

Kansas Corporation Commission Oil & Gas Conservation Division

1053575

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
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	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
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Onv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ 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 Approved by: Date:

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc. Type of	# Sacks	Type and Percen
Purpose of String	urpose of String Size Hole Size Casing Drilled Set (In O.D.)				Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	# Sacks Used Type			Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe				cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM Perf. D	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify) _						

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Witthuhn Unit 1-26
Doc ID	1053575

Tops

Name	Тор	Datum
Anhydrite	1409	743
Heebner	3602	1450
Lansing	3648	-1496
ВКС	3965	-1813
Pawnee	4054	-1902
Ft. Scott	4129	-1977
Cherokee	4151	-1999
Mississippian	4220	-2068
TD	4239	-2087



REFERRAL LOCATION

INVOICE INSTRUCTIONS

TICKET

TICKET TYPE CONTRACTOR

SERVICE

SALES

WELL TYPE WELL/PROJECT NO. LEASE WELL CATEGORY JUNEAU FY DEVILLARMENT . ويا JOB PURPOSE OKONFUL 95% RIG NAME/NO. NESS COUNTY/PARKS ~; W VIA DELIVERED TO STATE WELL PERMIT NO. CITY PAZIE MELL LOCATION ORDER NO. DATE 7750N10 121 Bal Turo PAGE OWNER 유

DATE SIGNED	START OF WORK OR DELIVERY OF GOODS	LIMITED WARRANTY provisions MUST BE SIGNED BY CUSTOMER OR CUSTOM	but are not limited to	thet sand conditi		3	330	290	2020	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	30	412	2110	909	ハンフ	275	REFERENCE
TIME SIGNED	ERY OF GOODS	LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	TERMS: Customer hereby acknowledges and agrees to													SECONDARY REFERENCE/ PART NUMBER
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P.M.			, and	es to	L												ACCOUNTING ACCT DF
785-798-2300	P.O. BOX 466 NESS CITY KS 67560	SWIFT SERVICES, INC.		REMIT PAYMENT TO:	DESTACE	Sec. 300 01240 00000	Maria Vista Andre	フラス	FLOCELE	1000 1000	ADOS KAL	BAROL TRAF	TOP Page	76 83011CK 878	PUNCT OWARGE	MILEAGE ** //()	DESCRIPTION
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SHED WITH OUR SERVICE? YES	HE EQUIPMENT D JOB (?	IHOUT DELAY?	DOWN?	SURVEY	40:03/	4/50 50	1750186	2/12	1136	500%) k	A Second	4 ,	1/2	1/	2/3/9	QTY.
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			11/6/11/	\\ \?\\	447 3	5/5/0	(157)	53 (1171	(10)	5000	9.00 P	\(\frac{1}{2}\)	11/1/20	200	77.0	1000	AMOUNT

SWIFT Services, Inc. JOB TYPE CEMENT 858 WELL N. SOLARALN LAR PRESSURE (PSI)
TUBING CASING VOLUME (BBL) (GAL) RATE (BPM) DESCRIPTION OF OPERATION AND MATERIALS MOTTAGON IND 32130 85/8-234 STARL PIPE. 2230 RTD@1420 SET@1420 SHOE ST 15,47' CELSTRALIZERS 1.3 8.29 CIRCULATE. 2340 (0 12 3010 200 Pump 500 Sac Mus Filish lo 2013 200 Pamp 20 Roll Ket Flash 2019 MIX CENTENT, 46 200 100 5KS@ 11, 82P6 200 15050 1252PG 200 100 SKSE 13.0 pple V 200 100 SKS@ 14.5 pp6. RELEASE PLUE DISPLACE PLUG. 2055 6 90% 400 PLUG DOWN, SHULLDEU IA. 2110 CIRCULATE 30 SKS CENTER TO PIL 0115 WASH TRUCKUP. JOB COMPLETE THANKS B110 JASON ROCKER LANE



