



KANSAS CORPORATION COMMISSION 1048356  
OIL & GAS CONSERVATION DIVISION

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 # 4058  
Name: American Warrior, Inc.  
Address 1: 3118 Cummings Rd  
Address 2: PO BOX 399  
City: GARDEN CITY State: KS Zip: 67846 +  
Contact Person: Scott Cosari  
Phone: ( 785 ) 398-2270  
CONTRACTOR: License # 31548  
Name: Discovery Drilling  
Wellsite Geologist: Jason Alm  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
06/10/2010    06/17/2010    06/17/2010  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-135-25075-00-00  
Spot Description: \_\_\_\_\_  
NE SW SW SE Sec. 30 Twp. 18 S. R. 21  East  West  
335 Feet from  North /  South Line of Section  
2,175 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ness  
Lease Name: Pablo Well #: 1-30  
Field Name: \_\_\_\_\_  
Producing Formation: NA  
Elevation: Ground: 2138 Kelly Bushing: 2146  
Total Depth: 4266 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1404 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: 25000 ppm Fluid volume: 240 bbls  
Dewatering method used: Evaporated  
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**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 12/20/2010



1048356

Operator Name: American Warrior, Inc. Lease Name: Pablo Well #: 1-30  
 Sec. 30 Twp. 18 S. R. 21  East  West County: Ness

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Attached Top Attached Datum Attached
---	---

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	1404	SMD	450	1/4# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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
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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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Pablo 1-30
Doc ID	1048356

Tops

Anhydrite	1393	+753
Heebner	3620	-1474
Lansing	3665	-1519
BKC	3986	-1840
Pawnee	4066	-1920
Ft. Scott	4145	-1999
Cherokee	4165	-2019
Mississippian	4240	-2094
RTD	4266	-2120



CHARGE TO:  
**American Woodrow Tax**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
**18558**

PAGE **1** OF **1**

1. SERVICE LOCATIONS <b>Ness City, KS</b>	WELL/PROJECT NO. <b>1-30</b>	LEASE <b>PABLO</b>	COUNTY/PARISH <b>Ness</b>	STATE <b>Ks</b>	CITY	DATE <b>6-12-10</b>	OWNER <b>SMP</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DISCOVERY DRILL "3"</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.	
3.	WELL TYPE <b>Oil</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>8 5/8" SURFACE</b>	WELL PERMIT NO.		WELL LOCATION <b>BAZENE, KS - 1/2 E, N.W</b>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
-575		1			MILEAGE # 110	20		ME		5.00	100.00
5760		1			PUMP CHARGE - DEED SURFACE	1		JOB	1104 FT	1100.00	1100.00
221		1			LIGUM KCL	2		Gal		25.00	50.00
281		1			MUDFLUSH	500		Gal		1.00	500.00
330		1			SWIFT MUD. DENSITY STANDARD	450		SKS		15.00	6750.00
276		1			FLOCELE	115		LBS		1.50	172.50
290		1			D-ADD	4		Gal		35.00	140.00
581		1			SERVICE CHARGE COMPT.	450		SKS		1.50	675.00
583		1			DRAVCE	4493.5		LBS	1149.35 TM	1.00	4493.5
409		1			TURBOLIZERS	4		EA	8 5/8"	90.00	360.00
410		1			TOP PLUG	1		EA		100.00	100.00
-112		1			BAFFLE PLATE	1		EA		100.00	100.00

**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

*[Signature]*  
 DATE SIGNED **6-12-10** TIME SIGNED **1:00**  
 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	<b>10496</b>	<b>85</b>
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?				TAX		
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

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

SWIFT OPERATOR  
*[Signature]*  
 APPROVAL

**Thank You!**

JOB LOG

SWIFT Services, Inc.

