

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	W-D 27 UNIT 1
Doc ID	1378563

Tops

Name	Top	Datum
Anhydrite	1385	793
Heebner	3670	-1492
BKC	4038	-1860
Pawnee	4163	-1985
Ft. Scott	4238	-2060
Cherokee	4261	-2083
Mississippian	4342	-2164
RTD	4355	-2177

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	211	Common	165	3% CC, 2% gel

Geological Report

W-D 27 Unit #1
2560' FNL & 2200' FEL
Sec. 27 T20s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. W-D 27 Unit #1 2560' FNL & 2200' FEL Sec. 27 T20s R22w Ness County, Kansas API # 15-135-25983-0000
Drilling Contractor:	Discovery Drilling Rig #4
Geologist:	Jason T Alm
Spud Date:	December 9, 2017
Completion Date:	December 16, 2017
Elevation:	2170' Ground Level 2178' Kelly Bushing
Directions:	Bazine KS, South 11 mi. to 20 rd. West 2 mi. to BB rd. South ½ mi. West into location.
Casing:	211' 8 5/8" surface casing
Samples:	10' wet and dry, 4000' to RTD
Drilling Time:	3600' to RTD
Electric Logs:	None
Drillstem Tests:	None
Problems:	None
Remarks:	None

Formation Tops

	American Warrior, Inc. W-D 27 Unit #1 Sec. 27 T20s R22w 2560' FNL & 2200' FEL
Formation	
Anhydrite	1388' +793
Base	1420' +758
Heebner	3670' -1492
Lansing	3722' -1544
BKC	4038' -1860
Pawnee	4163' -1985
Fort Scott	4238' -2060
Cherokee	4261' -2083
Mississippian	4342' -2164
RTD	4355' -2177

Sample Zone Descriptions

No sample shows were encountered in well.

Structural Comparison

	American Warrior, Inc. W-D 27 Unit #1 Sec. 27 T20s R22w 2560' FNL & 2200' FEL		Woolsey Petro Co Vincent Narey A #1 Sec. 27 T20s R22w 1980' FNL & 1980' FEL		Mack Oil Co. Reader #1 Sec. 27 T20s R22w SE NW	
Formation						
Anhydrite	1388' +793		1395' +796	(-3)	NA	NA
Base	1420' +758		NA	NA	NA	NA
Heebner	3670' -1492		3681' -1490	(-2)	3668' -1488	(-4)
Lansing	3722' -1544		3733' -1542	(-2)	3720' -1540	(-4)
BKC	4038' -1860		NA	NA	4044' -1864	(-4)
Pawnee	4163' -1985		4170' -1979	(-6)	NA	NA
Fort Scott	4238' -2060		4250' -2059	(-1)	4240' -2060	FL
Cherokee	4261' -2083		4274' -2083	FL	4262' -2082	(-1)
Mississippian	4342' -2164		4337' -2146	(-18)	4326' -2146	(-18)

Summary

The location for the W-D 27 Unit #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey on all datums except the Mississippian. No Drill Stem Tests were conducted due to lack of oil shows throughout the well. After all gathered data had been examined the decision was made to plug and abandon the W-D 27 Unit #1 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



CHARGE TO:	
ADDRESS:	

CITY, STATE, ZIP CODE

LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
10/1/17	LA	LA	LA	10/1/17	

SUPPLIER	FIG NAME NO.	SHIPPED	DELIVERED TO	ORDER NO.

WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION
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ACCOUNT	DESCRIPTION	QTY.		PRICE	AMOUNT
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Confidential	3/90	1/52	4/100
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Service Charge	1.50	1
	1.50	1

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REMI PAYMEN TO:	DATE	AMOUNT	CHECK NO.	BANK NAME
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				
YES _____ NO _____				

SWIFT SERVICES, INC.	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	

T.O. BOX 700
 NIESS CITY KS 67560
 AND PERFORMED JOB
 CALCULATIONS
 SATISFACTORILY
 RUC
 /AX

785-798-2300	
☐ YES ☐ NO	
☐ CUSTOMER DID NOT WISH TO RESPOND	
TOTAL	

APPROVAL _____

MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this order.