SERVICE LOCATIONS

REFERRAL LOCATION

INVOICE INST

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пскет 18708

WELL/PROJECT NO. LEASE COUNTY/PARISH STATE CITY DATE OWNER ON TRACE OF THE SERVICE OF COUNTY/PARISH STATE CITY DELIVERED TO ORDER NO. WELL TYPE COUNTRACTOR RIG NAME/NO. VIA COUNTY/PARISH ORDER NO. WELL LOCATION WELL LOCATION WELL LOCATION	
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CITY CITY DATE 7-5-10 DELIVERED TO ORDER NO. WELL PERMIT NO. WELL LOCATION WELL LOCATION	
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DATE ORDER NO. WELL LOCATION	
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OWNER OWNER	
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SWIFT OPERATOR

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

CUSTOMER DID NOT WISH TO RESPOND

Thank You!

APPROVAL



TICKET CONTINUATION

SWIFT Services, Inc.

DATE 7-5-10 PAGE NO

Me.	rican	Werrer	WELL NO.	6		LEASE +	huhn	JOB TYPE + 5/2 "Casing 18708
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUI	MPS C	PRESSUR TUBING	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
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								7P-4241' Burket 5
								PS-4238'
								51.42'
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	0615							Breck Circulation
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			/ 					
			JO					Shut Down ReleasePhy-WashPan
V.)	3715	614		J.			200	Start Diedlecoment
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SERVICE LOCATIONS

WELL/PROJECT NO.

LEASE

POLICHNIA ILICA

RIG NAME/NO. COUNTY/PARISH

SHIPPED DELIVERED TO

BAZINE,

75

ORDER NO.

15 July 10

DATE

OWNER

WELL PERMIT NO.

STATE

TICKET TYPE | CONTRACTOR | III SERVICE | SALES | WELL TYPE

WELL CATEGORY

TICKET

PAGE

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SWIFT OPERATOR

APPROVAL

Thank You!

JOB LOG	Ć	SWIFT Services,	luc.	DATE 15 Til
CUSTOMER AMERICAN WARRING	WELL NO.	LEASE EDITIONAL 1-26	JOB TYPE CENTENT & HAR	ル名をう TICKET NO.
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JOB LO)G			ĺ		SWIFT	Servi	ices, Inc. DATE 15 July 10 PAGE NO.
CUSTOMER	LU MESTE	ARRIVIL	WELL NO.			LEASE		TION TURE
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUN	IPS C	PRESSUR TUBING		DESCRIPTION OF OPERATION AND MATERIALS
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	1439							WASH TRUCK
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Geological Report

American Warrior, Inc. Witthuhn Unit #1-26
2200' FSL & 40' FEL
Sec. 26 T18s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Witthuhn Unit #1-26 2200' FSL & 40' FEL Sec. 26 T18s R22w Ness County, Kansas API # 15-135-25070-0000

Drilling Contractor: Discovery Drilling Co, Inc. Rig #3

Geologist: Jason Alm

Spud Date: June 29, 2010

Completion Date: July 5, 2010

Elevation: 2144' Ground Level

2152' Kelly Bushing

Directions: Bazine KS, 1 mi. West on Hwy 96, North into

location.

Casing: 1420' 8 5/8" surface casing

4238' 5 1/2" production casing

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

Drilling Time: 3500' to RTD

Electric Logs: Log Tech, Inc. "Chris Desaire"

CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Brian Fairbank, Paul

Simpson"

Problems: None

Remarks: None

Formation Tops

American Warrior, Inc. Witthuhn Unit #1-26 Sec. 26 T18s R22w	
· · · · · · · · · · · · · · · · · · ·	
Sec. 26 T18s R22w	
Formation 2200' FSL & 40' FEL	
Anhydrite 1409' , + 743	
Base 1442', +710	
Heebner 3602', -1450	
Lansing 3648', -1496	
BKc 3965', -1813	
Pawnee 4054', -1902	
Fort Scott 4129', -1977	
Cherokee 4151', -1999	
Mississippian 4220', -2068	
LTD 4239', -2087	
RTD 4239', -2087	

Sample Zone Descriptions

Fort Scott (4129', -1977): Covered in DST #1

Ls – Fine to medium crystalline with poor to fair inter-crystalline porosity, light oil stain in porosity, no show of free oil, bright yellow fluorescents, light odor, 56 units hotwire.