DATE 6-12-10 PAGE NO. 7

CUSTOMER AMERICAN WARRIOR INC WELL NO. 1-30 LEASE PABLO JOB TYPE 8 5/8" SURFACE TICKET NO. 18553

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1545							ON LOCATION
	1600							START 8 5/8" CASING IN WELL
								TD- 1404' SET @ 1404
								TP- 1404' 8 5/8" # 23
								ST- 42'
								CENTRALIZERS - 1, 3, 8, 28
	1710							BREAK CIRCULATION
	1730	6 1/2	12		✓		300	PUMP 500 GAL MUD FLUSH
	1732	6 1/2	20		✓		300	PUMP 20 BBLS KCL-FLUSH
	1740	6 1/4	47		✓		250	MIX CEMENT - 100 SKS @ 11.8 PPG
		6 1/4	62		✓			150 SKS @ 12.2 PPG
		6 1/4	34		✓			100 SKS @ 13.0 PPG
		6	26		✓		150	100 SKS @ 14.5 PPG
	1814							RELEASE PLUG
	1815	7	0		✓			DISPLACE PLUG
	1828	6 1/2	87.2				550	PLUG DOWN - SHUT IN
								CIRCULATED 45 SKS CEMENT TO SET
								WASH TRUCK
	1930							JOB COMPLETE
								THANK YOU
								WAYNE ROGER B., ROB



CHARGE TO: American Warrior Inc  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
 18537

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City KS WELL/PROJECT NO: 1-30 LEASE: Rabito COUNTY/PARISH: Ness STATE: KS CITY: Ness City DATE: 6-17-10 OWNER:  
 2. TICKET TYPE: Service CONTRACTOR: Discovery Drilling Co. RIG NAME/NO: 3 SHIPPED VIA: Basic DELIVERED TO: Basic ORDER NO.:  
 3. WELL TYPE: Oil WELL CATEGORY: Abandon JOB PURPOSE: Plug to Abandon WELL PERMIT NO.: WELL LOCATION: Basic Es. de Ninto  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE Trk #114	20	mi			5.00	100.00
576P		1			Pump Charge PTA	1	ea			750.00	750.00
581		1			Service Charge Cement	170	sk			1.50	255.00
582		1			Minimum Drayage Charge	1	ea			250.00	250.00
328-4		1			60/40 Pozmix 41 Gel	170	sk			9.75	1657.50
276		1			Floccle	45	lbs			1.50	67.50
290		1			D-Air	2	gal			35.00	70.00

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  
 x Don Lacher  
 DATE SIGNED: 6-17-10 TIME SIGNED: 0500

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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3150.00
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TAX
<input type="checkbox"/> 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 invoice.  
 SWIFT OPERATOR: Bruff Co. APPROVAL: Bruff Co.  
 Thank You!



# **Geological Report**

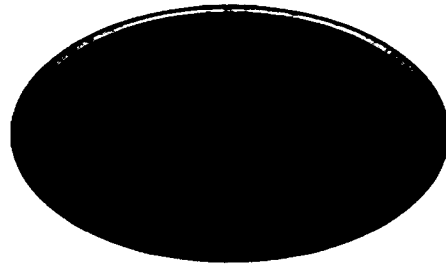
American Warrior, Inc.

**Pablo #1-30**

335' FSL & 2175' FEL

Sec. 30 T18s R21w

Ness County, Kansas



**American Warrior, Inc.**



## General Data

Well Data: American Warrior, Inc.  
Pablo #1-30  
335' FSL & 2175' FEL  
Sec. 30 T18s R21w  
Ness County, Kansas  
API # 15-135-25075-0000

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

Geologist: Jason Alm

Spud Date: June 10, 2010

Completion Date: June 17, 2010

Elevation: 2138' Ground Level  
2146' Kelly Bushing

Directions: Bazine KS, 1/4 mi. East on Hwy 96, North into location.

Casing: 1404' 8 5/8" surface casing

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

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Brian Fairbank"

Problems: None

Remarks: None

## Formation Tops

	American Warrior, Inc.
	Pablo #1-30
	Sec. 30 T18s R21w
	335' FSL & 2175' FEL
<b>Formation</b>	
Anhydrite	1393', +753
Base	1427', +719
Heebner	3620', -1474
Lansing	3665', -1519
BKc	3986', -1840
Pawnee	4066', -1920
Fort Scott	4145', -1999
Cherokee	4165', -2019
Mississippian	4240', -2094
Osage	4258', -2112
RTD	4266', -2120

## Sample Zone Descriptions

### Mississippian Osage (4258', -2112): Covered in DST #1

Dolo - Δ - Fine sucrosic crystalline with good inter-crystalline porosity, heavy chert, triptolitic, heavily weathered with good vuggy porosity, light scattered oil stain in porosity, no show of free oil, very light odor, light scattered cut fluorescents.

