000000000000000000000000000000000								Annunity .					a.		Animming		d		
GEOLOGICAL SUPERVISION FROM 3600 TO RTD ELECTRICAL SURVEYS	A						23	746	4										6180		58			# 39 286	1 0	.00	\$ 0 30		
MUD UP 3400' TYPE MUD Chemical				Shalf Shalf			y F	ou i													3-1			5 kg 1 50		. 8	3 7 27		
FORMATION TOP DATUM TOP DATUM COMP. CNL/CDL DTL			4	214				MSI MSI											2 8		25 S			t 08 25 35		Z ·	232		
Anhydrite 1378' +783 1378' +783 Base 1410' +751 1410' +751				Scalk Scalk			He He 36	36 12										8	33		00 5		A THE STATE OF THE	2 子 0 子	AHHHHH		2 123		
Chase 2248'-87 -z T18s RZIW	1		The location for the Marshall #2-27 was	1 1 8 2 8					An A	WwwWY	A A A A A A A A A A A A A A A A A A A	AM A AM	A-A	1 1			MA	1000	A	-M /M	WWW WY		WWW	. MwM		. A / W/			
11 agh mag 26 11' a 11150 26 11' 11153 12			found via 3.0 scismic survey. The new well ren structurally	dy a a a a a a a a a a a a a a a a a a a	" AA MA			DMIM	W LAN	ALMVAVA	11 MM	WV	MAN	TVVW	V LAND	WWV	MAM	AMMY	A MUT					MIN	ANNAN	MINAN			With the second
Lensing 3656'-1495 3660'-1499 +2 BKC 3977'-1816 3980'-1819 -1			as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of	C 00 0 0 0 0 0		A A A A A A	11/10/10/10	A TIME								V		AVIIII							ANNIN	WWW	0		
Pawnee 4056'-1895 4058'-1897 FL 27			oil from the Cherokee Sand. After all gathered data had	4 9988			$MU \mid V \mid MU$				WU			y y						ALV						MVI		441111111111111111111111111111111111111	4
Cherokee 4143'-1982 4145'-1984 +1 [Loc.			production casing to further evaluate the Marshell #2-27	4																									
Total Depth 4229'-2068 4229'-2068		1	well.	THE E	sq VVV												4									0	30		
	Marian I		A- 1011 51 W				9 9 9 6	2 9 2	0 0 0	0 9 9 3	2 0 0 0	0 2 2 9	0 0 0	0 0 0	0 2 2 5	0 0 0	0 0 0	000	0000	0 0 0	0 00 09	0 0 2	2 2 2	2 2 2	3 8 2 8	2 8 2	97		And the second of
Mershall #1 330'FSL: 1300'FWL Sec. 27 T183 RZIW			Respectfully Sulmitted,	ed/ HT930	2 3 8 7 3	y F Ø G Y	0	38	370	2 0 0	375	360	- 2 6	H 3885	1 8 2 2	6	3358		6 87	N (1)	408	4	410	学	3 17	42			
Mershall #1 330'FSL : 1300'FWL Sec. 27 T183 RZIW			Jason The	ПНОСОВТ		HHHHHHHHHH.	AHHL HINIHH	FININIFIE HA	ANN HELLEN		AHHHHHH	AHILI-HILL			1 - TOTOTOT 1			1,11,11	41,1,1,1,1-		1-	THIHHHH		THEFT IV			1		To the second se
		And the second s		1	VEHI HHHHHHHMA	THAHAHAHA	HHH HILLINHA	THE HELL	JUHHHHHII.	HHHH MUHH	ЧНИННИНН	THAHAHAM.	HILLAHHA	UNHHHHID	-0707071	I III HH	1 44 - 1 -	1 H H II II H I	OUNTHHHH	UI, II HHHH	HHIIIHHH	HHHHHHH	HHHHLI	HHHHH	WHEN THE LAND	Barrell Milland in	₩-₩-		



MILLER PRINTERS, INC. - Great Bond, KS

CEMENTING TOG

STAGE NO.

