

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1350774
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: _____

1350774

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	DENISE 3-33
Doc ID	1350774

Tops

Name	Top	Datum
Anhydrite	1428	724
Heebner	3572	-1440
Lansing	3636	-1484
Base Kansas City	3950	-1798
Pawnee	4022	-1870
Ft. Scott	4098	-1946
Cherokee	4115	-1963
Mississippian	4190	-2038
LTD	4202	-2050

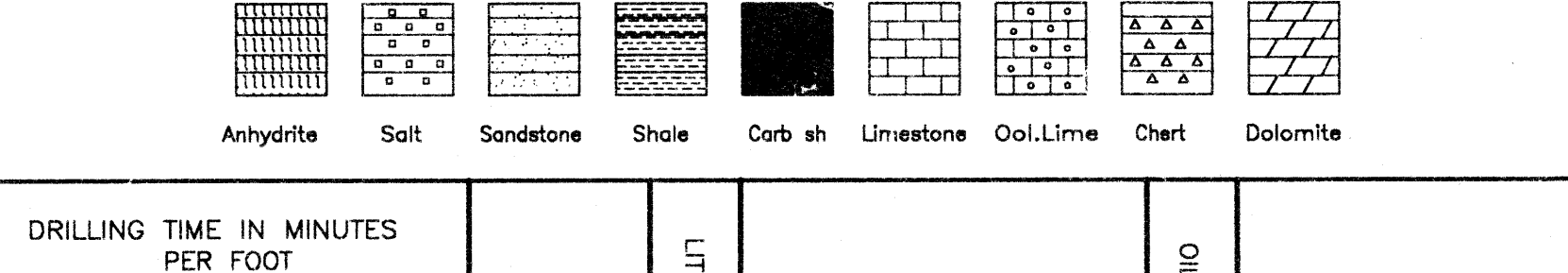
API # 15-135-25936

GEOLOGIST'S REPORT

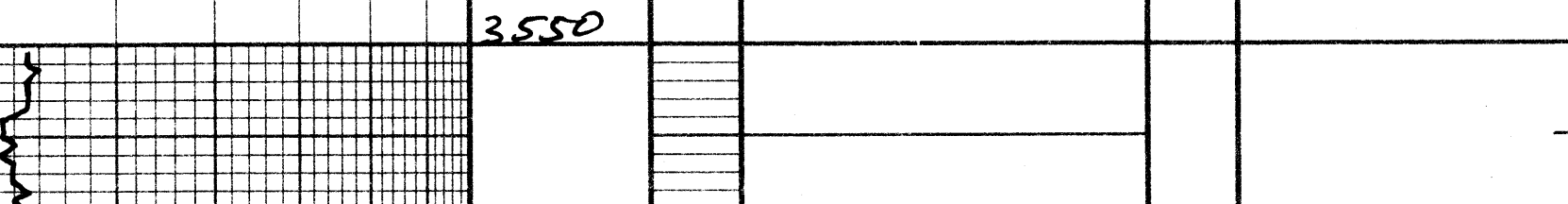
DRILLING TIME AND SAMPLE LOG

COMPANY: American Leasing, Inc. ELEVATIONS: _____
 LEASE: Deaise 3-33 KB: 2152'
 FIELD: Little Peace SW DE: _____
 LOCATION: 1223' FSH + 2259' FWL CI: 2144'
 SEC: 33 TWP: 17S RGE: 21W Measurement Area All
 COUNTY: AVES STATE: KS From: KS
 CONTRACTOR: Discovery Rig #3 SURFACE: 8 1/2" @ 211' 15 3/4"
 SPUD: 2-6-17 COMP: 2-13-2017 PRODUCTION: 9201-52 1554
 RTD: 4200 LTD: 4802 ELECTRICAL SERVICES: _____
 WIND UP: 2550 TYPE WIND: Fixed DEF: DC/4