**Drill Stem Tests**  
 Trilobite Testing, Inc.  
 "Brian Fairbank"

**DST #1**

**Mississippian Osage**

Interval (4201' - 4266') Anchor Length 55'

IHP	- 2159 #	
IFP	- 30" - Built to 9.5 in.	53-106 #
ISI	- 30" - Dead	1328 #
FFP	- 30" - Built to 9 in.	117-166 #
FSI	- 30" - Dead	1326 #
FHP	- 2095 #	
BHT	- 119°F	

Recovery: 130' Mud  
 150' MW

Chlorides: 20K ppm

**Structural Comparison**

<b>Formation</b>	<b>American Warrior, Inc. Pablo #1-30 Sec. 30 T18s R21w 335' FSL &amp; 2175' FEL</b>	<b>American Warrior, Inc. Schniepp #2-31NE Sec. 31 T18s R21w 720' FNL &amp; 760' FEL</b>	<b>American Warrior, Inc. Schniepp #1-31NE Sec. 31 T18s R21w 2150' FNL &amp; 900' FEL</b>
Anhydrite	1393', +753	1369', +756	1375', +756
Base	1427', +719	1404', +721	1409', +722
Heebner	3620', -1474	3596', -1471	3600', -1469
Lansing	3665', -1519	3641', -1516	3646', -1515
BKc	3986', -1840	3962', -1837	3968', -1837
Pawnee	4066', -1920	4041', -1916	4047', -1916
Fort Scott	4145', -1999	4124', -1999	4129', -1998
Cherokee	4165', -2019	4140', -2015	4144', -2013
Mississippian	4240', -2094	4205', -2080	4220', -2089
Osage	4258', -2112	4215', -2090	4233', -2102

(-3)  
 (-2)  
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 (-3)  
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 FL  
 (-4)  
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(-3)  
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 (-1)  
 (-6)  
 (-5)  
 (-10)

## **Summary**

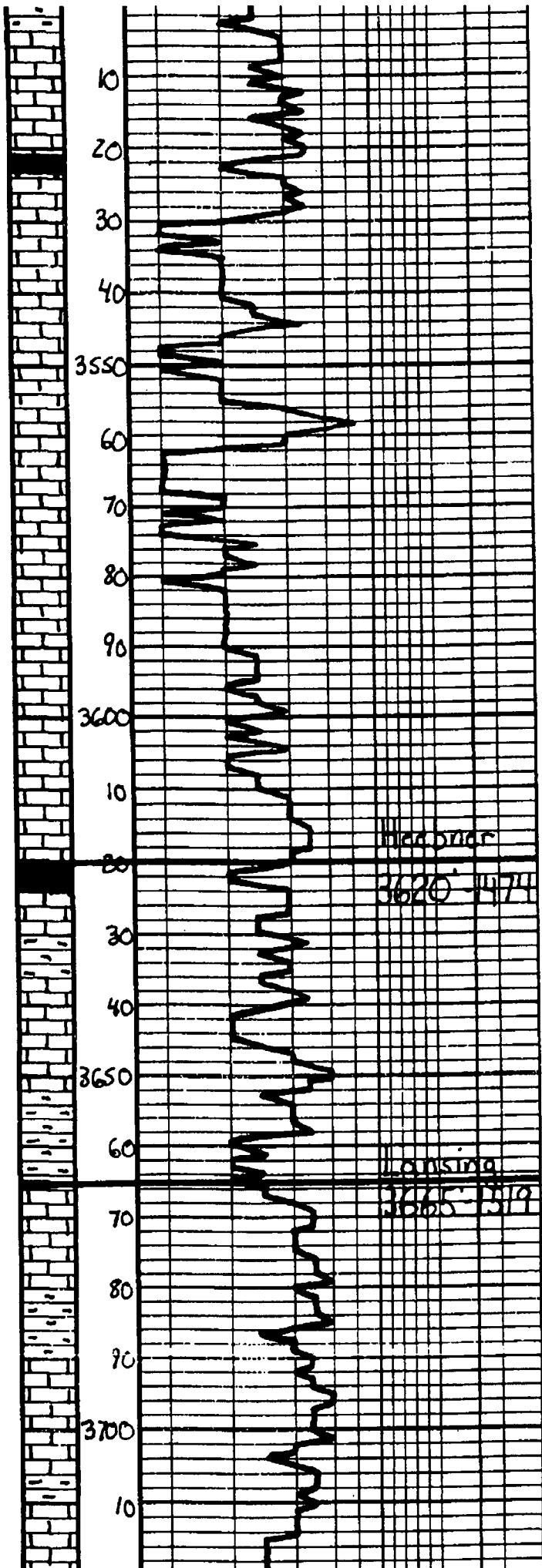
The location for the Pablo #1-30 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered only water from the Mississippian Osage Formation. After all gathered data had examined the decision was made to plug and abandon the Pablo #1-30 well.

