CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

**	COM		11011	At
WELL HISTORY	- DESCE	RIPTION C	FWFII	RIFASE

Operator: License # 4058	API No. 15 - 009-24,896
Name: American Warrior, Inc.	County: Barton
Address: P. O. Box 399	C_NE_SWSec. 23 Twp. 20 S. R. 13 East West
City/State/Zip: Garden City, KS 67846	1910 FSL feet from S / N (circle one) Line of Section
N/A	1940 FWL feet from E / W (circle one) Line of Section
Operator Contact Person: Joe Smith	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 275-2963	(circle one) NE SE NW SW
Operator Contact Person: Joe Smith Phone: (620) 275-2963 Contractor: Name: Duke Drilling Co., Inc. License: 5929 Steven P. Murphy, P.C.	Lease Name: Schartz Well #: 1-23
License 5929	Field Name: Vioght SE
Purchaser: N/A Operator Contact Person: Joe Smith Phone: (620) 275-2963 Contractor: Name: Duke Drilling Co., Inc. License: 5929 Wellsite Geologist: Steven P. Murphy, PG Designate Type of Completion:	Producing Formation: Arbuckle
Wellsite Geologist: Steven P. Murphy, PG Designate Type of Completion: New Well Re-Entry Workover	Elevation: Ground: 1869' Kelly Bushing: 1877'
New Well Re-Entry Workover	Total Depth: 3600 Plug Back Total Depth: 3572'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 311 Feet
Gas SIGW Tellip. Abd.	
Dry Other (Core, WSW, Expl., Cathodic, etc)	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth setFeet
Operator:	If Alternate II completion, cement circulated from
Well Name:	feet depth tow/sx cmt.
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALTI いみして
-	(Data must be collected from the Reserve Pit) 3-10-08
Deepening Re-perf. Conv. to Enhr./SWD	Chloride content 13,000 ppm Fluid volume 240 bbls
Plug Back Total Depth	Dewatering method used Hauled off site
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name: American Warrior, Inc.
Other (SWD or Enhr.?) Docket No.	Lease Name: Lonnon C3 License No.: 4058
<u>1-20-06</u> <u>1-25-06</u> <u>2-13-06</u>	Quarter NE Sec. 36 Twp. 20 S. R. 13 East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Barton Docket No.: E-22,531-0001
	Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1: 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	or or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations of mulgated to regulate herein are complete and correct to the hest of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signapure: / Muy () / lu-	KCC Office Use ONLY
Title. Compliance Coordinator Pate: 3-6-06	
Date.	Letter of Confidentiality Received
Subscribed and sworn to before me thisday of	If Denied, Yes Date:
20 DCo/	Wireline Log Received CONTRACTOR
Notary Public: Irva tunimen A. ERICA KUHL	
Date Commission Expires: C9-12-09 My Appt. Expires 09-12	2-09
Saco Commission Expires.	100

