

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1329787
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
-----------------------------------	-----------------	---

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: _____

1329787

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

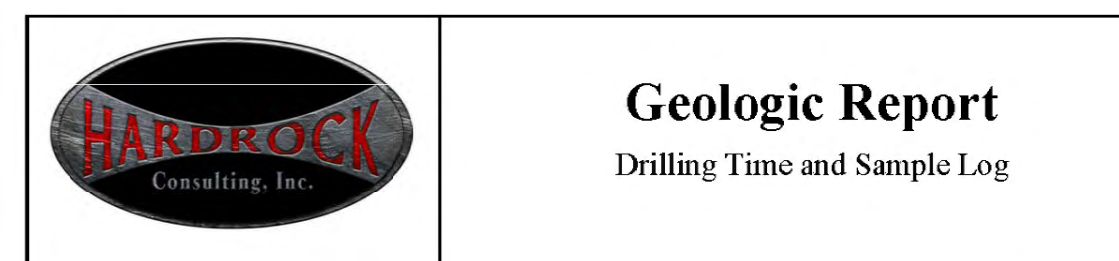
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	HINNERGARDT 12 UNIT
Doc ID	1329787

Tops

Name	Top	Datum
Anhydrite	1436	802
Heebner	3746	-1508
Lansing	3794	-1556
Base Kansas City	4100	-1862
Pawnee	4256	-2018
Ft. Scott	4280	-2042
Cherokee	4301	-2063
Mississippian	4357	-2119
TD	4371	-2133



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		Elevation KB 2238'	
Lease Hinnergardt No. 12 Unit		DF 2230'	
API # 15-135-25929		Casing Record Surface 8 5/8" @ 220'	
Field Ben		Production 5 1/2" @ 4371'	
Location 1535' FNL & 2615' FWL		Electrical Surveys CNL/CDL, DIL	
Sec. 12	Twp. 20s	Rge. 21w	
County Ness		State Kansas	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	1436' +802	1438' +800	+3
Base	1464' +774	1466' +772	+3
Heebner	3746' -1508	3749' -1511	+7
Lansing	3794' -1556	3800' -1562	+10
BKC	4100' -1862	4102' -1864	
Pawnee	4256' -2018	4260' -2022	+6
Fort Scott	4280' -2042	4283' -2045	+10
Cherokee	4301' -2063	4303' -2065	+5
Mississippian	4357' -2119	4359' -2121	+7
Total Depth	4371' -2133	4372' -2134	

Reference Well For Structural Comparison American Warrior, Inc. Hinnergardt #3-12
1008' FNL & 2213' FWL Sec. 12 T20s R21w Ness Co. Kansas

Drilling Contractor	Discovery Drilling Co. Inc.	Rig #3
Commenced	10-18-2016	Completed 10-25-2016
Samples Saved From	4000'	To RTD
Drilling Time Kept From	3700'	To RTD
Samples Examined From	4000'	To RTD
Geological Supervision From	4000'	To RTD

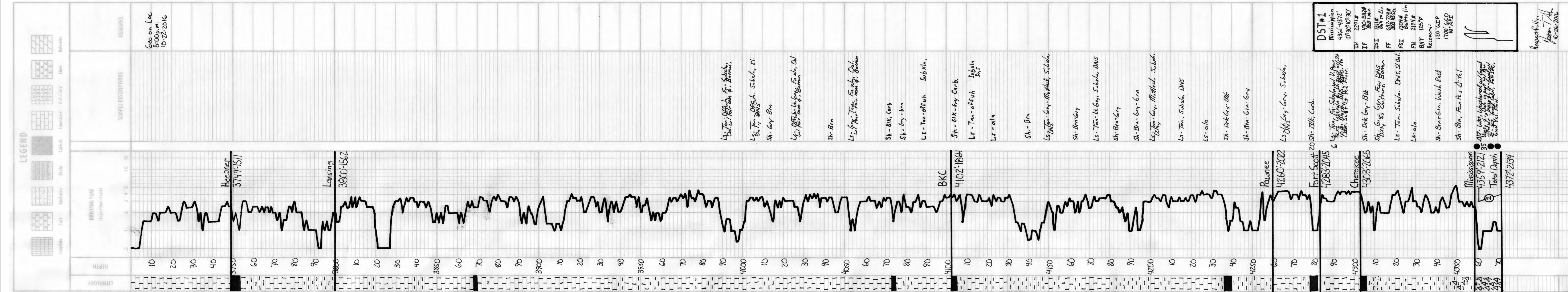
Displacement 3600' Mud Type Chemical

Summary and Recommendations

The location for the Hinnergardt #12 Unit 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 evaluated the decision was made to run 5 1/2 inch production casing to further evaluate the Hinnergardt #12 Unit well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DST #1
Mississippian
4361-4372
10°-30' 10°-30'