Than

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
11/11/11	DEPOSIT	100.00			
11/12/11	PAYROLL	50.00			
11/13/11	RENT	25.00			
11/14/11	UTILITIES	15.00			
11/15/11	FOOD	10.00			
11/16/11	TRANSPORT	20.00			
11/17/11	ENTERTAINMENT	15.00			
11/18/11	TRAVEL	30.00			
11/19/11	SALES	40.00			
11/20/11	RECEIPTS	25.00			
11/21/11	EXPENSES	10.00			
11/22/11	INCOME	60.00			
11/23/11	SALES TAX	5.00			
11/24/11	PROPERTY TAX	15.00			
11/25/11	INSURANCE	10.00			
11/26/11	REPAIRS	20.00			
11/27/11	MAINTENANCE	15.00			
11/28/11	DEPRECIATION	10.00			
11/29/11	INTEREST	5.00			
11/30/11	TOTAL	500.00			

Disco

Thank You!

SWIFT Services, Inc.

DATE _____

PAGE NO.

9 Dec 17

31046

CUSTOMER

WELL NO.

LEASE

JOB TYPE

TICKET NO.

CHART
NO.

TIME

RATE
(BPM)VOLUME
(BBL) (GAL)

PUMPS	
T	C

PRESSURE (PSI)	
TUBING	CASING

DESCRIPTION OF OPERATION AND MATERIALS

165 lb STANDARD Cement 2 1/2 gal 3/4 cc
8 1/2 x 23" casing 3 joints
70 =

1800

on loc TRE 114

1900

start 8 1/2" casing in well

1935

circulate well

145

4

42

200

MIX STD 24/30 165 € 147,00

2005

4

Displace w/ H_2O

Cement to surface.

2015

32

12

210

Kickout - shot in 881 ft

2018

Wash up & back

2045

Pick up

20

Job complete

4 marks

Boine Flat 1940



Services, Inc.

TICKET 30662

CHARGE TO: American Electric
ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. HAWKS KS	Unit # 1	W D 27	Ness			12-16-17	
2. NESS CITY KS	TICKET TYPE ☐ SERVICE ☒ SALES	CONTRACTOR Discovery Well, Inc.	RIG NAME/NO. K-2 # 41	SHIPPED VIA	DELIVERED TO Location	ORDER NO.	
3.	WELL TYPE Oil	WELL CATEGORY wildcat	JOB PURPOSE PTA		WELL PERMIT NO.	WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575					MILEAGE Trk #111	25	Mi		5.00	125.00
576P					Remo Charge PTA	1	EA		800.00	800.00
290					N.A.C.	3	600		42.00	126.00
410					Trucking 825/s	1	EA		120.00	120.00
378-4					60/40 Potassium 40% gel	250	500		10.25	2562.50
276					Fluorele	60	lbs		2.25	135.00
581					Service Charge Cement	250	500		1.50	375.00
582					Minimum Service 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 TIME SIGNED ☐ A.M. ☐ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4457	50
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		TAX		

☐ CUSTOMER DID NOT WISH TO RESPOND

TOTAL

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

SWIFT OPERATOR APPROVAL

Thank You!

12.16.17

TICKET NO.

30882

CUSTOMER

WELL NO.

LEASE

JOB TYPE	
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CUSTOMER
American Warrior

Unit #1

141-B-27

~~DATA~~

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	220							On location
								1st plug - 1420'
								50 sks cement
	1430	5	13			200		pump cement
	1435	5	5			200		Disp
								2nd plug - 610
								80 sks cement
	1530	5	21			100		pump cement
	1535	5	3			100		Disp
								3rd plug - 240'
								50 sks cement
	1550	5	13			50		pump cement
	1555	0	1			0		Disp
	1630							4th plug - 60'
			5					20 sks cement
	1630	3	5			0		pump cement
	1650	3	8			0		plug rat hole - 30 sks
	1700	3	5			0		plug mouse hole - 20 sks
								Used - 250 sks cement
								Thanks
								David, Zach & Kirby