V '	Cementing &	Acidizing Services	No.			CEMENT DATA: Spacer Type: Yeshinator 2 7/4
				icket No. 4731	<u>e1</u>	Spacer Type: 4 edition of the
	vercas Wo	clied 8		ig Petroman	(V) ()	Amt. 566 Sks Yieldft³/sk Density 8.34 PPG
Lease Macs				Vell No. 2-27		
County Mas	5		s	tate <u>X 5</u>		
			<u>G G (72)</u> Fi	eld		LEAD: Pump Time hrs. Type
	unth Eus					Excess
CASING DATA			PTA 🔲 S	Squeeze 🔲 Mi		Amt Sks Yield ft 3/sk Density PPG
able	Surface					TAIL: Pump Time 11:ch. + 100 hrs. Type class #3%ec
Size <u>\$ 18</u>	Type <i></i> _	Wei	ght <u>73 l</u>	<u>'</u> Collar <u>≤</u>		7% C(1 Excess 100%
						Amt. 150 Sks Yield 1.34 ft ³ /sk Density 15.2 PPG
						WATER: Lead gals/sk Tail 6.51 gals/sk Total 23.75 Bbls.
Casing Depths: 1	Too X B		Bottom	73		Pump Trucks Used 366 Daylin C
Casing Deptils.	юр		_ BORROITI			Bulk Equip. 311 TELL WICE 6
					'	bulk Equip.
			·.	4 /	 •	
Drill Pipe: Size _	4/2	Weight		Collars VI.ole		
Open Hole: Size	17/4			P.B. to		Float Equip: Manufacturer
CAPACITY FACT	-	1.0	<u> </u>	r.b. to		Shoe: Type
Casing:	Bbls/Lin. ft	6627	lin fe /□	ы. 15.70		Float: Type
Open Holes:	Bbls/Lin. ft	. 1458	Lill. 16./0	161. 6.85		Centralizers: Quantity Plugs Top Btm
•	Bbls/Lin. ft	0147		ы. <u>76.37</u>		
Drill Pipe:	Bbls/Lin. ft			bl. 13.60		Stage Collars
Annulus:						Special Equip.
				bl		Disp. Fluid Type Trestewards Amt. 13.25 Bbls. Weight 8:34 PPG
Perforations:	From	ft. to		ft. Amt		Mud Type Matice Weight 9,1 PPG
COMPANY REPR	resentative					CEMENTER Bob St.
TIME	PRESSU	RES PSI	FLL	JID PUMPED [DATA	
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
						On Location - Piens
						Safeta nicotur
						00
	N.					Com Casino - Great e contation
						Occup conent onna
						Steel feech was in
			5.00	5.oahhl	·	Treshwater in Start count
				,		
	1	l	177075	123.24.061		Course to - 5 Las Chanas
			78 75	23.24.661		Coment in - 5top prings
			78.25	23,28.661		Consent in - 5 top groups
			77 73	23.25.661		
			77 73	23.24.661		Start Orgalace ment
				13.25661		
				JAW		Start organization
				JAW	1000	Start Organizate Comment and Comments
				JAW		Start organization
				JAW		Start Organizate Comment and Comments
				JAW		Start Organizate Comment and Comment
				JAW		Start Organizate Comment and Comments
				JAW		Start Organizate Comment and Comments
				JAW		Start Organizate Comment and Comments
				JAW		Start Organizate Comment and Comments
				JAW		Start Organizate Comment and Comments
				JAW		Start Orgalace ment Comment and Conculate
				JAW		Start Orgalace ment Comment and Conculate
				JAW		Start Orgalace ment Comment and Conculate

