



KANSAS CORPORATION COMMISSION 1106020
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: joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Timson
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

<u>11/30/2012</u>	<u>12/08/2012</u>	<u>12/27/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21868-00-00
Spot Description: _____
NE NW SW NW Sec. 33 Twp. 22 S. R. 21 East West
1550 Feet from North / South Line of Section
335 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Hodgeman
Lease Name: Cure Well #: 1-33
Field Name: _____
Producing Formation: Mississippian
Elevation: Ground: 2200 Kelly Bushing: 2210
Total Depth: 4474 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 260 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1308 Feet
If Alternate II completion, cement circulated from: 1308
feet depth to: 0 w/ 130 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 14000 ppm Fluid volume: 40 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: 12/28/2012



1106020

Operator Name: American Warrior, Inc. Lease Name: Cure Well #: 1-33
Sec. 33 Twp. 22 S. R. 21 County: Hodgeman

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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Electric Log Submitted Electronically
List All E. Logs Run:
Radiation Guard
Sonic

CASING RECORD Table with columns: 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 Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, Set/Type, Acid, Fracture, Shot, Cement Squeeze Record, Depth

TUBING RECORD: Size: 2.375 Set At: 4464 Packer At: Liner Run:
Date of First, Resumed Production, SWD or ENHR: 12/28/2012
Producing Method: Flowing, Pumping, Gas Lift, Other
Estimated Production Per 24 Hours: Oil 41 Bbls, Gas 0 Mcf, Water 0 Bbls, Gas-Oil Ratio, Gravity

DISPOSITION OF GAS: Vented, Sold, Used on Lease
METHOD OF COMPLETION: Open Hole, Perf., Dually Comp., Commingled, Other
PRODUCTION INTERVAL: 4459'to 4474

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Cure 1-33
Doc ID	1106020

Tops

Anhy	1346'	+864
B/Anhy	1368	+842
Heebner	3891	-1591
Lansing	3875	-1665
Stark	4119	-1909
B/KC	4232	-2022
Marmaton	4240'	-2030
Ft. Scott	4391'	-2181
Mississippian	4466	-2256

Geological Report

American Warrior, Inc.

Cure #1-33

1550' FNL & 335' FWL

Sec. 33, T22s, R21w

Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Cure #1-33
1550' FNL & 335' FWL
Sec. 33, T22s, R21w
Hodgeman County, Kansas
API # 15-083-21868-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: November 30, 2012

Completion Date: December 8, 2012

Elevation 2199' G.L.
2210' K.B.

Directions: From the NW side of Hanston, KS at the intersection of Hwy 156 & Bazine Rd/228 Rd. Go South on 228 Rd 2.9 miles to M Rd. Go East on M Rd 3.9 miles to 232 Rd. Go North on 232 Rd .7 miles. East into location.

Casing: #23 8 5/8" surface casing @ 260 with 180 sacks Class A, 3% c.c, 2% gel. #15.5 5 1/2" production casing @ 4459 with 125 sacks EA-2. Port collar @ 1308.

Samples: 3750' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer "D. Martin"-Radiation Guard Log & Sonic

Drillstem Tests: One, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Formation Tops

Formation

Anhydrite
 Base
 Heebner
 Douglas
 Lansing
 Stark
 BKC
 Marmaton
 Pawnee
 Fort Scott
 Cherokee
 Mississippian
 RTD

American Warrior, Inc.

Cure #1-33

Sec. 33, T22s, R21w

1550' FNL & 335' FWL

1346' +864

1368' +842

3801' -1591

3827' -1617

3875' -1665

4119' -1909

4232' -2022

4240' -2030

4312' -2102

4391' -2181

4415' -2205

4466' -2256

4474' -2264

Sample Zone Descriptions

Mississippian Osage (4652' -2281) Covered in DST #1

Chert- White. Triptolitic. Scattered pin point vuggy porosity and poor intercrystalline porosity. Tight. Poor stain and no saturation. Poor to absence of odor. 20 Unit gas kick.