Respectfully Submitted,

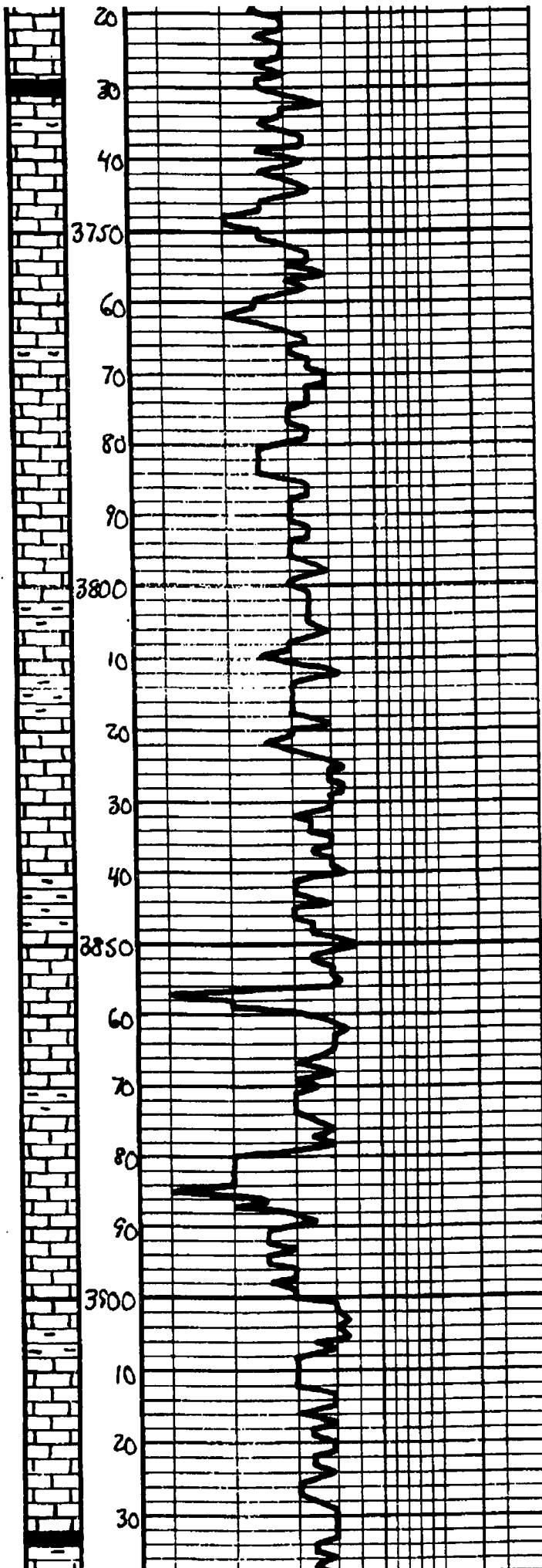
Jason Alm  
Hard Rock Consulting, Inc.