REMARKS: Anhydrite: 1422-1459
Based upon sample examination, log analysis and DST
Results, 5 1/2" casing was set @ 4201' 1' off h20.
 Recommended Runs:
Ft. Scott: 4100-4103
Miss: 4197-201



LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
3550				
Heedeen 3592				
-1440				
3600				
Leasing 3636				
-1484				
3650				
3700				
3750				
3800				
3850		ls: tan - white xh sd - ns		
		ls: gray xh		
		ls + sh		
3900		ss		
		sh: black ls: gray		
		sh: brown-red gray		
3950		ls + sh		
BAC 3952		ss		
-1800		ls + sh		
		ss		
		sh:		
4000		ss		
		cht orange ls: gray - xh dark		
Pouncee 4023		ls: gray - dk gray xh - mic dark ns		
-1871		ss		
4050		a a		
		ss		
		ls: dk gray		
		sh gray		
		sh: black		
		ls: white-tan - xlv. + cherty, fossiliferous GP, fossiliferous pool inter.		
DST #1		sh: red		
4100		sh: gray - brown ss: fg - blue ss: fg - blue - white ss: brown sh: gray - brown - green ls: gray		
Cherokee 4114		ss: fg, PS, cluden, fsp sh: gray - green sh: white - gray, PS, fg, cluden ns		
-1962		sh: green		
4150		ss		
		sh: green - brown		
Miss 4025		Dol: tan - suc, GSP cht: white - tan, xlv GP, fossiliferous, fsp GP, xlv, fsp AA - mic, chert		
-2033				
4200				
CFB 4200				
-2048				

DST #1
 4080-4135
 IF: 608 17 min
 NBB
 FSP: 608 6.5 min
 NBB
 FSP: 608
 Rec: 577' GIP
 50' MGO
 30266, 50280
 2050 m
 Isp: 1168
 FSP: 1184
 IFP: 24-39
 FFP: 40-59

CONTRACTOR: Discovery Rig #3 LOCATION: 1223' FSH + 2259' FWL
 LEASE: Deaise 3-33 IP: _____ SEC: 33 TWP: 17S RING: 21 W
 ELEVATION: 2152' KA RTD: _____ COUNTY: AVES STATE: KS

SCOTT CORSAIR

PETROLEUM GEOLOGIST #55

210 W Avenue A P.O. Box 6
Bazine, Ks 67516
785-398-2270 Mobile 785-398-1708
FAX 785-398-2586

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

Denise #3-33
1723' FSL & 2259' FWL
Section 33-17S-21W
Ness County, KS
API # 15-135-25936

OPERATOR: AMERICAN WARRIOR, INC.
WELL: DENISE #3-33
API NO.: 15-135-25936
LOCATION: 1723' FSL & 2259' FWL, 33-17S-21W, NESS COUNTY, KANSAS
WELLSITE: FARMGROUND
COMMENCED: FEBRUARY 6, 2017
COMPLETED: FEBRUARY 13, 2017
ELEVATIONS: 2144' GL ; 2252' KB
TOTAL DEPTH: 4200' (DRILLER); 4202' (LOG)
CASING: SURFACE: 8 5/8 @ 221' W/ 150 SKS.
PRODUCTION: 5 1/2 @ 4201' W/ 175SKS.
PORT COLLAR @ 1390'
SAMPLES: 10 FT. FROM 3550' TO T.D.
LOGS: DUAL INDUCTION & DUAL COMPENSATED POROSITY (LOG-TECH)
DRILLSTEM TESTS: ONE (1) BY TRILOBITE
CONTRACTOR: DISCOVERY RIG #3
REMARKS: Geological supervision: 3550' - T.D.

FORMATION TOPS	E-LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1428	+724	1422	+730
Heebner	3592	-1440	3592	-1440
Lansing	3636	-1484	3636	-1484
Base KC	3950	-1798	3950	-1798
Pawnee	4022	-1870	4023	-1871
Ft. Scott	4098	-1946	4096	-1944
Cherokee	4115	-1968	4114	-1962
Mississippian	4190	-2038	4185	-2033
Total Depth	4202	-2050	4200	-2048

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3636 -1484

There were no shows of oil/gas observed in the porous zones during the drilling of the Lansing-Kansas City section.