Mississippian Osage (4220', -2068): Covered in DST #2

Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, good oil stain and saturation, good show of free oil, good odor, good yellow cut fluorescents, 110 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Brian Fairbank, Paul Simpson"

DST #1 Fort Scott

Interval (4105' – 4177') Anchor Length 72'

IHP - 2122 #

IFP - 30" - Built to 2.5 in. 61-63 #
ISI - 45" - Dead 128 #
FFP - 30" - Built to 1 in. 65-68 #
FSI - 45" - Dead 100 #

FHP - 2035 # BHT - 115°F

Recovery: 15' SOCM 2% Oil

DST #2 Mississippian Osage

Interval (4225' – 4237') Anchor Length 12'

IHP - 2124 #

 IFP
 - 15" - B.O.B. 3 min.
 58-116 #

 ISI
 - 30" - Built to 6 in.
 1204 #

 FFP
 - 10" - B.O.B. 1 min.
 152-215 #

 FSI
 - 30" - Built to 3 in.
 1148 #

FHP - 2073 # BHT - 117°F

Recovery: 330' GIP

540' GCO

30' MCO 85% Oil

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Witthuhn Unit #1-26 Sec. 26 T18s R22w	Witthuhn Heirs #1-35 Sec. 35 T18s R22w		Witthuhn Heirs #1-25 Sec. 25 T18s R22w	
Formation	2200' FSL & 40' FEL	1060' FNL & 950' FEL		775' FSL & 1950' FWL	
Anhydrite	1409', +743	1422', +745	(-2)	1410', +741	(+2)
Base	1442', +710	NA	NA	1441', +710	FL
Heebner	3602', -1450	3630', -1463	(+13)	3613', -1462	(+12)
Lansing	3648', -1496	3976', -1509	(+13)	3660', -1509	(+15)
BKc	3965', -1813	NA	NA	3980', -1829	(+16)
Pawnee	4054', -1902	4084', -1917	(+15)	4067', -1916	(+14)
Fort Scott	4129', -1977	4160', -1993	(+16)	4144', -1993	(+16)
Cherokee	4151', -1999	4180', -2013	(+14)	4163', -2012	(+13)
Mississippian	4220', -2068	4250', -2083	(+15)	4220', -2069	(+1)

Summary

The location for the Witthuhn Unit #1-26 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 Mississippian Osage Formation. After all gathered data had examined the decision was made to run 5 ½ inch production casing to further evaluate the Witthuhn Unit #1-26 well.

Recommended Perforations

Mississippian Osage: (4222' – 4235') DST #2

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

Hard Rock Consulting, Inc.

Jason Alm Petroleum Geologist Hays, KS 67601 P.O. Box 1260

DRILLING TIME AND SAMPLE LOG GEOLOGIST'S REPORT

OPERATOR American Warrior, LEASE WITH HUND UNIT WELL NO. 1-2.6

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12 **ELEVATION**

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From Acily Measurements FIELD Wildcat

LOCATION 2200 FSL & 40 FEL

SEC. 26 COUNTY Ness _ TWP:_ _ STATE 18 s RGE 224 Konsos

MUD UP 3400 RTD 4239' CCMM: 6-23-2010 GEOLOGICAL SUPERVISION FROM SAMPLES EXAMINED FROM DRILLING TIME KEPT FROM SAMPLES SAVED FROM CCNTRACTOR ... Discoursy Drilling 3500 70 -COMP! 3500 3500' TYPE MUD -3600 -5-2010 **|** ಠ 귱 Chemical RID 10 RTD RID RE