Sec_23 Twp20	Operator Name: American Warrior, Inc.					Name:	Schartz		Well #: _1-2	:3	
tested, time foot open and closed, flowing and shut-in pressures, whether shut-in pressure reached static liveral, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface lest, along with final charl(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final goological well after report. Publication Admitional Sheeting Yes No				✓ West				TOTAL BANK B RESIDENCE AND A SECOND CONTRACTORS AND A SECOND CONTRACTORS AND A SECOND CONTRACTORS AND A SECOND			
Name	tested, time tool ope temperature, fluid re	en and closed, flowin ecovery, and flow rate	g and shut- es if gas to s	in pressures, surface test, a	whether shalong with f	nut-in pr	essure reached	d static level, hydro	ostatic pressu	res, botto	om hole
Samples Sent to Geological Survey			✓ Ye	s No		₽l.	.og Forma	tion (Top), Depth a	and Datum		Sample
Ves No B. Anhydrite 732	Samples Sent to Ge	ological Survey	☐ Ye	s 🗹 No		1			•		
Topeka	Cores Taken		☐ Ye	s 🔽 No			-				
Brown Lime (latan) 3223 -1346	-		✓ Ye	s No		ı	•				
Brown Lime (latan) 3223 -1346 Brown Lime (latan) 3223 -1346 Compensated Porosity Log, Microresistivity Log, Dual Induction Log, Sonic Cement Bond Log CASING RECORD New Jused Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) New Jused Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) New Jused Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Set (In O.D.) New Jused Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Set Casing New York Set (In O.D.) New Jused Set (In O.D.) New Jused New Jused New York Set (In O.D.) New Jused New Juse	List All E. Logs Run					Hee	bner		3105		-1228
Compensated Porosity Log, Microresistivity Log, Dual Induction Log, Sonic Cement Bond Log CASING RECORD Arbuckle Stromatic Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Size (no.D.) Size Acid Size Coalege Size Casing Size (no.D.) Size Hole Drilled Size Casing Size (no.D.) Size Hole Drilled Size Casing Size (no.D.) Size Hole Drilled Size Casing Size (no.D.) Size (n	Ū					Brov	vn Lime (lat	tan)	3223	•	-1346
Dual Induction Log, Sonic Cement Bond Log Arbuckle 3510 -1633 CASING RECORD						Lan	sing		3236	•	-1359
CASING RECORD					g,	BKC			3472	•	-1595
Purpose of String Size Hole Size Casing Size Hole Size Casing Set (In O.D.) Weight Set (In O.D.) Set (In O.D.)	Dual induction	Log, Sonic Ce	ement bo	na Log 		Arbı	uckle		3510		-1633
Purpose of String Size Hole Drilled Size Casing Drilled Size Casing Size (In O.D.) Surface Pipe 12-1/4" 8-5/8" 23 # 311' Common 300 sx 3% cc 2% gel Production Pipe 7-7/8" 5-1/2' 1505# 3599' Standard 150 sx 1/4# Flocele ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Protect Casing Protect Casing Plug Bask TO Plug Olf Zone Shots Per Fool PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid NE 15% 3000 Gal Same RECEIVED KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHITA KS TUBING RECORD Size Set At 3460' None Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Per 24 Hours Per Hours Per Hours Production Pipe 12-14" Set Interval Perforation Pipe Add Nater Bbis. Gas-Oil Ratio Gravity Pumping Gas Lift Other (Explain) Gravity Per Gerault Additives Type and Percent Acid Net Sacks Type of Cement Acid Net First Packer At Liner Run Production Size Production, SWD or Enhr. Producing Method Flowing Pumping Gas Lift Other (Explain) For 24 Hours Per 24 Hours Per 24 Hours Production Pipe 24 Hours Production Per 24 Hours Production Per 24 Hours Production Per 24 Hours Production Per 24 Hours Production Production Per 24 Hours Production Per 24 Hours Production Per 24 Hours Production Production Production Production Production Production Production Per 24 Hours Production Prod			_								
Surface Pipe 12-1/4" 8-5/8" 23 # 311' Common 300 sx 3% cc 2% gel		Size Hole	···		· · · · · · · · · · · · · · · · · · ·		T		# O1-		
Production Pipe 7-7/8" 5-1/2' 1505# 3599' Standard 150 sx 1/4# Flocele ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose:		Drilled	Set		Lbs.						
ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose:		pe 12-1/4" 8-5/8"				mu.	311'	Common	300 sx	3% c	c 2% gel
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid NE 15% 3000 Gal Same KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size 2-3/8" Set At None Per 24 Hours Production Per 24 Hours Depth Type of Cement #Sacks Used Type and Percent Additives Left Use Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid NE 15% 3000 Gal Same CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size Set At None Per 24 Hours Per 24 Hours Per 24 Hours Type and Percent Additives Left User Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Left User Squeeze Record (Amount and Kind of Material Used) Depth Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Production Pip	e 7-7/8"	5-1/2'		1505#		3599'	Standard	150 sx	1/4#	Flocele
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid NE 15% 3000 Gal Same KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHITA, KS TUBING RECORD Size 2-3/8" Set At None Depth Type of Cement #Sacks Used Type and Percent Additives Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid NE 15% 3000 Gal Same CONSERVATION DIVISION WICHITA, KS TUBING RECORD Size 3460' None Per 24 Hours Production Per 24 Hours Gas Mcf Water Bbls. Gas-Oil Ratio Gravity											
Perforate Protect Casing Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Acid NE 15% 3000 Gal Same KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size Set At 2-3/8" 3460' None Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Per 24 Hours Gas Mcf Water Bbls. Gas Oil Ratio Gravity			1	ADDITIONAL	CEMENTI	VG / SQI	JEEZE RECOR	ID .			
Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 4 3366' to 3406' RECEIVED KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHITA, KS TUBING RECORD Size 2-3/8" 3460' None Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	Perforate Protect Casing Plug Back TD	Top Bottom	Type	of Cement	#Sacks	Used		Type and F	Percent Additive	S	
Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 4 3366' to 3406' RECEIVED KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHITA, KS TUBING RECORD Size 2-3/8" 3460' None Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	Shots Per Foot	PERFORATI	ION RECORD) - Bridge Pluc	is Set/Type	***************************************	Acid. Fr	acture Shot Cemen	t Squeeze Reco	rd	
RECEIVED KANSAS CORPORATION COMMISSION MAR 0 7 2006 CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size Set At Packer At Liner Run 2-3/8" 3460' None		Specify	Footage of Ea	ach Interval Per	forated		(F	Amount and Kind of Ma	aterial Used)		1
CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size Set At Packer At 2-3/8" 3460' None Yes V No Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	4		KANSASOO	RECEIVE	D		Acid NE 15	5% 3000 Gal			Same
CONSERVATION DIVISION WICHTA, KS TUBING RECORD Size Set At Packer At None Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity						ON					
TUBING RECORD Size Set At Packer At None Yes No Date of First, Resumerd Production, SWD or Enhr. SI Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity				;							
2-3/8" 3460' None			CONS	ervation di Wi chita, ks	VISION	***************************************				**	
SI	1			1		t	Liner Run	☐ Yes	****		1
Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours	1	rd Production, SWD or E	Enhr.	Producing Met	hod	Flowing	g 🗹 Pump	ning Gas Lif	t Oth	өг <i>(Explair</i>	 n)
Disposition of Gas METHOD OF COMPLETION Production Interval			1		Mcf		er E	Bbls. G			•
	Disposition of Gas					IN/A	Production Inte	erval		11	IAL
Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled CONFIDER 2006		Used on Lease	[_	Perf.				CONF	DEIA,	допо
(If vented, Submit ACO-18.) Other (Specify)	(If vented, Su	ıbmit ACO-18.)	[Other (Special	fy)				414	BOL	