FT. SCOTT 4098 -1946

Limestone: white and tan, crystalline, fossiliferous, fair intercrystalline porosity, fair show of free oil, good fluorescence, excellent cut fluorescence, fair odor.

Drill Stem Test No. 1: 4080-4135 /30-30-30-60/ Initial flow: blow built to BOB in 17 minutes; Initial shut in: no blow; Final flow: blow built to BOB in 6.5 minutes; Final shut in: no blow.

Recovered: 577' of gas in pipe & 50' of mud cut gassy oil, 20% mud, 30% gas & 50% oil.

IHP 2037
IFP 25-40
ISIP 1167
FFP 40-60
FSIP 1185
FHP 2009

CHEROKEE 4115 -1968

There were no shows of oil/gas observed in the porous zones during the drilling of the Cherokee section.

MISSISSIPPIAN 4190 -2038

Dolomite: tan, sucrosic, good show of free oil, fair fluorescence, excellent cut fluorescence, fair to good odor. **Chert:** white – tan, white, tan, crystalline, some weathered, tripolitic, good show of free oil, good fluorescence, excellent cut fluorescence, Good odor.

FORMATION	American Warrior Denise #3-33 1723' FSL & 2259' FWL; 33-17S-21W Ness County, KS	American Warrior Denise #1-33 1850' FSL & 2240' FWL; 33-17S-21W Ness County, KS	Ensign Operating Casey #1-33 2310' FSL & 1650' FWL, 33-17S-21W Ness County, KS
Anhydrite	+724	+729	+729
Heebner	-1440	-1440	-1438
Lansing	-1484	-1484	-1482
Ft. Scott	-1946	-1946	-1947
Mississippian	-2028	-2041	Not called

SUMMARY AND RECOMMENDATIONS

Structural position, sample examination and Electrical log analysis indicate this test will be a commercial producer. 5 ½" casing was set @ 4201', 1' off LTD. Based upon sample and log analysis of the Mississippian and Drill Stem Test Results of the Ft. Scott, both zones should be productive:

1. Mississippian: 4190-4201'
2. Ft. Scott: 4101-4104'

Measurements were taken from rotary kelly bushing (8 feet above ground level). Log measurements are taken as correct.

Respectfully Submitted,

Scott Corsair
Petroleum Geologist #55





CHANGE TO: American Drilling
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 30154

PAGE 1 OF 1

SERVICE LOCATIONS
 1. 192011 KS WELL/PROJECT NO. 3-33 LEASE Danese COUNTY/PARISH Acas STATE KS CITY Bazine DATE 23 Feb 17 OWNER _____
 2. _____ CONTRACTOR _____ RIG NAME NO. _____ SHIPPED KS DELIVERED TO Location ORDER NO. _____
 3. _____ TICKET TYPE SERVICE SALES WELL TYPE H D WELL CATEGORY Development JOB PURPOSE Conduct post roller WELL PERMIT NO. _____ WELL LOCATION 33-12-21
 4. _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20	mi			5.00	100.00
576D		1			Pen Charge	1	ea			1250.00	1250.00
330		1			SMD cement	115	sk			15.75	1811.25
276		1			finels	25	lb			2.25	56.25
290		1			D. air	2	gal			42.00	84.00
581		1			Service charge	1	sk			150.00	262.30
582		1			Drainage (cont.)	1	ea			250.00	250.00
104		1			opening trial rod	2	in			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: 5/18 TIME SIGNED: A.M. P.M.
 X SWH

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?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4014.00
 TOTAL 4153.85
 SWH
 BJ

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
 SWIFT OPERATOR: ASG APPROVAL: _____
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 23 Feb 17 PAGE NO.