FORMATION	MINITAG GOT	SAMPLE TOP DATUM	STRUCT. COMP.
A-4.7647	3409, + 743	1408.4744	+2
Basc	k d	0124,2591	FL
Heebace	05/11 - 20%	13602 - 14501 +	+12
Leasins	3648 - 1496	3648 - 1456	13
BKC	•	3964'-1812	•
Parance	4054-1902	4054'-1902	1
50 Sint	LL51.621h	4125'-1977	+16
Themkee	6551-1516	14151-1459	+/3
0310015518	8902-,022h	14)222 - 2070	+
Total 046th 14239-2087 14239-2087	4235'-2087	4235'-2087	
440			

REFERENCE WELL FOR STRUCTURAL COMPARISON With Judia Heire # 1-25 Sec American T185 R 22 L. Westing,

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				NIERWAL
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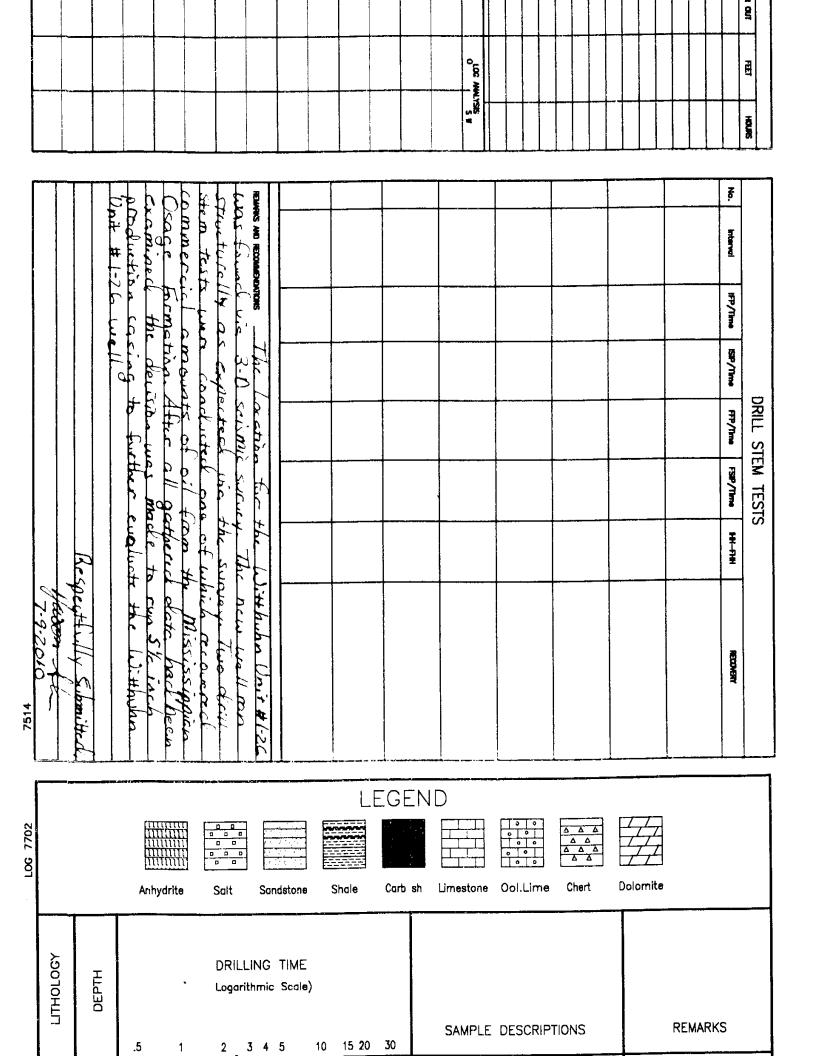
CASING RE