ENTING CO., LLC: 042361 ALLIE 201

na di wasana waki Panika			65				COCCAT L	Bend Jes
		r		pto state			1-14-12	
DATE 1-13-12	SEC.	TWP. 185	RANGE ZIUT			ON LOCATION	JOB START	JOB FINISH
			and the last of the	x Mail Filling	A Kongres of the Area		COUNTY	STATE
LEASE Marshall	WELL# 7	Z-Z7	LOCATION	Vazin	errs East	10 66 Rd	ness.] :es
OLD OR NEW (Ci	cle one)		700 (+8	Bouth :	Ento	(1) 1941 第 1 1487 147	the fall of the sec	รูเล่น ก็เลืองสมเราส <mark>ม</mark> เรา
	79 120 2		400000000000000000000000000000000000000	1397 1184	to the state of the state of the state of	Harrist Professional States (1980)		
	retronu	ark O	x #1	100 m	OWNER 4	hierican Wa	Willow An	Carrier St.
TYPE OF IOB S.	serce	<u></u>		dia fart	Vincential Committee	iósk erge ri stru		अभिन्तु भी अभिने भवन्य द
HOLE SIZE 12), <u>7</u> 27	76.4		RDERED 160		7 74-
<u>Casing Size 7</u> Pubing Size	<u>1/8 73</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PTH 223.	20 mm - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				ace - vo
DRILL PIPE 4	angle in the second second second second	The second second second	** ****** *** ** ** *** ***	and described The state of the	() 	o dia makanika di	age at the state of the state of the	and the state of
TOOL			Prince to the state of the	Actual Contract of	The state of the s	nations are a ci	AND A REAL PROPERTY OF THE PERSON OF THE PER	***************************************
PRES MAX			NIMUM			150 m		
MEAS LINE	eijāja ķel	SH	OE JOINT		POZMIX _	a, artikes a jiri	@	v <u>access, vide</u>
CEMENT LEFT IN	CSG. /	5 C+	is a finish me	c -dwii.		ale B escales rise think		
PERFS.			oblika sentra	BRA PO P		ing in the collection		
DISPLACEMENT	Torsky	satur	- Koyud /am	nering:	ASC	other case that had	12 (0 sat 14 5 3 15	
	EQU	IPMENT	Mary Karley and Salary Mary	40.2 5.25	(1) y = 1 y = 2 y = 1 y	of the first of the set t	@	Angelia January Maria
ntenamenti, di vi i trili ili. Verili decesso escenti	ggagar Dunggagaga		TO THE STATE OF TH	era a podra Se assessi s		and the supplier of the second	_ ~	es d'Alemán Alamana Gran
PUMPTRUCK	CEMENTE	ER Bob	Q			ennergen in den der Hindrich beiden bei der		
# 366			a de las residentes de la companya d					
BULKTRUCK			केर के अंदर्भ प्रेमेश्वर है।	35 [8], 288]		Marca Chila		
# 341	DRIVER	VAICE OF	Locuin	W				
BULK TRUCK	ing surav				a la		@	
建 氧化的多数形式的4个不	DRIVER		ekunten li	isa ilitar	HANDLING		@	
भारता मेच नेपचे हैं।				in Nobel An	MILEAGE _	 See the second of the second of	ridire fiste centr	ងសំនៅក្រុងប្រក្បី **
Orgolace a la	1 36egar C	c 7%	Seef or mel	$\mathcal{O}_{i_1, i_2, i_3}$	fridag Paus ach s ia Lang <mark>a d'an caisteac</mark>	SERV		i sid ros linakai
Min 150 se Ca Displace a 1 h	1) oceans (no. 3 16 s 13 75 1	eczho bbl Xm	Seel of the server	o I shut	DEPTH OF	SERV 19 10B 223	vice in ame ICE de la como de la	istra listo Bertole con
Mis 150 se Ca Orgolace a 1 h	1 200 ceak 10 3 16 5 13 75 1	eczho bbl Xm	Seef or mel	o I shut	DEPTH OF PUMP TRUE	SERV JOB 223 CK CHARGE		i ad vaz liuten Reg danen sas Isas dalen sas
Min 150 se Ca Displace with in Come of Ont	1 megk 13.751	eczho bbl Am	Seel of the server	o 1 shut	DEPTH OF PUMP TRUE EXTRA FOO	SERV JOB 223 CK CHARGE OTAGE	ICB	