Drill Stem Tests
 Trilobite Testing Inc.
 "Ray Schwager"

DST #1

Mississippian Osage

Interval (4431' - 4474') Anchor Length 43'

IHP	- 2187 #	
IFP	- 45" - Weak Blow ½" to 2 ½" blow	22-69 #
ISI	- 45" - No return	1261 #
FFP	- 45" - Weak blow ¼" to 1 ½" blow	81-113 #
FSIP	- 45" - No return	1220 #
FHP	- 2107 #	
BHT	- 117° F	

Recovery: 60' GIP
 30' CO
 124' GMO (10% G, 50% O, 40% M)
 62' OGCM (10% G, 25% O, 65% M)

Structural Comparison

	American Warrior, Inc. Cure #1-33 Sec. 33, T22s, R21w 1550' FNL & 335' FWL		APC Inc. Bauer-Reece #1 Sec. 32, T22s, R21w SE SE NW		Rain and Williamson Oil Co. Cure #1 Sec 33, T22s, R21w C NW NE
Formation					
Heebner	3801' -1591	+2	3835' -1593	-10	3842' -1581
Douglas	3827' -1617	NA	NA	NA	NA
Lansing	3875' -1665	+7	3907' -1672	-6	3917' -1659
Stark	4119' -1909	NA	NA	NA	NA
BKC	4232' -2022	+11	4268' -2033	-1	4282' -2021
Marmaton	4240' -2030	+11	4276' -2041	NA	NA
Pawnee	4312' -2102	+5	4342' -2107	NA	NA
Fort Scott	4391' -2181	+10	4426' -2191	-3	4436' -2178
Cherokee	4415' -2205	+9	4449' -2214	-2	4464' -2203
Miss.	4466' -2256	+5	4496' -2261	-4	4510' -2252

Summary

The location for the Cure #1-33 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted, which recovered commercial quantities of oil from the Mississippian Osage formation. After all gathered data had been examined the decision was made to run 5 ½" production casing to further evaluate the Cure #1-33 well.

Packer Shoe Set at 4468'

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

ALLIED OIL & GAS SERVICES, LLC

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: W. 80th Ave. KS

DATE <u>0-17</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>10:30</u>	JOB FINISH <u>1:30</u>
LEASE <u>11</u>	WELL# <u>1-</u>	LOCATION <u>W. 80th Ave. KS</u>			COUNTY <u>em s</u>	STATE <u>S</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u> </u>	OWNER <u> </u>
TYPE OF JOB <u> </u>	
HOLE SIZE <u>2 1/2</u> T.D. <u> </u>	CEMENT
CASING SIZE <u>5</u> DEPTH <u> </u>	AMOUNT ORDERED <u>5 Co</u>
TUBING SIZE <u> </u> DEPTH <u> </u>	<u>2-1/2" 100'</u>
DRILL PIPE <u>2 1/2</u> DEPTH <u> </u>	
TOOL <u> </u> DEPTH <u> </u>	
PRES. MAX <u> </u> MINIMUM <u> </u>	COMMON <u> </u> @ <u> </u>
MEAS. LINE <u> </u> SHOE JOINT <u> </u>	POZMIX <u> </u> @ <u> </u>
CEMENT LEFT IN CSG. <u> </u>	GEL <u> </u> @ <u> </u>
PERFS. <u> </u>	CHLORIDE <u> </u> @ <u> </u>
DISPLACEMENT <u> </u>	ASC <u> </u> @ <u> </u>

EQUIPMENT

PUMP TRUCK # <u> </u>	CEMENTER <u> </u>	HELPER <u> </u>
BULK TRUCK # <u>2-2</u>	DRIVER <u> </u>	
BULK TRUCK # <u> </u>	DRIVER <u> </u>	

REMARKS:
on site to Air n

CHARGE TO:

STREET

CITY STATE ZIP

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME

SIGNATURE

HANDLING MILEAGE <u> </u>	@ <u> </u>
TOTAL <u> </u>	

SERVICE

DEPTH OF JOB <u> </u>	
PUMP TRUCK CHARGE <u> </u>	
EXTRA FOOTAGE <u> </u>	@ <u> </u>
MILEAGE <u> </u>	@ <u> </u>
MANIFOLD <u> </u>	@ <u> </u>
TOTAL <u> </u>	

PLUG & FLOAT EQUIPMENT

<u> </u>	@ <u> </u>
<u> </u>	@ <u> </u>
<u> </u>	@ <u> </u>
<u> </u>	@ <u> </u>
TOTAL <u> </u>	