CUSTOMER American Wellco WELL NO. 3-33 LEASE Denise JOB TYPE Cement Port collar TICKET NO. 30154

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SMD cement w/ #11 floccula 23' 5" port collar - 1390'
	0900							on loc TRX 110
	0915					1000	1000	test to 1000 psi - hold open port collar
	0928	3	2				400	inj rate 3bpm @ 400 psi
	0935	3	2				400	mix SMD cement @ 11.2ppg fluid to surface cement to surface
		3	2				410	
		3	60				510	
			4 1/2					displace 4 1/2 bbl H ₂ O close port collar - test to 1000 psi - hold Run 5 joints
	1000					1000	1000	
	1010		20					Reverse out - 2 cement plugs -
	1025							unload truck Reverse out Pack up
	1055							job complete Thanks Blair, Flint & son

115 mixed
15 to pit



CHARGE TO: American Barrier Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 29943

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Flaws 1s WELL/PROJECT NO: 3-33 LEASE: Denise COUNTY/PARISH: Ness STATE: Ks CITY: _____ DATE: 2-13-17 OWNER: _____
 2. Ness City 1s CONTRACTOR: Discovery Billing RIG NAME/NO.: Rig # 3 SHIPPED VIA: _____ DELIVERED TO: _____ ORDER NO.: _____
 3. _____ WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: Long String WELL PERMIT NO.: _____ WELL LOCATION: _____
 4. _____ INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
535					MILEAGE TRK # 113	20	mi			5.00	100.00
538					Pump Charge - Long String	1	EA			1250.00	1250.00
290					D-Air	2	EA			42.00	84.00
281					Mudflish	500	EA			1.25	625.00
281					Liquid Ker	2	EA			25.00	50.00
403					Cement Basket	2	EA		5/2	250.00	500.00
404					Post Collar	1	EA			2500.00	2500.00
406					Latch Down Plug & baffle	1	EA			225.00	225.00
407					Insert Flout Shoe w/ Auto fill	1	EA			300.00	300.00
409					Turbolizer	5	EA			75.00	375.00
409					Rotating Head Center	1	EA			200.00	200.00

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMERS AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

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

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

CUSTOMER DID NOT WISH TO RESPOND

DATE SIGNED: _____ TIME SIGNED: _____
 SWIFT OPERATOR: David Edgeron APPROVAL: _____

TAX: _____
 TOTAL: _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: _____
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2-13-17 PAGE NO.

CUSTOMER
American Water

WELL NO.
3-33

LEASE
Denise

JOB TYPE
Long String

TICKET NO.
29943

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	700							On location w/ Float Equip
								RTO-4200
								LTD - 4202
								Centralizers - 1, 2, 3, 4 & 70
								Baskets - 5, 71
								Port Collar - 71 @ 1390
								pipe set @ 4203
								Shoe It - 37.80
	705							Start Running (sq
	840							break circ on btm
	920	2.5	7			0		plug rat hole - 30 sks
	925	2.5	5			0		plug mouse hole - 20 sks
	930	5	12			400		pump mudflush - 500 gal
	935	5	20			400		pump Kcl spacer -
	940	5	30			200		pump CMT - 125 sks @ 15.5 ppq
								Drop plug
	955	7	0			0		Start Disp
	1015	5	99			800		land plug - lift psi - 800
								land psi - 1500
								Release psi - Dry
								Thanks
								David, Jon & ISAAC



CHARGE TO: American Hart, Inc.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 30142

PAGE 1 OF 1

SERVICE LOCATIONS: 1000 City KS WELL/PROJECT NO: 3.33 LEASE: Denise COUNTY/PARISH: Ness STATE: KS CITY: Bazine DATE: 6 Feb 17 OWNER: _____
 2. _____ CONTRACTOR: _____ RIG NAME/NO.: 3 SHIPPED: WET DELIVERED TO: location ORDER NO.: _____
 3. _____ WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: connect port collar WELL PERMIT NO.: _____ WELL LOCATION: _____
 4. _____ INVOICE INSTRUCTIONS: _____