IN 2291#
IF 490-532#
IS 181# 2in
FF 636 4852
FSI 1307# 8 1/2 in
FH 2194#
BHT 125 F
Recovery: 120 GSP
1700' GSP
83' GSP

Respectfully,
Jason T Alm
10-26-2016

Geological Report

American Warrior, Inc.
Hinnergardt #12 Unit
1535' FNL & 2615' FWL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Hinnergardt #12 Unit
1535' FNL & 2615' FWL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25929-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: October 18, 2016

Completion Date: October 25, 2016

Elevation: 2230' Ground Level
2238' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi South to 50 Rd. East 1 ½ mi, South into location.

Casing: 220' 8 5/8" surface casing
4371' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Leal Cason"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Hinnergardt #12 Unit Sec. 12 T20s R21w 1535' FNL & 2615' FWL
Formation	
Anhydrite	1436' +802
Base	1464' +774
Heebner	3746' -1508
Lansing	3794' -1556
BKc	4100' -1862
Pawnee	4256' -2018
Fort Scott	4280' -2042
Cherokee	4301' -2063
Mississippian	4357' -2119
LTD	4371' -2133
RTD	4372' -2134

Sample Zone Descriptions

Mississippian Osage (4357', -2119): **Covered in DST #1**

Δ – White, weathered with good vuggy porosity, dolo in part with poor inter-crystalline and vuggy porosity, light to good oil stain and saturation, good odor, fair show of free oil, good yellow fluorescents, 35 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
“Leal Cason”

DST #1 Mississippian Osage

Interval (4359' – 4372') Anchor Length 13'
 IHP – 2291 #
 IFP – 10” – B.O.B. 1 min. 490-532 #
 ISI – 30” – Built to 2 in. 1311 #
 FFP – 10” – B.O.B. 45 sec. 692-724 #
 FSI – 30” – Built to 1 in. 1309 #
 FHP – 2194 #
 BHT – 125°F

Recovery: 120' GIP
 1700' GCO 33° API

Structural Comparison

	American Warrior, Inc. Hinnergardt #12 Unit Sec. 12 T20s R21w 1535' FNL & 2615' FWL	American Warrior, Inc. Hinnergardt #3-12 Sec. 12 T20s R21w 1008' FNL & 2213' FWL		American Warrior, Inc. Hinnergardt Ben #4 Sec. 12 T20s R21w 2310' FNL & 1700' FEL	
Formation					
Anhydrite	1436' +802	1449' +799	(+3)	1438' +802	FL
Base	1464' +774	1477' +771	(+3)	1465' +775	(-1)
Heebner	3746' -1508	3763' -1515	(+7)	3751' -1511	(+3)
Lansing	3794' -1556	3814' -1566	(+10)	3799' -1559	(+3)
BKC	4100' -1862	NA	NA	NA	NA
Pawnee	4256' -2018	4272' -2024	(+6)	4260' -2020	(+2)
Fort Scott	4280' -2042	4300' -2052	(+10)	4285' -2045	(+3)
Cherokee	4301' -2063	4316' -2068	(+5)	4303' -2063	FL
Mississippian	4357' -2119	4374' -2126	(+7)	4360' -2120	(+1)

Summary

The location for the Hinnergardt #12 Unit 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 inch production casing to further evaluate the Hinnergardt #12 Unit well.