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



CHARGE TO: AMERICAN WARRIOR
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET NO. **23778**
 PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>NESS CITY, KS.</u>	WELL PROJECT NO.	LEASE <u>CURE 1-33</u>	COUNTY/PARISH <u>HODGEMAN</u>	STATE <u>KS.</u>	CITY <u>HANSTON KS.</u>	DATE <u>18 DEC 12</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>CO. TOOLS</u>	RIG NAME NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>SIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>CEMENT PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION <u>S. E. 1/4 1/4 SE 200</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575					MILEAGE #115	45	mi	6.00		270.00
576D					PUMP CHANGE	1	hr	1257.00		1257.00
115					PORT COLLAR OPENING TOOL	1	hr	350.00		350.00
276					FLUCEL	33	lbs	2.10		69.30
296					D-AIR	1	gal	35.00		35.00
330					SWIFT MULTIDENSITY	130	lb	16.50		2145.00
531					CEMENT SERVICE CHARGE	175	lb	2.00		350.00
533					DRAYAGE	17384	lb	376.14	mi	391.14

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
 DATE SIGNED 18 DEC 12 TIME SIGNED 1015 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	<u>4857.14</u>
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 WASH 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 18 DEC 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE CURE 1-33

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 23778

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
								PORT COLLAR @ 1308
	0900				✓		1000	TEST - HELD
	0905							OPEN PORT COLLAR
	0912	4 1/2	72	✓		400		MIX 130sx 5111)
		3	4	✓		200		DISPLACE CEMENT
								CIRCULATE 200sx TO PTI
	0931				✓		1000	CLOSE PORT COLLAR - TEST - HELD
	0935							RUN 4 JTS.
	0941	4 1/2	19		✓		300	REVERSE CEMENT OUT OF TUBING.
	0950							WASH TRUCK
	1015							JOB COMPLETE.
								THANKS #115
								JASON SEFF FLINT



CHARGE TO: AMERICAN WARRIOR
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
 23716

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>NESS CITY, KS</u>	WELL/PROJECT NO.	LEASE <u>CURE 1-33</u>	COUNTY/PARISH <u>HOUCEMAN</u>	STATE <u>KS.</u>	CITY <u>HAUSTON, KS</u>	DATE <u>7 DEC 12</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DUKE DRILLING RIG 5</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>S² LUNGSTRING</u>	WELL PERMIT NO.	WELL LOCATION <u>S. ENDE 4E 1/2S E INTO</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
575					MILEAGE #115	45	MIL	6.00		270.00
578					PUMP CHARGE		LBS	1500		1500.00
402					CENTRALIZERS	9	EA	70.00		630.00
403					CEMENT BASKETS	2	EA	257.50		500.00
404					PORT COLLAR	1	EA	2400.00	1308 FT.	2400.00
405					FORMATION TACKERS ONLY	1	EA	1400.00		1400.00
406					LATCH/DOWN PLUG & BAFFLE	1	EA	257.50		257.50
231					MUD FLUSH	500	GAL	0.125		625.00
221					LUBRICANT	2	GAL	25.00		50.00

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 [Signature]
 DATE SIGNED 1 DEC 12 TIME SIGNED 1430 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	7625.00 4686.15
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					12311.15
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					



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 23716

CUSTOMER AMERICAN WARRIOR WELL CURE 1-33 DATE 7 DEC 12 PAGE 21 OF 2

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY	UNIT		
276					FLUXE	44	lbs	21 ⁰⁰	881 ⁰⁰
233					SALT	900	lbs	18 ⁰⁰	1800 ⁰⁰
234					CALCAL	8	lbs	35 ⁰⁰	280 ⁰⁰
					HALAD 322	124	lbs	7 ²⁵	910 ⁰⁰
290					D-AIR	1 1/2	gal	35 ⁰⁰	52 ⁵⁰
325					STANDARD CEMENT EA 2	175	sq	13 ⁵⁰	2362 ⁵⁰
531					SERVICE CHARGE		CUBIC FEET	21 ⁰⁰	350 ⁰⁰
533					MILEAGE CHARGE	183	YD	1 ⁰⁰	412 ¹⁵

CONTINUATION TOTAL 4686¹⁵

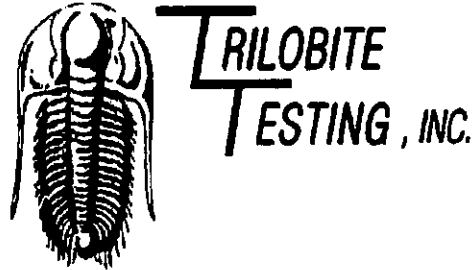
JOB LOG

SWIFT Services, Inc.