PRODUCTION S/Z

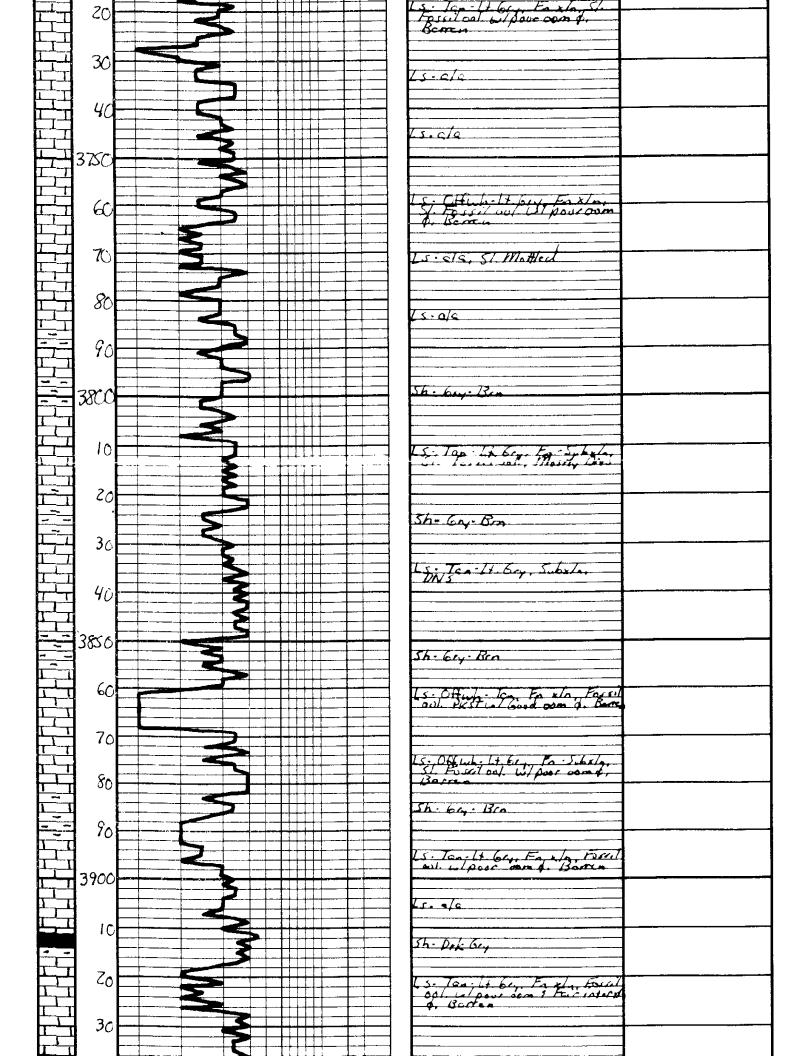
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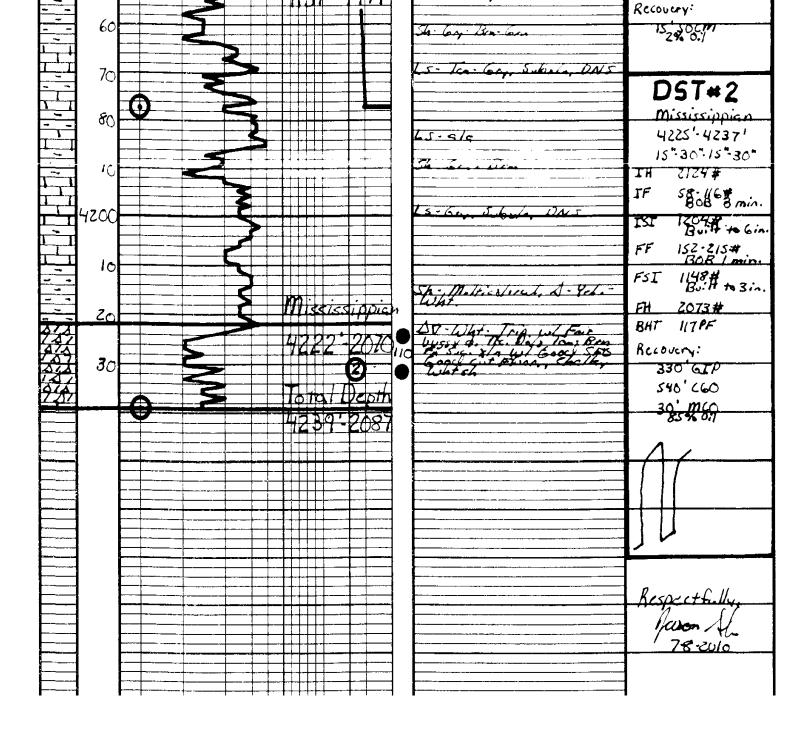
CNL/CDL, DI 507