Recommended Perforations

Primary:

Mississippian Osage

(4357' – 4367')

DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, KS 67856
ATTN: Jason Alm

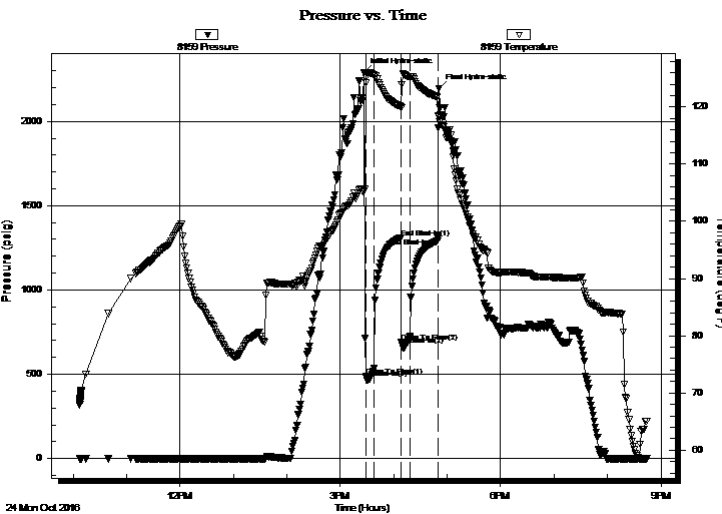
12-20S-21W Ness
Hinnergardt 12 Unit
Job Ticket: 57959 **DST#: 1**
Test Start: 2016.10.24 @ 10:07:15

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:28:45
Time Test Ended: 20:44:00
Interval: **4361.00 ft (KB) To 4372.00 ft (KB) (TVD)**
Total Depth: 4372.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 22398.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 20168.00 ft

Serial #: 8159 Inside
Press@RunDepth: 723.79 psig @ 4362.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.10.24 End Date: 2016.10.24 Last Calib.: 2016.10.24
Start Time: 10:07:16 End Time: 20:44:00 Time On Btm: 2016.10.24 @ 15:26:30
Time Off Btm: 2016.10.24 @ 16:50:45

TEST COMMENT: IF: Strong Blow , BOB in 1 minute
IS: Blow Back Built to 2 inches
FF: Strong Blow , BOB in 45 seconds
FS: 1 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.56	105.27	Initial Hydro-static
3	490.00	124.19	Open To Flow (1)
12	532.45	125.64	Shut-In(1)
42	1310.67	120.03	End Shut-In(1)
42	691.73	119.84	Open To Flow (2)
52	723.79	125.22	Shut-In(2)
83	1308.77	121.70	End Shut-In(2)
85	2194.29	118.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1700.00	Oil	23.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67856
ATTN: Jason Alm

12-20S-21W Ness
Hinnergardt 12 Unit
Job Ticket: 57959 **DST#: 1**
Test Start: 2016.10.24 @ 10:07:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1700.00	Oil	23.564