DATE 7 DEC 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE CURE 1-33 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 23716

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							ON LOCATION
	1115							START PIPE 5 1/2 - 15.5 @ RIDE 4474 LTD 4476 SHOET. 21.08' SET 8' OFF BOTTOM CENTRALIZERS 1,2,3,4,5,6,8,10,75 BASKETS 6,76 PORT COLLAR TOP OF 76 @ 1308
	1300						1100	SET PACKERSIDE CIRCULATE.
	1320	6 1/2	12		✓		300	Pump 500 gal MUD FLUSH
		6 1/2	20		✓		300	Pump 20 Bbl KCL FLUSH
	1332		75					PLUG RH/MH (30sx-20sx)
	1335	4 1/2	30		✓			MIX 125 Sx EA2.
	1346							WASH OUT PUMP & LINES.
	1349	6 1/2			✓			START DISPLACING PLUG.
	1406	Ø	106		✓		1500	PLUG DOWN PSI up LATCH PLUG IN
	1408				✓			RELEASE PSI - DRY
	1411							WASH TRUCK
	1430							JOB COMPLETE.
								THANKS #115
								JASON JEFF DOUG



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Cure #1-33

33-22s-21w Hodgeman,KS

Start Date: 2012.12.06 @ 09:35:23

End Date: 2012.12.06 @ 16:41:02

Job Ticket #: 51509 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.07 @ 08:53:40

American Warrior Inc

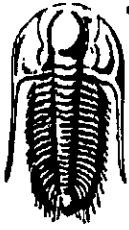
33-22s-21w Hodgeman,KS

Cure #1-33

DST # 1

Miss , Osage

2012.12.06



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Cecil O'Brate

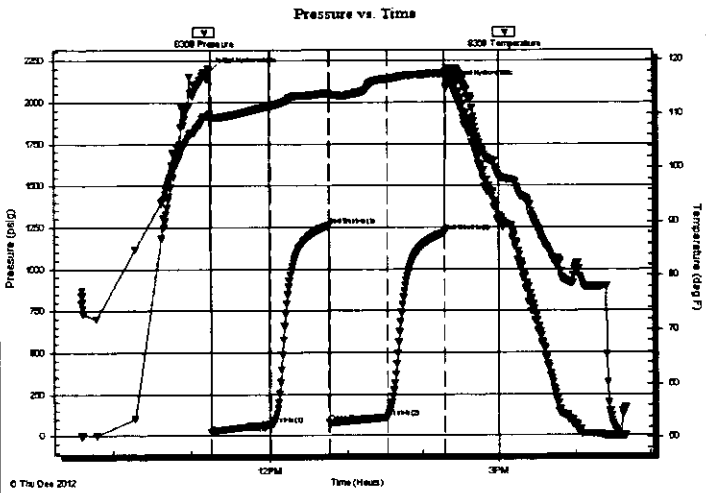
33-22s-21w Hodgeman,KS
Cure #1-33
 Job Ticket: 51509 **DST#: 1**
 Test Start: 2012.12.06 @ 09:35:23

GENERAL INFORMATION:

Formation: **Miss , Osage**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 11:15:48
 Time Test Ended: 16:41:02
 Interval: **4431.00 ft (KB) To 4474.00 ft (KB) (TVD)**
 Total Depth: **4474.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ray Schwager**
 Unit No: **42**
 Reference Elevations: **2210.00 ft (KB)**
2199.00 ft (CF)
 KB to GR/CF: **11.00 ft**

Serial #: 8369 **Inside**
 Press@RunDepth: **113.23 psig @ 4438.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.12.06** End Date: **2012.12.06** Last Calib.: **2012.12.06**
 Start Time: **09:35:23** End Time: **16:41:02** Time On Btm: **2012.12.06 @ 11:15:03**
 Time Off Btm: **2012.12.06 @ 14:21:32**

TEST COMMENT: 45-IFP-w k bl thru-out 1/2" to 2 1/2" bl
 45-ISIP-no bl
 45-FFP-w k bl thru-out 1/4" to 1 1/2" bl
 45-FSIP-no bl