PRICE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.		
575					FOUR 114	20	in		5.00	100.00	
576S					Fund Charge	1	ea		800.00	800.00	
385					Stoddard Cement	150	sk		12.85	1837.50	
279					Barbitel gel	300	lb	3	sk	25.00	75.00
278					Calcium chloride	2	gal		5.00	10.00	
290					D-AIR	2	gal		42.00	84.00	
581					SRV Charge	150	sk		1.50	225.00	
582					Draysge (us)	1	ea		270.00	270.00	

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED: 6 Feb 17 TIME SIGNED: 4:30 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? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 3571

TAX: _____

TOTAL: _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges and agrees to the conditions and services listed on this ticket.
 SWIFT OPERATOR: _____ APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8 Feb 17 PAGE NO.

CUSTOMER American Warrior

WELL NO. 3-33

LEASE Denise

JOB TYPE Cement surface pipe

TICKET NO. 30142

CHART NO.	TIME	RATE (BRM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150 sk Standard cement 2% oil 3% CC 8 5/8" x 24' casing 5 jts 221' TD = 221'
	1620							on loc TRK 114
	1707							start 8 5/8" x 24" casing in well
	1730							circulate well
	1740	3 1/2	37				200	Mix Standard 2% 3% cement 150 sk @ 14.7 gpg
		3 1/2						Displace w/ H2O
	1800	3 1/2	9 13					→ Cement to surface ← Kickout shot in 8 5/8" 515 sk (top)
	1805							wash truck Rack up
	1830							job complete Thanks Blanco, Flist. JOHN



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, Kansas
 67846
 ATTN: Scott Corsair

33/17S/21W/Ness

Denise #3-33

Job Ticket: 64801

DST#: 1

Test Start: 2017.02.11 @ 23:44:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:41:30

Time Test Ended: 06:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Hays/94

Interval: 4080.00 ft (KB) To 4135.00 ft (KB) (TVD)

Reference Elevations: 2152.00 ft (KB)

Total Depth: 4135.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Press@RunDepth: 59.90 psig @ 4130.74 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.11