Mis 150 se Ca Displace a 1th Coment Dat	1 meck 13. 751 0 xculo	czrenlas czro bb/ Tree	Sedie 1	0 1 5 hu +	DEPTH OF, PUMP TRUE EXTRA FOR MILEAGE	SERV 10B ZZ3 CK CHARGE DTAGE	ICB	i sdrom linke Joseph i se Lovernie i se Lovernie i service Lovernie i service
Min 150 se Ca Ospolace a Al Cament Det	12000000	czrenlas czro bb/ Tree	Salis in 18	0 1 5 hu +	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 CK CHARGE OTAGE	ICK @ @	
Min 150 se Ca Ospolace a 16 Come A Dat	12000000	czrenlas czro bb/ Tree	Section (1998) Tradition (1998) Tradition (1998) Tradition (1998) Tradition (1998)	Shart Sha Shart Shart Shart Shart Shart Sha Sha Sha Sha Sha Sha Sha Sha Sha Sha	DEPTH OF PUMP TRUE EXTRA FOR MILEAGE MANIFOLE	SERV 10B ZZ3 CK CHARGE DTAGE	ICE	i se de la licie d
Min 150 se Ca Osplace a 16 Came of Out	2000 com 366 c	eczlo bblikad	Salis in 18	Shart Sha Shart Shart Shart Shart Shart Sha Sha Sha Sha Sha Sha Sha Sha Sha Sha	DEPTH OF, PUMP TRUC EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE	(C.C.) (C.C.) (O.C.) (O	indess linke lengthere more lengthere more special more lengthere in grandere more special more
CHARGE TO	1 megk (13 25) Arculo	n Wal	Salina (1)	1 3 hut	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	SERV 10B ZZ3 CK CHARGE DTAGE	(C.C.) (C.C.) (O.C.) (O	Lad von linke lene feder von Lene for den Lene for den Lene for den Lene for den Lene for den Lene for den Lene for den
CHARGE TO	1 megk (13 25) Arculo	n Wal	Section (1998) Tradition (1998) Tradition (1998) Tradition (1998) Tradition (1998)	1 3 hut	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE	(C.B.)	ind conflicted learning to the conflicted Conflicted conflicted C
CHARGE TO	12000000000000000000000000000000000000	n Wal	Salina (1)	Shart Shart Called Called Means	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 CK CHARGE DTAGE	ICE @ @ @ TOTAI	
CHARGE TO	12000000000000000000000000000000000000	n Wal	Section (1)	Shart Shart Called Called Means	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE	ICE @ @ @ TOTAI	
CHARGE TO	12000000000000000000000000000000000000	n Wal	Section (1)	Shart Shart Called Called Means	DEPTH OF, PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE PLUG & FLOA	ICE	
CHARGE TO:	Merce ST	ecz 90 bb/ Acco	Section (1)	Shart Shart Called Called Means	DEPTH OF PUMP TRUE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA	ICE @ @ @ TOTAL	
CHARGE TO	Doceak 13.75	a ALLAN	Section (1)	Shart Shart Called Called Means	DEPTH OF, PUMP TRUE EXTRA FOX MILEAGE MANIFOLE	JOB 2-23 CK CHARGE DTAGE PLUG & FLOA	ICE @ TOTAL TEQUIPME	
Come of Jet Come of Come of Jet Come of Jet Come of Jet Come of Come o	Marica ST.	ATE	Technology of the second secon	Shart Sh	DEPTH OF PUMP TRUE EXTRA FOX MHEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE PLUG & FLOA	ICE	
Charge To Land Comment of the Commen	Ling Co. 1	ATE	inenting equi	J. J. H	DEPTH OF PUMP TRUCE EXTRA FOO MILEAGE MANIFOLE	JOB 2-23 EK CHARGE OTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: 4 STREET CITY To Affled Cemen You are hereby re and furnish ceme	ling Co., I squested to the and h	ATE_ CICC. o rent ce selper(s)	menting equi	pinent circor	DEPTH OF PUMP TRUCE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE OTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: A STREET CITY and furnish ceme contractor to do to	ling Co. I squested to hter and however as is	ATE	ZIP menting equi to assist own he above wo	jment er of	DEPTH OF PUMP TRUCE EXTRA FOO MILEAGE MANIFOLE	JOB 2-23 EK CHARGE OTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: STREET To Affled Cemen You are hereby in and furnish ceme contractor to do done to tatas facti	ing Co. I squested to nter and howork as is on and supplements.	