CONFIDENTIAL MAR N 7 2006 KCC



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

> PO Box 399 Garden City KS 67846-0399

ATTN: Steve Murphy

23-20s-13w Barton KS

Shartz #1-23

Start Date: 2006.01.25 @ 01:34:07 End Date: 2006.01.25 @ 09:22:52 Job Ticket #: 24329

DST#: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



DRILL STEM TEST REPORT

American Warrior

Shartz #1-23

PO Box 399

23-20s-13w Barton KS

Garden City KS 67846-0399

ft (KB)

Job Ticket: 24329

DST#:1

ATTN: Steve Murphy

Test Start: 2006.01.25 @ 01:34:07

GENERAL INFORMATION:

Time Test Ended: 09:22:52

Formation:

Kansas City "H&I"

Deviated:

Whipstock:

Conventional Bottom Hole Test Type:

Time Tool Opened: 04:29:52

Tester: Jake Fahrenbruch

Unit No: 30

1877.00 ft (KB)

Interval: Total Depth: 3350.00 ft (KB) To 3400.00 ft (KB) (TVD)

Reference Bevations:

1869.00 ft (CF)

Hole Diameter:

3400.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 6668

Press@RunDepth:

Inside

121.00 psig @

3351.00 ft (KB)

Capacity:

7000.00 psig

Start Date: Start Time: 2006.01.25 01:34:08

End Date: End Time:

2006.01.25 09:22:52

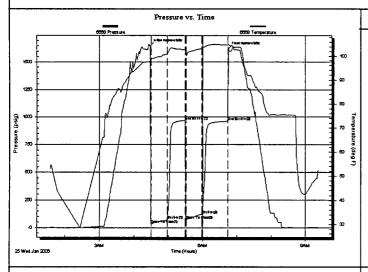
Last Calib.:

2006.01.25

Time On Btm: Time Off Btm: 2006.01.25 @ 04:28:07 2006.01.25 @ 06:44:52

TEST COMMENT: IF: Strong blow building to BOB in 38 seconds. GTS 25 minutes.

ISI: Bled off, blow back building to 2". FF: Strong blow BOB 10 seconds. FSI: Bled off, blow back building to 3".