End Date: 2017.02.12

Last Calib.: 2017.02.12

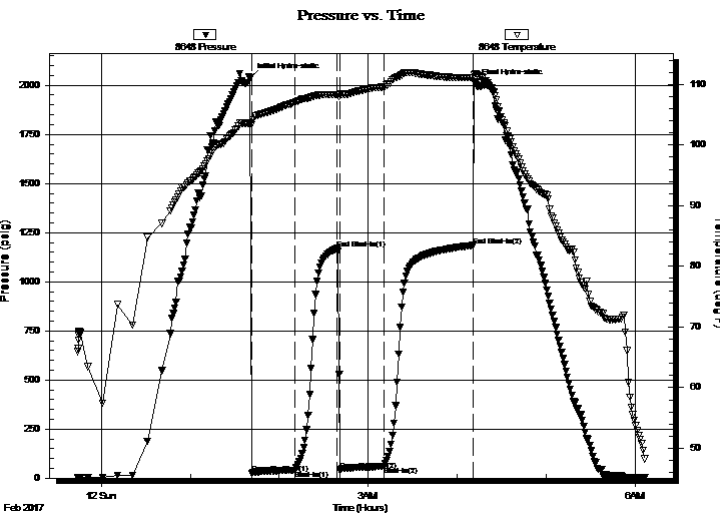
Start Time: 23:44:05

End Time: 06:06:59

Time On Btm: 2017.02.12 @ 01:40:30

Time Off Btm: 2017.02.12 @ 04:12:00

TEST COMMENT: I.F. 30 Minutes/Blow built to BOB in 17 minutes
 I.S.I. 30 Minutes/No blow back
 F.F. 30 Minutes/Blow built to BOB in 6 1/2 minutes
 F.S.I. 60 Mintues/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.12	103.62	Initial Hydro-static
1	24.80	103.35	Open To Flow (1)
30	39.95	107.03	Shut-In(1)
59	1168.66	108.36	End Shut-In(1)
61	40.48	108.35	Open To Flow (2)
90	59.90	109.59	Shut-In(2)
150	1184.70	111.12	End Shut-In(2)
152	2008.78	111.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud cut Gassy Oil	0.43
0.00	Mud 20% Gas 30% Oil 50%	0.00
0.00	577 feet of gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, Kansas
 67846
 ATTN: Scott Corsair

33/17S/21W/Ness

Denise #3-33

Job Ticket: 64801

DST#: 1

Test Start: 2017.02.11 @ 23:44:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:41:30
 Time Test Ended: 06:07:00

Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Hays/94

Interval: **4080.00 ft (KB) To 4135.00 ft (KB) (TVD)**
 Total Depth: 4135.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair

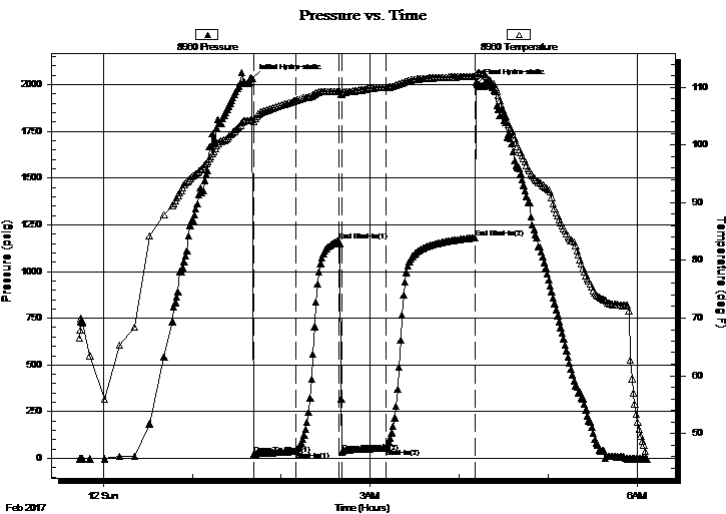
Reference Elevations: 2152.00 ft (KB)
 2144.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1181.65 psig @ 4131.74 ft (KB)
 Start Date: 2017.02.11 End Date: 2017.02.12
 Start Time: 23:44:05 End Time: 06:06:59

Capacity: 8000.00 psig
 Last Calib.: 2017.02.12
 Time On Btm: 2017.02.12 @ 01:40:30
 Time Off Btm: 2017.02.12 @ 04:12:00

TEST COMMENT: I.F. 30 Minutes/Blow built to BOB in 17 minutes
 I.S.I. 30 Minutes/No blow back
 F.F. 30 Minutes/Blow built to BOB in 6 1/2 minutes
 F.S.I. 60 Mintues/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2033.45	104.34	Initial Hydro-static
1	21.33	104.16	Open To Flow (1)
30	38.14	107.73	Shut-In(1)
59	1165.73	109.27	End Shut-In(1)
61	34.39	108.99	Open To Flow (2)
90	56.65	109.96	Shut-In(2)
150	1181.65	111.93	End Shut-In(2)
152	2005.24	112.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud cut Gassy Oil	0.43
0.00	Mud 20% Gas 30% Oil 50%	0.00
0.00	577 feet of gas in pipe	0.00

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, Kansas
67846
ATTN: Scott Corsair

33/17S/21W/Ness
Denise #3-33
Job Ticket: 64801 **DST#: 1**
Test Start: 2017.02.11 @ 23:44:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud cut Gassy Oil	0.428
0.00	Mud 20% Gas 30% Oil 50%	0.000
0.00	577 feet of gas in pipe	0.000

Total Length: 50.00 ft Total Volume: 0.428 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