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Am Warrior

Witthuhn Unit 1-26 26-18s-22w/Ness

PO Box 399 Garden City, Ks

Job Ticket: 38960

DST#: 1

67846 ATTN: Jason Alm

Test Start: 2010.07.03 @ 20:45:49

GENERAL INFORMATION:

Formation: Ft. Scott

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

Time Tool Opened: 23:16:44 Time Test Ended: 03:31:13

Unit No:

Tester:

Brian Fairbank

2152.00 ft (KB)

4105.00 ft (KB) To 4177.00 ft (KB) (TVD) 4177.00 ft (KB) (TVD)

Reference Elevations: 2144.00 ft (CF)

KB to GR/CF: 8.00 ft

7.88 inches Hole Condition: Hole Diameter:

Serial #: 8647 Inside

Interval: Total Depth:

Press@RunDepth: 4108.00 ft (KB) 67.76 psig @ Capacity: 8000.00 psig

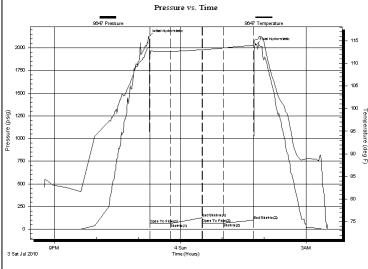
Start Date: 2010.07.03 End Date: 2010.07.04 Last Calib.: 2010.07.04 Start Time: 20:45:49 End Time: 2010.07.03 @ 23:15:14 03:31:13 Time On Btm: 2010.07.04 @ 01:48:13 Time Off Btm:

TEST COMMENT: IFP - w eak blow throughout 1/4" - 2 1/2"

ISI - no blow back

FFP - w eak blow throughout sur - 1"

FSI - no blow back



Р	RESSUR	RE SU	MMAR	Y

	THE GOTHER GOTHING AND					
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2121.63	113.57	Initial Hydro-static		
	2	61.92	112.06	Open To Flow (1)		
	31	63.99	112.68	Shut-In(1)		
Т	76	128.35	113.05	End Shut-In(1)		
empe	77	65.48	113.03	Open To Flow (2)		
Temperature (deg F;	107	67.76	113.42	Shut-In(2)		
(deg	150	100.70	114.05	End Shut-In(2)		
F)	153	2035.04	115.30	Final Hydro-static		

Recovery

Length (ft)	Description	Volume (bbl)
15.00	0 VSOCM 2%O, 98%M	
-		•

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 38960 Printed: 2010.07.04 @ 11:48:57 Page 1



FLUID SUMMARY

Am Warrior Witthuhn Unit 1-26

PO Box 399 Garden City, Ks

67846

ATTN: Jason Alm

26-18s-22w/Ness

Serial #:

Job Ticket: 38960 **DST#:1**

Test Start: 2010.07.03 @ 20:45:49

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 51.00 sec/qt Cushion Volume: bbl

Water Loss: 10.36 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	VSOCM 2%O, 98%M	0.074