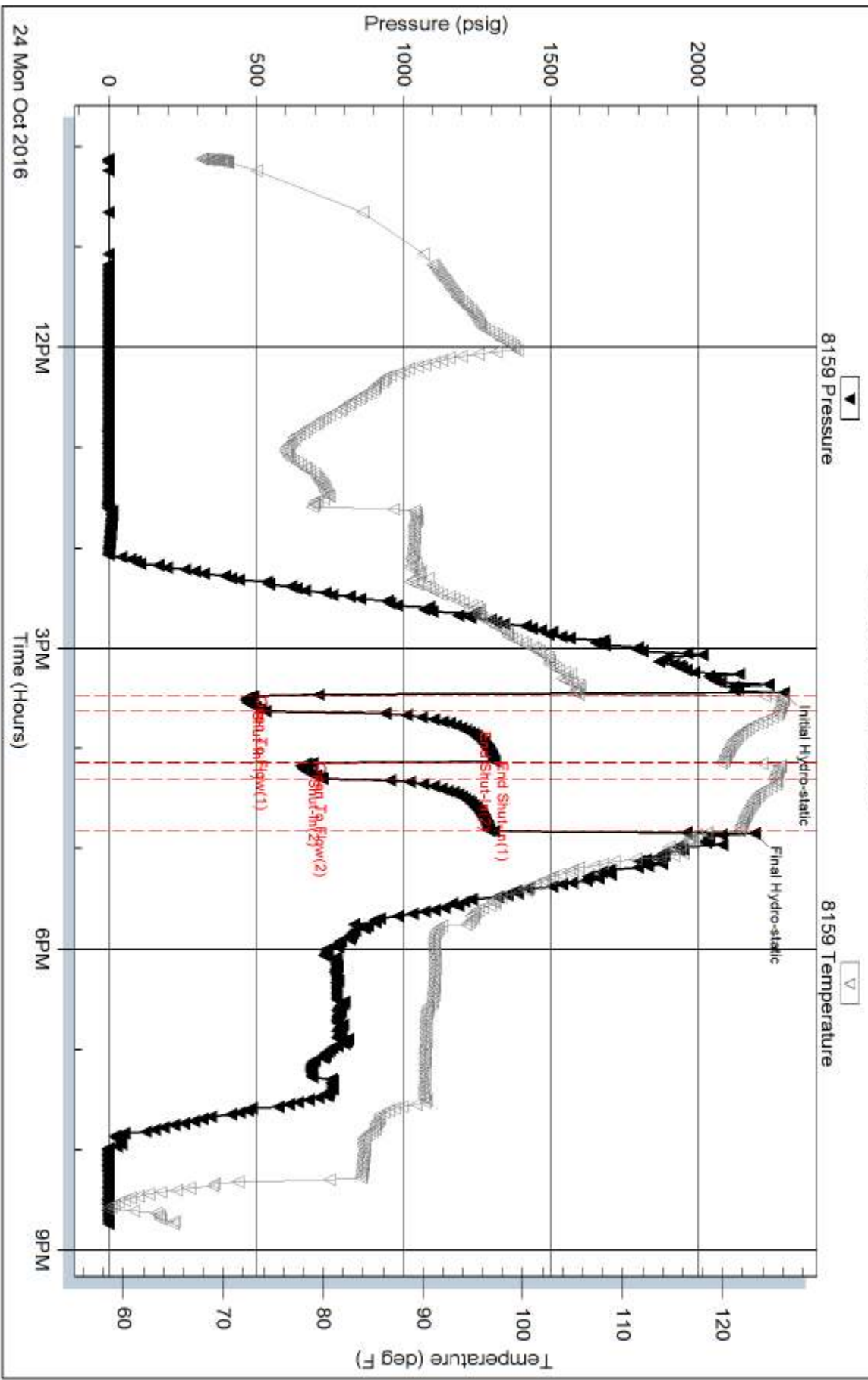
Total Length: 1700.00 ft Total Volume: 23.564 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity w as 34.8 @ 78 degrees