ATE	zip. Zip. menting equiple assist owner above wo	prinent er or rk was ent or	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE	JOB 2-23 EK CHARGE OTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: CHARGE TO: STREET To Affed Cemen You are hereby re and furnish ceme contractor to do done to satisfacti contractor. I have	ling Co. To signested to a super and super sup	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMPTRUCE EXTRA FOO MILEAGE MANIFOLE	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: CITY To Affled Cemen You are hereby in and furnish ceme contractor to do done to satisfacti	ling Co. To signested to a super and super sup	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA	ICE @ @ TOTAI TEQUIPME	
CHARGE TO: CHARGE TO: STREET To Affed Cemen You are hereby re and furnish ceme contractor to do done to satisfacti contractor. I have	ling Co. To signested to a super and super sup	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA	ICE @ @ TOTAI TOTAI	
CHARGE TO: CHARGE TO: STREET To Affed Cemen You are hereby re and furnish ceme contractor to do done to satisfacti contractor. I have	ing Co. 1 king Co. 1 k	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA ((If Any) ARGES	ICE @ @ TOTAI TOTAI	
CHARGE TO A STREET CITY To are hereby to and furnish ceme contractor to do done to satisfaction to the contractor. I have the contractor to the contractor t	ing Co. 1 king Co. 1 k	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE SALES TAY TOTAL CH	JOB ZZ3 EK CHARGE DTAGE PLUG & FLOA ((If Any) ARGES	ICE @ TOTAL TOTAL TOTAL	
CHARGE TO: A STREET CITY To Affled Cemen You are hereby to and furnish ceme contractor to do adone to satisfaction to the contractor. I have the same and contractor to the contractor. I have the same and contractor.	ing Co. 1 king Co. 1 k	ATE_ crewles crewle	menting equipmenting equipment above wo	pinetter of the was left at le	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE SALES TAY TOTAL CH	JOB ZZ3 EK CHARGE OTAGE PLUG & FLOA ((If Any) ARGES	ICE @ TOTAL TOTAL TOTAL	
CHARGE TO A STREET CITY To Allied Cemen You are hereby to and furnish ceme contractor to do done to satisfaction to the contractor. I have the contractor to the contractor to the contractor to the contractor to the contractor. I have the contractor to the contractor to the contractor to the contractor. I have the contractor to the contractor. I have the contractor to the contractor. I have the contractor to the contractor to the contractor. I have the contractor to the contractor to the contractor. I have the contractor to the	ing Co. 1 king Co. 1 k	ATE_ crewles crewle	menting equipmenting equipment above wo	pinett er or rk was ent or IERAL rse side.	DEPTH OF PUMP TRUE EXTRA FOO MHEAGE MANIFOLE SALES TAX TOTAL CH. DISCOUNT	JOB 2-23 EK CHARGE DTAGE PLUG & FLOA ((If Any) ARGES	ICE @ @ TOTAL TOTAL TOTAL	