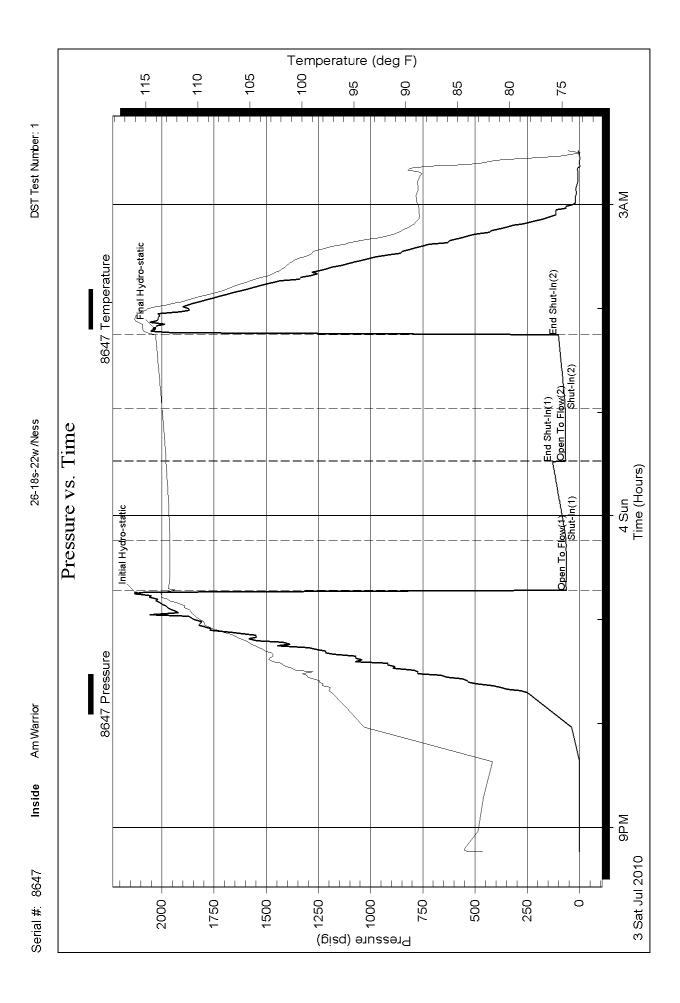
Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 38960 Printed: 2010.07.04 @ 11:48:58 Page 2



Printed: 2010.07.04 @ 11:48:58 Page 3 38960 Ref. No: Trilobite Testing, Inc



Am Warrior

PO Box 399

Witthuhn Unit 1-26

Garden City, Ks

67846

ATTN: Jason Alm

26-18s-22w/Ness

Job Ticket: 38961 **DST#: 2**

Test Start: 2010.07.04 @ 12:00:26

GENERAL INFORMATION:

Formation: Miss

Total Depth:

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

Time Tool Opened: 13:55:56 Tester: Paul Simpson

Time Test Ended: 18:25:26 Unit No:

Interval: 4225.00 ft (KB) To 4237.00 ft (KB) (TVD) Reference Elevations: 2152.00 ft (KB)

4237.00 ft (KB) (TVD) 2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8647 Inside

Press@RunDepth: 214.83 psig @ 4227.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2010.07.04
 End Date:
 2010.07.04
 Last Calib.:
 2010.07.04

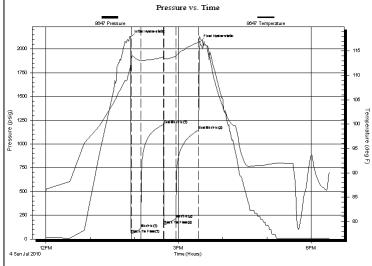
 Start Time:
 12:00:31
 End Time:
 18:25:25
 Time On Btm:
 2010.07.04 @ 13:54:56

Time Off Btm: 2010.07.04 @ 15:28:56

TEST COMMENT: IF- 1" blow building to bottom of bucket in 3 minutes

ISI- w eak surface blow built to 6" FF- strong -bottom of bucket in 1 minute

FSI- weak surface built to 3"