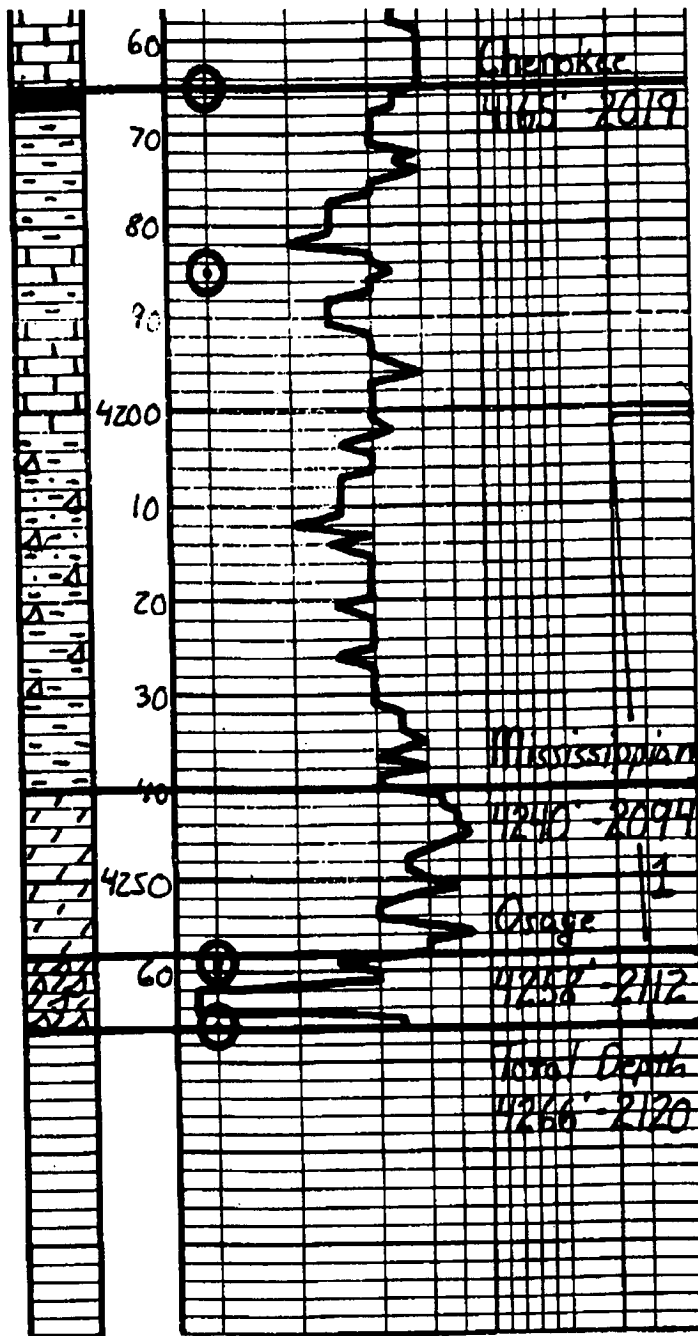
Ls. Tan-Lt. Gray. Mottled. Sub xla. DMS	Gen on location 3:00 p.m. 6-15-2010
Sh. Dk. Gray - Gray	
Ls. Tan-Lt. Gray. St. Mottled. Fossiliferous. Chalky	
Ls. - ala	
Ls. Tan-Lt. Gray. Fossiliferous. Chalky. Barren	
Ls. - ala	
Ls. - ala	
Ls. Tan-Lt. Gray. Fossiliferous. St. Mottled. Fossil. Mostly DMS	
Sh. Blk. Carb.	
Sh. Gray - Ben - Ben	
Ls. Dk. Tan-Lt. Gray. Fossiliferous. Fossiliferous. Fossiliferous. Barren	
Sh. Gray - Ben - Bone "Sily"	
Ls. Tan-Lt. Gray. Fossiliferous. St. Fossiliferous. Fossiliferous. Barren	
Sh. Gray - Ben	
Ls. Tan-Lt. Gray. Fossiliferous. St. Fossiliferous. DMS	
Sh. Gray - Ben	
Ls. Dk. Tan-Lt. Gray. Fossiliferous. Fossiliferous. Fossiliferous	



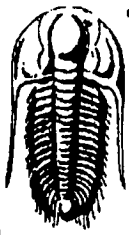
20	Sh - dk grey - blk
30	
40	LS - Tan - Lt grey, Fossiliferous Sh. Fossiliferous with some corals Barren
3750	
60	LS - dk w/ poor fossiliferous Barren
70	Sh - grey - Ben
80	
90	LS - Tan - Lt grey, Fossiliferous Fossiliferous with poor corals Barren
3800	
10	LS - dk, Mostly DNS
20	
30	LS - Off white - Lt grey, Fossiliferous Fossiliferous with Fair corals Barren
40	Sh - grey - Ben
3850	
60	LS - Tan - Lt grey, Fossiliferous Fossiliferous with poor corals Barren
70	
80	LS - dk, Mostly DNS
90	
3900	
10	LS - Off white - Lt grey, Fossiliferous Fossiliferous with PRS (thin) corals Barren
20	
30	LS - Off white - Lt grey, Fossiliferous Mostly DNS
	Sh - grey - Ben
	LS - Tan - Lt grey, Fossiliferous Fossiliferous with pinpoint corals Barren
	LS - dk, Mostly DNS
	Sh - dk grey - blk