ADDRESS AMERICAN WARRIOR

TICKET

Nº 21549

	To Co	CITY, STATE, ZIP CODE)E			PAGE 1	_ _Ⴜ
	∐ ⊾	I) FACE	COUNTYPARKE	ISTATE ICITY		DATE JOWNER	
TOSS CTTY 16	WEEL TROUBECT NO.	האה ה	MARSHAL 2-27 NESS		F KS.	JAN 12	
	TICKET TYPE CONTRACTOR)) ask	RIG NA	SHIPPED DELIVERED TO VIA	•	ORDER NO.	٠
	<u> </u>	WELL CATI	WELL CATEGORY JOB PURPOSE	WELL PERMIT NO.	T NO.	WELL LOCATION	
	OIL	Rue	DEVELOPMENT S 2 LONGSTRIM	6		SC 145 E/N	INIO
EFERRAL LOCATION	INVOICE INSTRUCTIONS						in the second
PRICE SECO	SECONDARY REFERENCE/ ACC	ACCOUNTING ACCT DF	DESCRIPTION	QTY	MN QTY. UM	PRICE	AMOUNT
375			MILEAGE \$ 110	25	m/L	60	15000
578			Pump CHARGE		18 800 80	1500	1500g
402			CENTRALIZERS	ν Ν	FA -	J/)[2	3502
403			CEMENT BASKETS	27	3	2500	£ (25.5)
404			<u> </u>		EA 1354 E	24/2)8	5-(SIAC)
4126			LATCH DOWN PLUG & BAFFLE		169	2808	250
407			TUSERT FLORT SHOE W/AUTOF	FILL	1/2/	3500	1
281			DIUD FEUSH	522	34	· · · · · · · · · · · · · · · · · · ·	(0.85 TV
126			KIONIO KCL	Q,	1.	N TO	808
419			ROTATING, HEAD RENTAL		(R)	30) DE	200
					┝.		
LEGAL TERMS: Custome the terms and conditions on	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include.	grees to include.	REMIT PAYMENT TO:	SURVEY OUR EQUIPMENT PERFORMED	AGREE DECIDED	AGREE PAGE TOTAL	1541 154
but are not limited to, PAYMENT,	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	TY, and		WE UNDERSTOOD AND MET YOUR NEEDS?			10011 50
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO	CUSTOMER'S AGENT PRIOR TO		P.O. BOX 466	WE OPERATED THE EQUIPMENT AND PERFORMED JOB	NT 7	TAX	
ATE SIGNED	TIME SIGNED	□ ≩	7560	RE YOU SATISFIED WITH OUR SERVICE?	R SERVICE?		
20Jan/2	2DSD	XI P.M	785-798-2300	CUSTOMER DID	CUSTOMER DID NOT WISH TO RESPOND	TOTAL	

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

TAVONAGY

Thank You!



TICKET CONTINUATION

6H-518

	883	185	325											e.		290	292	284	1288 88	276			
							;*												. 12			ina	
																						Ness City, KS 67560 Off: 785-798-2300	PO Box 466
		SER														<i>H</i>			0 1				
	TOTAL WEIGHT &	VICE CHARGE	STANDARD CENTENT											,	•		HALAD 322	ALSEAL	SALT	FLOCELE		IVIA MESIBASULANO	
	LOADED MILES		·													•						WIARRIDE	
	TON MILES 228,97	CUBIC FEET) 755x	175 sx						 			 			-,	(V)	124 /bs	\$ISX	900/16	44 11/18		LIBC-C TUHSYULU	
	7 2	Sx										-											No.
	8 0	Ι.	60	-							 	 				35 198	72 9	35128	(A)	2) 12		DATE CLANTOC MICE	· 21547
4541 5	251)4		13/20/18/		*	<u> </u>	-	<u> </u> -		 		_		-		1012	01-02	80 B			100000000000000000000000000000000000000	ଷ୍ଟ୍ର ଅ	

	.	_	_
JO	ВL	.U	G

SWIFT Services,	inc.	T	DATE 20 JAN 12 PAGE NO.