	(Min.)	(psig)	(deg F)	
	0	2124.49	111.74	Initial Hydro-static
	1	58.29	113.13	Open To Flow (1)
	14	116.04	112.94	Shut-In(1)
_	45	1203.65	113.73	End Shut-In(1)
Temperature	46	152.80	113.43	Open To Flow (2)
ature	62	214.83	113.86	Shut-In(2)
(deg l	93	1148.24	116.78	End Shut-In(2)
Ð	94	2072.55	117.73	Final Hydro-static
			1	

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)
540.00	gassy oil 20% gas 80% oil	6.56
30.00	muddy oil 85% oil 15% mud	0.38
0.00	330' gas in pipe	0.00
-		

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

Trilobite Testing, Inc Ref. No: 38961 Printed: 2010.07.05 @ 09:31:56 Page 1



FLUID SUMMARY

Am Warrior Witthuhn Unit 1-26

PO Box 399 Garden City, Ks

67846

ATTN: Jason Alm

26-18s-22w/Ness

Job Ticket: 38961 **DST#: 2**

Test Start: 2010.07.04 @ 12:00:26

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:40 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 51.00 sec/qt Cushion Volume: bbl

Water Loss: 10.35 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

I	_ength ft	Description	Volume bbl
	540.00	gassy oil 20% gas 80% oil	6.561
	30.00	muddy oil 85% oil 15% mud	0.378
	0.00	330' gas in pipe	0.000

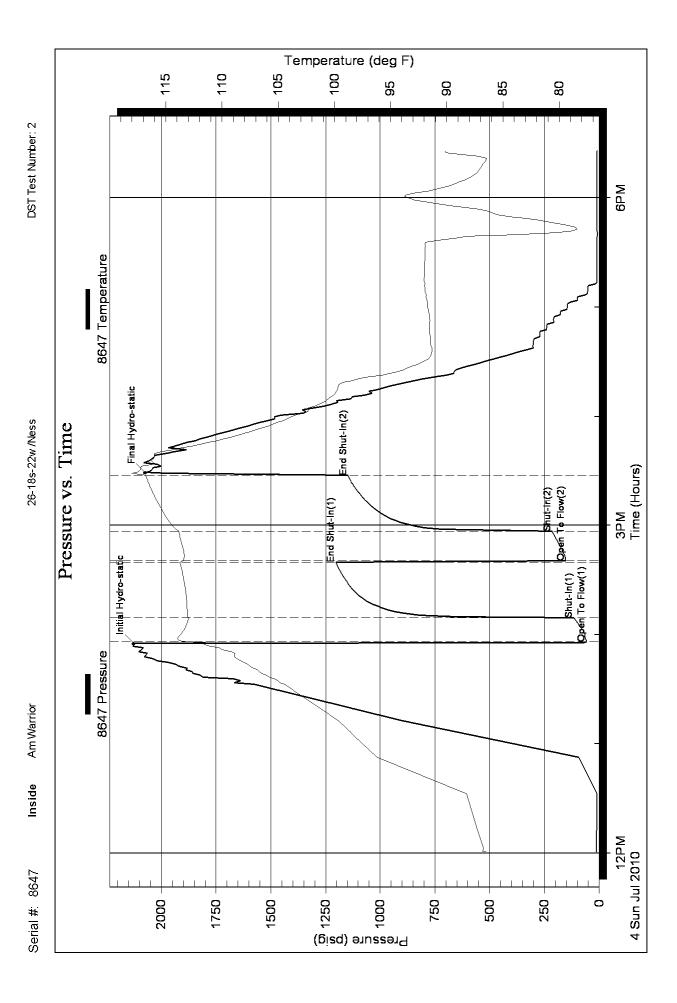
Total Length: 570.00 ft Total Volume: 6.939 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 38961 Printed: 2010.07.05 @ 09:31:57 Page 2



Printed: 2010.07.05 @ 09:31:57 Page 3 38961 Ref. No: Trilobite Testing, Inc