PRESSURE SUMMARY

	• '	C COMMON (1 C)	
Time	Pressure	Temp	Annotation
(Mn.)	(psig)	(deg F)	
0	1652.98	97.59	Initial Hydro-static
2	31.67	98.82	Open To Flow (1)
31	72.12	101.06	Shut-In(1)
62	969.09	102.81	End Shut-In(1)
63	71.99	100.14	Open To Flow (2)
91	121.00	103.25	Shut-In(2)
136	961.47	104.84	End Shut-In(2)
137	1627.12	105.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
94.00	Free Oil 100%o	1.32
63.00	SLWQMCO 2%w 20%m78%o	0.88
63.00	SLWCMCO 2%w 25%m73%o	0.88
63.00	HGCOM 45%g25%o30%m	0.88
0.00	Gravity= 42.5 @ 60 deg F.	0.00

Gas Rates

	Chake (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	8.50	8.57
Max. Gas Rate	0.13	8.50	8.57



DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Shartz #1-23

PO Box 399

23-20s-13w Barton KS

Garden City KS 67846-0399

Job Ticket: 24329

DST#: 1

ATTN: Steve Murphy

Test Start: 2006.01.25 @ 01:34:07

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3349.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 46.98 bbl 0.00 bbi

Tool Weight:

2100.00 lb

Drill Collar:

Length:

0.00 ft Diameter: 0.00 ft Diameter:

0.00 inches Volume: Total Volume:

0.00 bbl 46.98 bbl Weight set on Packer: 20000.00 lb Weight to Pull Loose: 54000.00 lb

Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer:

26.00 ft 3350.00 ft

ft

String Weight: Initial 45000.00 lb Final 45000.00 lb

Interval between Packers: Tool Length:

50.00 ft 77.00 ft

2 Diameter:

6.75 inches

Number of Packers:

Tool Comments: GTS 25 min into IFP

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3328.00		
Hydraulic tool	5.00			3333.00		
Jars	5.00			3338.00		
Safety Joint	2.00			3340.00		
Packer	5.00			3345.00	27.00	Bottom Of Top Packer
Packer	5.00			3350.00	·	
Stubb	1.00			3351.00		
Recorder	0.00	6668	Inside	3351.00		
Perforations	14.00			3365.00		
Blank Spacing	32.00			3397.00		
Recorder	0.00	13266	Outside	3397.00		
Bullnose	3.00			3400.00	50.00	Bottom Packers & Anchor
Total Tool Lancet	. 77.00					

Total Tool Length:

77.00



DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Shartz #1-23

PO Box 399

23-20s-13w Barton KS

Garden City KS 67846-0399

Job Ticket: 24329

DST#: 1

ATTN: Steve Murphy

Test Start: 2006.01.25 @ 01:34:07

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg API

Mud Weight: Viscosity:

44.00 sec/qt

Cushion Volume:

ft bbl Water Salinity:

Water Loss:

8.79 in³

Gas Cushion Type:

ppm

Resistivity:

ohmm

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 5500.00 ppm 0.04 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
94.00	Free Oil 100%o	1.319
63.00	SLWCMCO 2%w 20%m78%o	0.884
63.00	SLWCMCO 2%w 25%m73%o	0.884
63.00	HGCOM 45%g25%o30%m	0.884
0.00	Gravity= 42.5 @ 60 deg F.	0.000

Total Length:

283.00 ft

Total Volume:

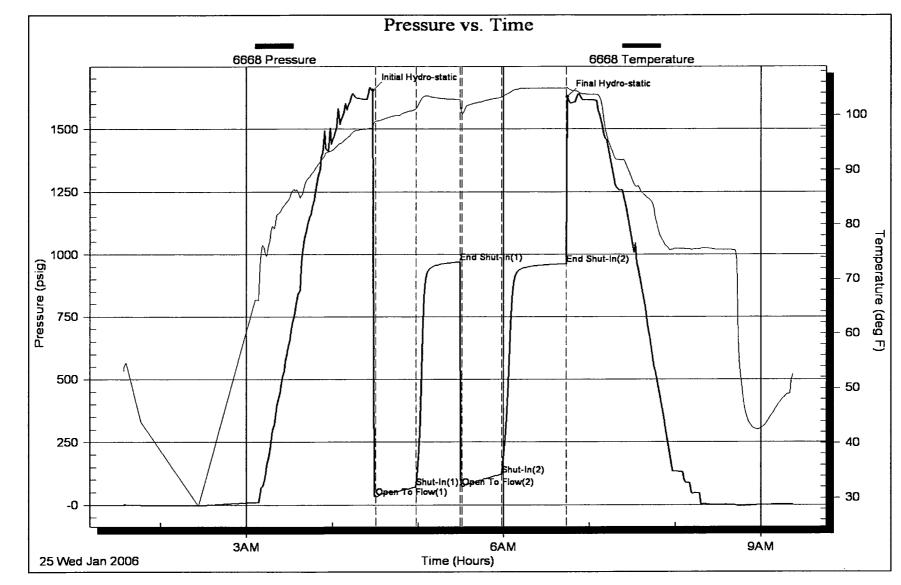
3.971 bbl

Num Fluid Samples: 1 Laboratory Name: Caraway Num Gas Bombs: 0

Laboratory Location: Liberal, KS

Serial #:

Recovery Comments:



CONFIDENTIAN

MAR 1/7 2000

KCC

Steven P. Murphy, PG American Warrior, Inc. P.O. Box 399 Garden City, KS 67846

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

Schartz #1-23 1910 FSL – 1940 FWL Section 23-T20S-R12W Barton County, Kansas OPERATOR:

AMERICAN WARRIOR, INC.

WELL:

SCHARTZ #1-23

API NUMBER:

15-009-24896-00-00

LOCATION:

1910 FSL - 1940 FWL

23-T20S-R12W

BARTON COUNTY, KS

WELLSITE:

IRRIGATED STUBBLE

COMMENCED:

JANUARY 19, 2005

COMPLETED:

JANUARY 26, 2005

ELEVATIONS:

1869' G.L. 1877' K.B.

TOTAL DEPTH:

3600' (DRILLER) 3600' (LOG)

CASING:

SURFACE: 8 5/8" @ 311'

PRODUCTION: 5 1/2" @ 3598'

SAMPLES:

10' FROM 2800' TO T.D.

DRILL STEM TESTS:

ONE (1) BY TRILOBITE TESTING, INC.

LOGS

COMPENSATED NEUTRON DENSITY,

SONIC, MICROLOG & DUAL INDUCTION BY LOG-TECH

DRILLING CONTRACTOR:

DUKE RIG #8

REMARKS:

GEOLOGICAL SUPERVISION FROM

3000' TO T.D.

FORMATION TOPS	LOG	Nearest Comparison Well F&M Schartz "D" #1 C NE SE SW, 23-T20S-R13W
Anhydrite	710 (+1167)	7' low
B. Anhydrite	732 (+1145)	Not called
Topeka	2757 (-880)	Not called
Heebner	3105 (-1228)	2' low
Brown Lime(latan)	3223 (-1346)	2' low
Lansing	3236 (-1359)	flat
BKC	3472 (-1595)	flat
Arbuckle	3510 (-1633)	4' low

. .#**

SAMPLE DESCRIPTIONS/SHOWS (Log Measurements)

LANSING-KANSAS CITY

3260-3273: (B Zone) Limestone; cream-tan, fine crystalline, oolitic/oolicastic, poor-fair vugular porosity, very slight show of free oil, trace of stain, fair odor. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

3276-3279: (C Zone) Limestone; cream, fine crystalline, mostly dense, good vugular porosity, slight show of free oil, trace of stain, fair odor. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

3281-3295: (D Zone) Limestone; cream, fine crystalline, mostly dense, trace of intercrystalline porosity, no show of free oil, trace of edge stain. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

3298-3301: (E Zone): Limestone; white-tan, fine crystalline, oolitic, mostly tight, small amount with fair intercrystalline porosity, very slight show of free oil stain, fair odor. Log shows this zone to be tight, not worthy of further testing.

3284-3303: (F Zone) Limestone; cream-brown, fine crystalline, oolitic, scattered fair vugular porosity, fair-good show of free oil/stain, fair odor. Log shows this zone to be tight, not worthy of further testing.

3308-3355: (G Zone) Limestone; tan, fine crystalline, oolicastic, good vugular porosity, slight show of free oil/stain, strong odor. (38 units hotwire). Perforate 3320-3326 before abandonment.

DST #1: 3350-3400 (30-30-30-45)

IF: Strong blow, BOB in 38 seconds, GTS in 25 minutes.

ISI: Bled off, blow back building to 2 inches.

FF: Strong blow, BOB in 10 seconds.

FSI: Bled off, blow back building to 3 inches.

Gas Rates Table

Flow Period	Elapsed Time	Choke	Gas Rate (Mcf/d)
1	30	0.13	7.26
1	30	0.13	7.26
2	10	0.13	7.82
2	20	0.13	8.2
2	30	0.13	8.57

Recovered: 94 feet of clean gassy oil (42.5 gravity).