PRESSURE SUMMARY

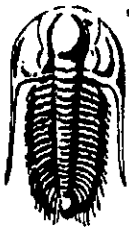
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.32	109.86	Initial Hydro-static
1	22.65	109.24	Open To Flow (1)
46	69.86	111.38	Shut-In(1)
91	1261.66	113.84	End Shut-In(1)
92	81.16	113.50	Open To Flow (2)
137	113.23	116.47	Shut-In(2)
183	1219.68	117.50	End Shut-In(2)
187	2107.25	118.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	O&GCM 10%G25%O65%M	0.30
124.00	GMO 10%G40%M50%O	0.61
30.00	CO	0.15
0.00	60'GIP	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 KS 67846
 ATTN: Cecil O'Brate

33-22s-21w Hodgeman, KS

Cure #1-33

Job Ticket: 51509

DST#: 1

Test Start: 2012.12.06 @ 09:35:23

GENERAL INFORMATION:

Formation: **Miss, Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:15:48

Time Test Ended: 16:41:02

Interval: **4431.00 ft (KB) To 4474.00 ft (KB) (TVD)**

Total Depth: 4474.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2210.00 ft (KB)

2199.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8700

Outside

Press@RunDepth: psig @ 4438.00 ft (KB)

Start Date: 2012.12.06

End Date:

2012.12.06

Capacity: 8000.00 psig

Last Calib.:

2012.12.06

Start Time: 09:40:08

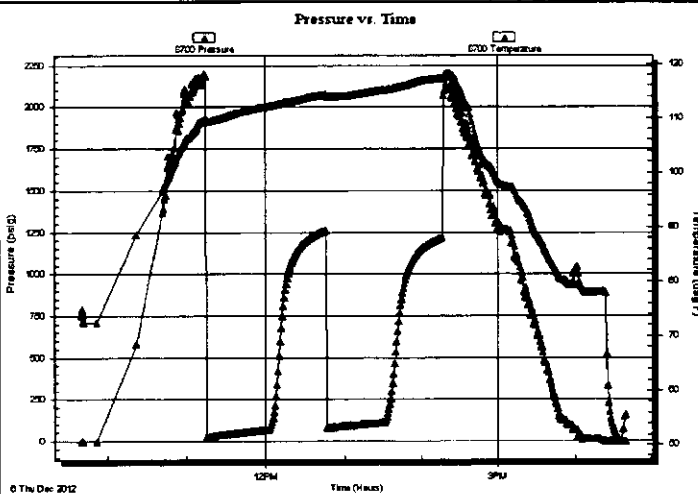
End Time:

16:40:17

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP-w k bl thru-out 1/2" to 2 1/2" bl
 45-ISIP-no bl
 45-FFP-w k bl thru-out 1/4" to 1 1/2" bl
 45-FSIP-no bl



PRESSURE SUMMARY

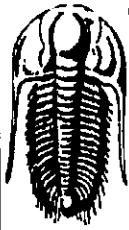
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	O&GCM 10%G25%O65%M	0.30
124.00	GMO 10%G40%M50%O	0.61
30.00	CO	0.15
0.00	60'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Cecil O'Brate

33-22s-21w Hodgeman, KS
Cure #1-33
Job Ticket: 51509 **DST#: 1**
Test Start: 2012.12.06 @ 09:35:23

Tool Information

Drill Pipe:	Length: 4150.00 ft	Diameter: 3.80 inches	Volume: 58.21 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4431.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4404.00	
Shut In Tool	5.00			4409.00	
Hydraulic tool	5.00			4414.00	
Jars	5.00			4419.00	
Safety Joint	2.00			4421.00	
Packer	5.00			4426.00	28.00 Bottom Of Top Packer
Packer	5.00			4431.00	
Stubb	1.00			4432.00	
Perforations	6.00			4438.00	
Recorder	0.00	8369	Inside	4438.00	
Recorder	0.00	8700	Outside	4438.00	
Blank Spacing	33.00			4471.00	
Bullnose	3.00			4474.00	43.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