STOMER MERI	CAN WA	RRIDR	WELL NO.		LEASE MARSH	AL 2:	27 JOB TYPE 12 LONGSTRING TICKET NO. 21549
HART NO.	TME	RATE (BPM)	VOLUME (RBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1500						ON LOCATION
	1455					<u> </u>	START PIPE Sá-15.5#
							RTDE 4229 LTDE 4229
							SHOE JT. 42.11 SET @ 4228
							CENTRALIZERS 1,2,3,4 68
						·	BASKETS & 5 69 PORT COWAR TOP OF # 69@ 1354
							PORT COWAR TOP OF #69@ 1354
					<u> </u>	<u> </u>	
	1911						DROP BALL CIRCULATE.
						<u> </u>	
	1937	<u> 19 </u>	12			300	Pump SOU SAC MUD FLUSH
	1939	<u> 10</u>	20			300	Pump 20Bh KCL FLUSH
	1942		7	ļ			PLUGRH (30si)
							11/
	1944	4	35		<u> </u>		MIX 1455× EA2
							1. 105.
1	1957						WASHOUT PUMPING LINES
. `							De sas Breeden Contraction
	1959	6			4		TELEASE PLUG START DISPLACEMENT
		:	1.535		<u> </u>	1,000	Dur Dur James James Dur Tu
	2016		100		4	1/500	PLUG DOWN PSIUP LATCH PLUG IN
					<u> </u>		Deserve Para Do
	55.2						RELEASE PSI - DRY
	3018						
·							1. Jacob Tonak
	2020		-	++			WASH TRUCK
				+-+		-	
	20.00						JOB COMPLETE
	2050			+ +			JOB COMPLETE
							THANKS # 110
	 			+ $+$			I I I I I I I I I I I I I I I I I I I
	 			-			JASON JEFF DOUG
	 			+		+	JON FIF LOWF
		ļ		+			



CHARGE TO:	Dans I
ADDRESS	LI MARY CONV. M. NOT L. CO.
CITY, STATE, ZIP CODE	PCODE

TICKET

Nº 21557

		* (1)						2)														
	DATE SIGNED	START OF WORK OR DEL	LIMITED WARRANTY provisions	the terms and conc	LEGAL TERMS:			582	581	104	290	276	330	5760	515	PRICE	REFERRAL LOCATION				SERVICE OCATIONS 1	2016
	TIME SIGNED	START OF WORK OR DELIVERY OF GOODS X Scatt	LIMITED WARRANTY provisions.	the terms and conditions on the reverse side hereof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to											SECONDARY REFERENCES PART NUMBER	INVOICE INSTRUCTIONS	0,	WELL TYPE	TICKET TYPE	WELL/PROJECT NO	ces, 1
1330		T TROOK O	SC, INDEMNIT, all	hereof which include	ledges and agrees t									-		LOC ACCT				CONTRACTOR	27	
	785-	P.O.		:			V 0	Mohay	Seria charge	Poet 12	D-A18	Flocale	SIMIC	PomoCho	MILEAGE	G DF		inst	WELL CATEGORY JOB PI		Marshall	
100 1000	785-798-2300	P.O. BOX 466 NESS CITY KS 67560	SWIFT SERVICES, INC.	KEMII TAYMENI IC:			٠	(mia)	9	SPENING			Comeut	KUTE	PK 114	DESCRIPTION		coment port collar	JOB PURPOSE	RIG NAME/NO.	COUNTY/PARISH	
CUSTON		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOUR SATISFIED WITH OUR 1	MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	SURVEY					TOOK BANDE									1.2n	ğ	STATE CITY	
CUSTOMER DID NOT WISH TO RESPOND	O YES ONO	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORIL Y? ARE YOU SATISFIED WITH DUB SERVICE?	NT DELAY?	RFORMED WN?	AGREE DECIDED			109	175/56	1/24	of Gal	501/6	120 sk	104	25 a:	מדץ. טאא מדץ. ט			WELL PERMIT NO	DELIVERED TO	BAZINE	
-	TOTAL	7 = 5 = 0		PAGE IOIAL	OIS- AGREE			200	4	250 8	35-00	8	16 150	1250 00	600	UMIT UM PRICE		27-14-216	WEIL LOCATION	ORDER NO.	DATE OA 2]
1001 20	1001101	151 20		Tools	xolocius			00 052	3 70 00	8000	70 00			1250 00	15000	AMOUNT		200			OWNER	_

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

Thank You!

SWIFT Services, Inc. **JOB LOG** CUSTOMER AMERICA Ubrior coment port rollar 2-27 Marshall WELL NO. VOLUME (BBL) (GAL) DESCRIPTION OF OPERATION AND MATERIALS 1200 1220 test to Mogsi - held 1250 Run 4 joints Reverse hole clean 1305 - 2 count flags. 1320 Lypsh level it complete 1345