Pressure vs. Time

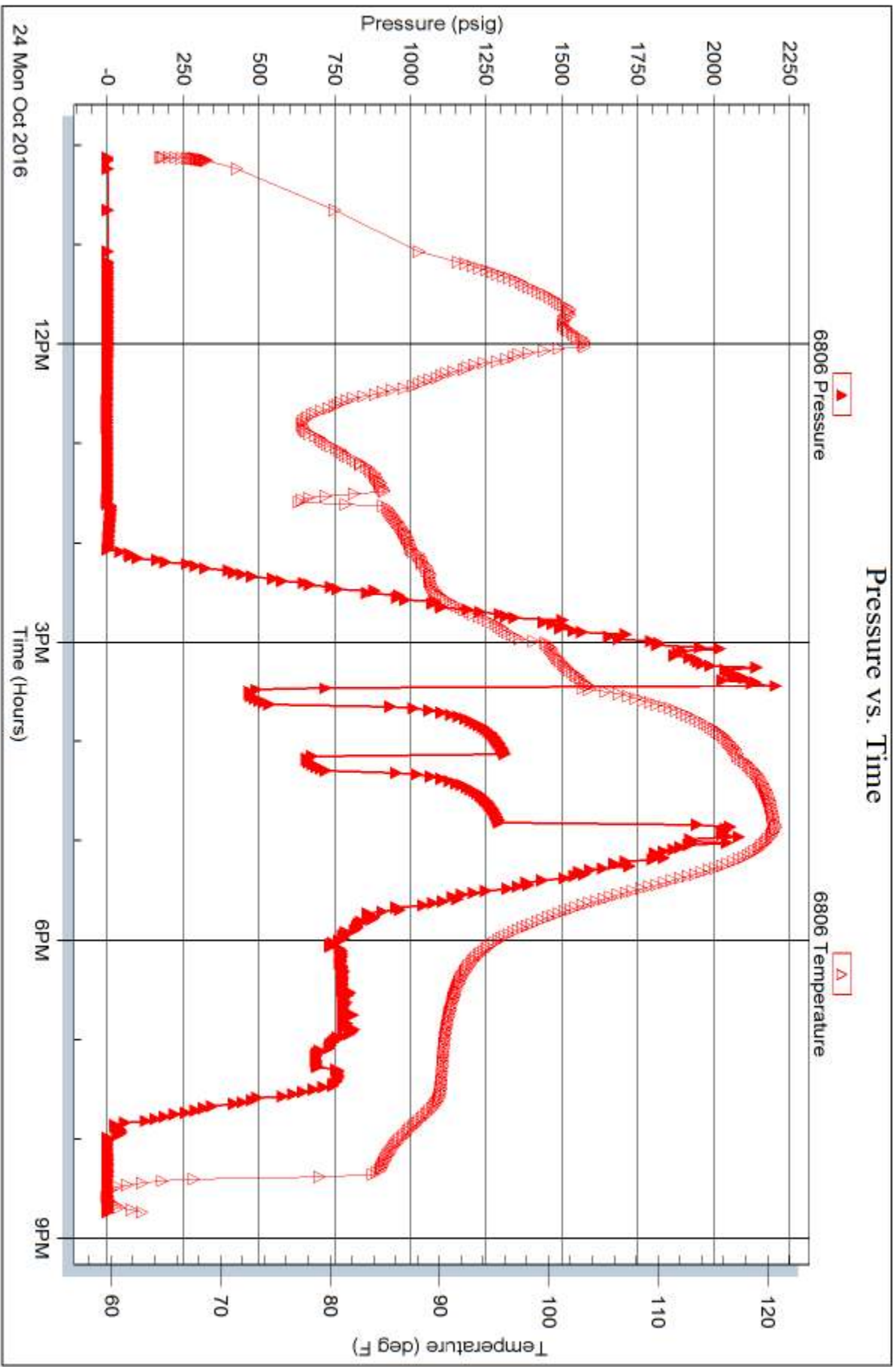


Serial #: 6806

Outside American Warrior Inc

Hinnergardt 12 Unit

DST Test Number: 1





Services, Inc.

CHARGE TO: American Lubricator

TICKET 296000

ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City 145</u>	# <u>12</u>	<u>Hinnergradt Unit</u>	<u>Adress</u>	<u>KS</u>	<u>Barzine</u>	<u>10-18-16</u>	<u>Same</u>
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.	
3.	<input checked="" type="checkbox"/> SERVICE	<u>Discovery Drilling</u>	# <u>3</u>	<u>WT</u>	<u>Local team</u>		
4.	<input type="checkbox"/> SALES	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	
		<u>Oil</u>	<u>Development</u>	<u>Cement 8 5/8" Surface Pipe</u>		<u>Barzine - 85, 14 E, 5/16 inb</u>	
REFERRAL LOCATION INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			30	mi.	5.00	150.00
576 S					Pump Charge - Shallow Surface	8 7/8	in	1	job	800.00	800.00
325					Standard Cement			150	skts	12.25	1837.50
279					Bentonite Gel	2	96	3	skts	25.00	75.00
278					Calcium Chloride	3	96	7	skts	40.00	280.00
290					D-Air			2	gal	42.00	84.00
581					Service Charge Cement			150	skts	1.50	225.00
582					Minimum Drayage Charge			1	ea	250.00	250.00

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 10-18-16 TIME SIGNED 2:00 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

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	3701	50
TAX		
TOTAL		

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-18-16 PAGE NO. 1

CUSTOMER Apex WELL NO. H12 LEASE Hiram JOB TYPE Cement 8 5/8" Surface TICKET NO. 29668

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
2030	0830							on location 8 5/8" 23"
								RTD- 221' TP- 221' 150 lbs STD 2% Gel 3% CC
	2050							Start 8 5/8" 23" Casing in well
	2115							Break Circulation
	2130	4	5		✓	100		Pump 560 water spacer
	2132	4	38		✓	200		mix 150 lbs STD 2% Gel 3% CC @ 147 ft
	2140	4	13		✓	300		Start Displacement
	2145	∅	13		✓	300		Kick out Pump Shut in *Hohl*
								wash up truck
	2215							Job Complete

Thank You
Dave Jason Tress



CHARGE TO: American Percut
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 29759