Sh. - dk. gray	
Sh. - gray - blue - green	
Ls. - tan - gray - St. Marked. Sublat. DNS	DST #1 Mississippian 4201' - 4266' 30° 30' 30" 30"
Ls. - gray	IH 2155#
Sh. - dk. - Multicolored - dk. yellow - red - brown - blue - green etc. etc.	IF 53-106# Built to 7.5 in.
Sh. - dk. - gray	ISC 1328# Desol
	FF 117-166# Built to 9 in.
Sh. - dk. - gray	FBI 1326# Desol
	FM 2055#
Sh. - gray - blue - green	BHT 119°F
Data - white - dk. gray - tan - sub etc. DNS, St. Marked. Gray	Recovery 130' Incl 150' MW
Data - dk. gray	
Data - dk. gray - dk. gray - dk. gray - etc.	
	Respectfully, Jason H. 6-20-2010



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior  
 PO Box 399  
 Garden City, Ks  
 67846  
 ATTN: Jason Alm

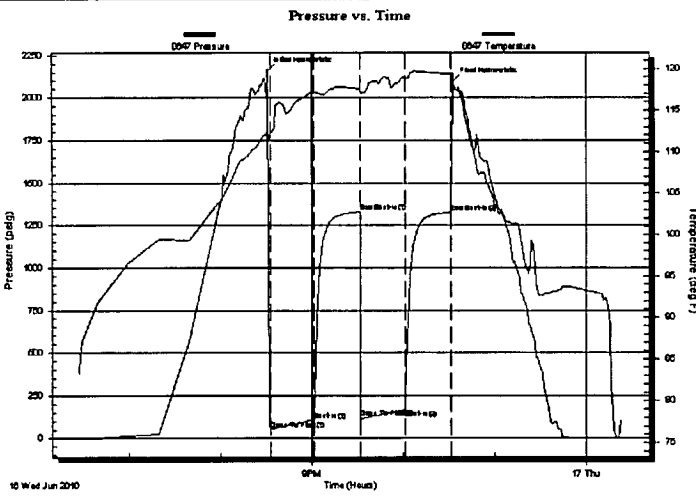
**Pablo #1-30**  
**30-18s-21w/Ness**  
 Job Ticket: 38951      **DST#: 1**  
 Test Start: 2010.06.16 @ 18:27:18

### GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 20:32:43  
 Time Test Ended: 00:23:42  
 Interval: **4201.00 ft (KB) To 4266.00 ft (KB) (TVD)**  
 Total Depth: **4266.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:                      **KB to GR/CF: 8.00 ft**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Brian Fairbank**  
 Unit No: **41**  
 Reference Elevations: **2146.00 ft (KB)**  
**2138.00 ft (CF)**

**Serial #: 8647**      **Inside**  
 Press@RunDepth: **165.60 psig @ 4205.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.06.16**      End Date: **2010.06.17**      Last Calib.: **2010.06.17**  
 Start Time: **18:27:18**      End Time: **00:23:42**      Time On Btm: **2010.06.16 @ 20:31:13**  
 Time Off Btm: **2010.06.16 @ 22:32:43**

**TEST COMMENT:** IFP - weak to strong blow 1" - 9 1/2"  
 ISI - no blow back  
 FFP - weak to good blow 1/4" - 9"  
 FSI - no blow back



### PRESSURE SUMMARY

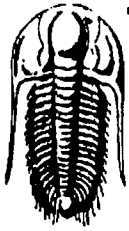
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.40	112.54	Initial Hydro-static
2	52.96	112.32	Open To Flow (1)
30	105.79	117.12	Shut-In(1)
60	1328.49	117.54	End Shut-In(1)
61	117.48	117.15	Open To Flow (2)
90	165.60	118.93	Shut-In(2)
120	1326.63	119.40	End Shut-In(2)
122	2094.82	118.32	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
150.00	MW 20%W, 80%M	1.82
130.00	DRL MUD 100%	1.82

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior

**Pablo #1-30**

PO Box 399  
Garden City, Ks  
67846  
ATTN: Jason Alm

**30-18s-21w/Ness**  
Job Ticket: 38951      **DST#: 1**  
Test Start: 2010.06.16 @ 18:27:18

**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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7900.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
150.00	MW 20%W, 80%M	1.822
130.00	DRL MUD 100%	1.824

Total Length: 280.00 ft      Total Volume: 3.646 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