63 feet of slightly water & mud cut oil (78% oil, 2% water, 20% mud)

63 feet of slightly water & mud cut oil (73% oil, 2% water, 25% mud)

63 feet gas cut oily mud (45% gas, 25% oil, 30% mud)

Total fluid recovery - 3.96 bbls

IHP: 1653 IFP: 32-72 ISIP: 969 FFP: 72-121 FSIP: 961 FHP: 1627

BHT: Not recorded

33665-3380: (H Zone) Limestone; white-cream, oolicastic, fair-good vugular porosity, slight show of free oil, /stain, gas bubbles on break, good odor. (120 units hotwire). This zone appears to be a gas and oil zone. Perforate 3366-3372. (Covered in DST #1).

3388-3420: (I Zone) Limestone; white-cream, oolitic/oolicastic, fair-good intercrystalline & vugular porosity, slight to fair show of free oil/stain, good-strong odor. (30 units hotwire). Perforate 3400-3406. (Partially covered in DST #1).

3424-3442: (J Zone) Limestone; tan, colicastic, fair vugular porosity, fair show of free oil, saturated stain, fair odor. (200 units hotwire). Perforate 3423-3428.

3452-3461: (K Zone) Limestone; cream-tan, oolicastic, mostly dense, trace of fair vugular porosity, slight show of free oil/stain, fair odor. (Gas detector down). Perforate 3452-3456.

3468-3472: (L Zone) Limestone; cream, fine crystalline, poor- fair vugular porosity, slight show of free oil/stain, fair odor. (Gas detector down). Perforate 3468-3472 before abandonment.

ARBUCKLE

3510-3530: Dolomite, tan-light brown, medium-coarse crystalline to sucrosic with depth, good intercrystalline & pinpoint porosity, fair-good show of free oil, strong odor (Gas detector down). Perforate 3512-3518.

3530-3560: Dolomite, light brown, sucrosic, good pinpoint porosity, good show of free oil, saturated stain, strong odor. Perforate 3545-3550.

SUMMARY AND RECOMMENDATIONS

Based on the results of DST #1 and sample & log analysis, it was recommended that casing be set for production. Sample and log analysis indicated that the Lansing-Kansas City H, I, & J Zones, as well as the Arbuckle, should be productive. The Arbuckle should initially be perforated from 3545-3550. If water production is too high, perforate from 3512-3518.

Respectfully submitted,

Steven P. Murphy, P.G. (Kansas License #228)



Nick Korbe

APPROVAL

SWIFT OPERATOR

ADDRESS POBOX 399'

JICKET 9633

Thank You!

	vices,	inc.	_	CITY, STATE,	ZIP CO	en City	KS. 6	7846						PAG	E 1	OF . 7	•
SERVICE LOCATIONS 1. Hay & Ks. 2. Ness City 3.	, K s	SERVICE SALES). 93 Intract	TOR Dak	٠.	14R+2- #g	COUNTY/PARISH BARTON RIG NAME/NO.	/	SHIPPED VIA	DELIVERED T	fie.	bens 1	OR	7-26-06 RDER NO.	1	NER Scinning	
4. REFERRAL LOCATION		WELL TYPE INVOICE INSTRUCT	<u>` </u>	1.	_		urpose eement Line	gstrin	ÿ	WELL PERMIT	r NO.	· - · · · · · · · · · · · · · · · ·	WE	ELL LOCATION			
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START OF WORK OR DE	LIVERY OF COODS		•	7		P.O. BO		AND PEI CALCUL SATISFA	RATED IH RFORMED ATIONS CTORILY?	E EQUIPMENT JOB	'			Barto TAX 6.55%	70	251	1 1 24
DATE SIGNED	1-26-06	ME SIGNED)	A.M.	†	NESS CITY 785-79	, KS 67560 8-2300		JSATISFIE	D WITH OUR PES	· · · · · · · · ·	□ NO		TOTAL		63.29	1 194
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PO Box 466 Ness City KS 67560

TICKET CONTINUATION

ПСКЕТ 9633

Service		Off: 785-79	8-2300	CUSTOMER AMERICAN WONFION I	The WELL Schar	+2 1-23	DATE 1-26-06	PAGE OF
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IRT D.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
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ALLIED CEMENTING CO., INC. 24756

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	CONFIDENTIAL RVICE POINT:					
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