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Madison KS WELLS/PROJECT NO. 12 LEASE Hammersmith unit COUNTY/PARISH Neos STATE KS CITY Bazine DATE _____ OWNER _____
 2. _____ TICKET TYPE SERVICE SALES CONTRACTOR _____ RIG NAME/NO. _____ ORDER NO. _____
 3. _____ WELLS TYPE _____ WELLS CATEGORY DISCOVERY JOB PURPOSE Drill platform cement long string WELLS PERMIT NO. _____
 4. _____ REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____ WELLS LOCATION 12-20-21

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TER 114	20	m				5.00	100.00
578					Pump Charge	1	ea				1250.00	1250.00
402					Contractor	5	in				60.00	300.00
403					Contract Basket	2	ea				250.00	500.00
404					PORT COLLAR	5	in				1.00	2500.00
406					Lotus Green Plus i buffer	5	in				1.00	225.00
407					Insert Flap sleeve of AUTO EIL	5	in				1.00	300.00

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 _____ TIME SIGNED _____ P.M. P.M.

SWIFT OPERATOR _____ APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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?
 YOU OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?
 WERE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5775.00
 TAX 493.75
 TOTAL 10112.75

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 29757

CUSTOMER: W. Africa West DATE: 25 NT 16 PAGE 21 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	W/TH		DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DR			QTY	U/M			
325		1				STANDARD CONCRETE (for 54.2)	175	SK		13.35	2143.75
384		1				Calsool	200	lb		30.00	240.00
283		1				SALT	910	lb		0.20	180.00
292		1				hald-322	125	lb		8.00	1000.00
276		1				floc lo	50	lb		2.85	112.50
290		1				D-AIR	2	gal		42.00	84.00
281		1				MUFFLASH	500	gal		1.35	625.00
281		1				KCL David	2	gal		25.00	50.00
582		1				DRYING (D.O.)	1	hr		250.00	250.00
581		1				SERVICE CHARGE				1.50	262.50
						MILEAGE CHARGE	TOTAL MILES	1825			
						LOADED MILES					
						CUBIC FEET					
						TON MILES					

CONTINUATION TOTAL

4937.75

JOB LOG

SWIFT Services, Inc.

DATE 25 Oct 16 PAGE NO. 1

CUSTOMER American Nations WELL NO. 12 unit LEASE Hinnergardb JOB TYPE Cement / long string TICKET NO. 29759

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SA-2 cement w/ 1/4" floccle 5 1/2" x 15.5# casing 111 jts TD = 4372' Total pipe 4371' sleeve 1 + 39.78' Controler 1, 2, 3, 4, 74 Basket 5, 75 Foot collar "75" 1410'
	0730							on loc TRK 114
	0745							start 5 1/2" x 15.5# casing in well
	0919							Drop ball - circulate - rotate
	1009	4	12			700		Pump 500 gal mud flush
		4	20			200		Pump 20 gal KCl flush
	1021		7					Plug BH - MH 30sk - 20sk
	1024	4	36			200		Mix SA-2 cement 125 sk @ 15.3 PPG
								Drop latch drum plug wash out pump & lines
	1042	6				200		Displace plug
		5				700		
	1100	5	104			1500		Land plug
								Release pressure to truck - dried up
	1105							wash truck
								rack up
	1140							job complete

Thanks
Blair Fild & Joan

JOB LOG

SWIFT Services, Inc.

DATE 10-3-16 PAGE NO.

CUSTOMER American Warrior Inc

WELL NO. 12

LEASE Hinnsport Unit

JOB TYPE Cement 5 1/2" Post Cedar

TICKET NO. 29877

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							on location
								P.C. - 1410 2 7/8" 5 1/2"
	1440	∅	∅		✓		1000	Pressure Test * Hold *
								Open P.C.
		3 1/2	4		✓		300	Injection Rate
	1450	4 1/2	69		✓		400	mix 125 sks SMD w/ 1/4" Flb @ 112 gpg circulate cement to surface * 20 sks *
		4 1/2	5		✓		500	Displace Cement
	1505	∅	∅		✓		1000	Close P.C. test * Hold *
								Run 4 jts * 125 sks total * * 20 sks pt *
	1515	4	20		✓		300	Reverse Churn
								wash up truck
	1545							Job complete

Thank You
Dave Jason Preston