33-22s-21w Hodgeman,KS

PO Box 399
Garden City KS 67846

Cure #1-33

Job Ticket: 51509

DST#: 1

ATTN: Cecil O'Brate

Test Start: 2012.12.06 @ 09:35:23

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	O&GCM 10%G25%O65%M	0.305
124.00	GMO 10%G40%M50%O	0.610
30.00	CO	0.148
0.00	60'GIP	0.000

Total Length: 216.00 ft

Total Volume: 1.063 bbl

Num Fluid Samples: 0

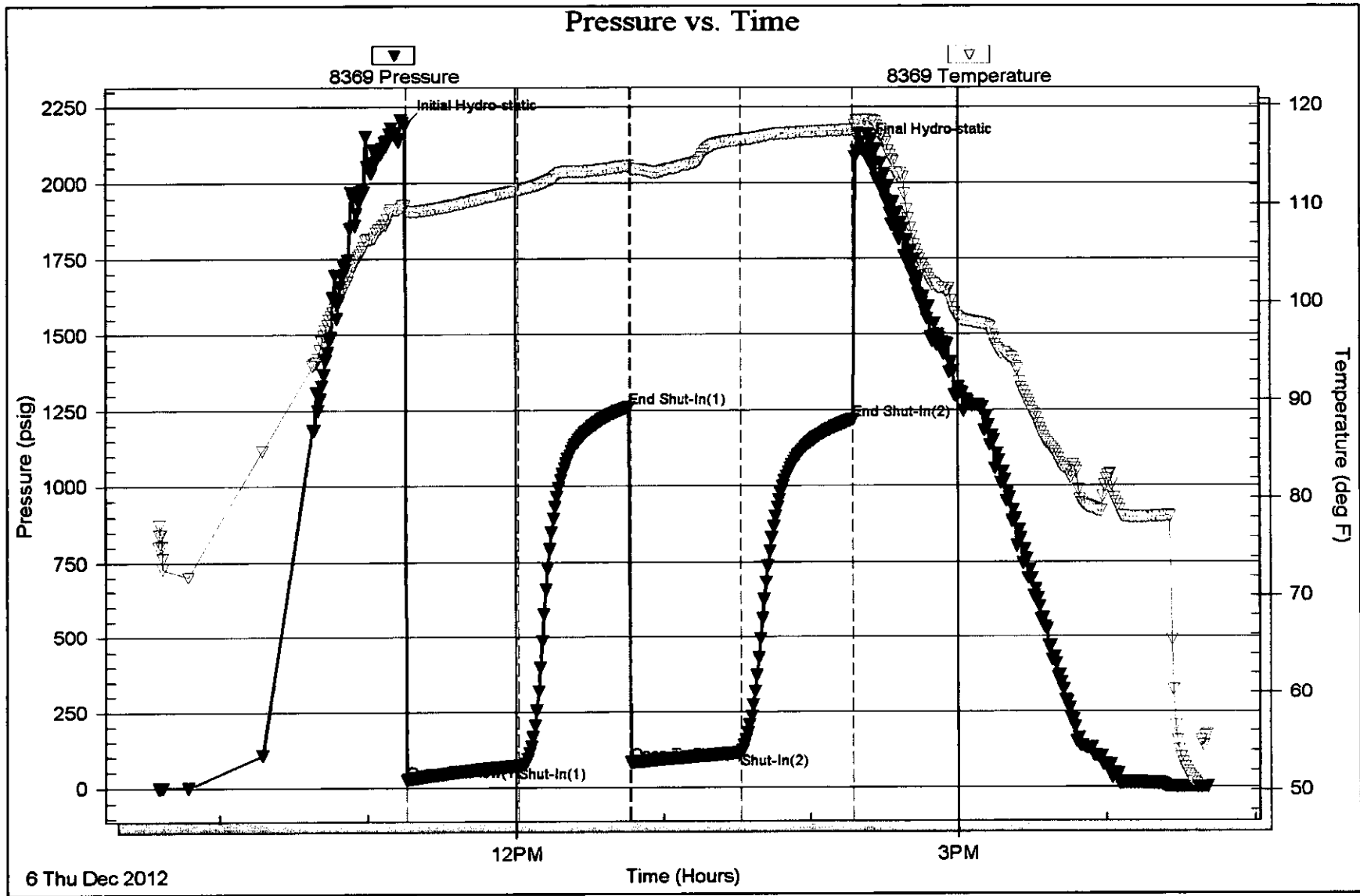
Num Gas Bombs: 0

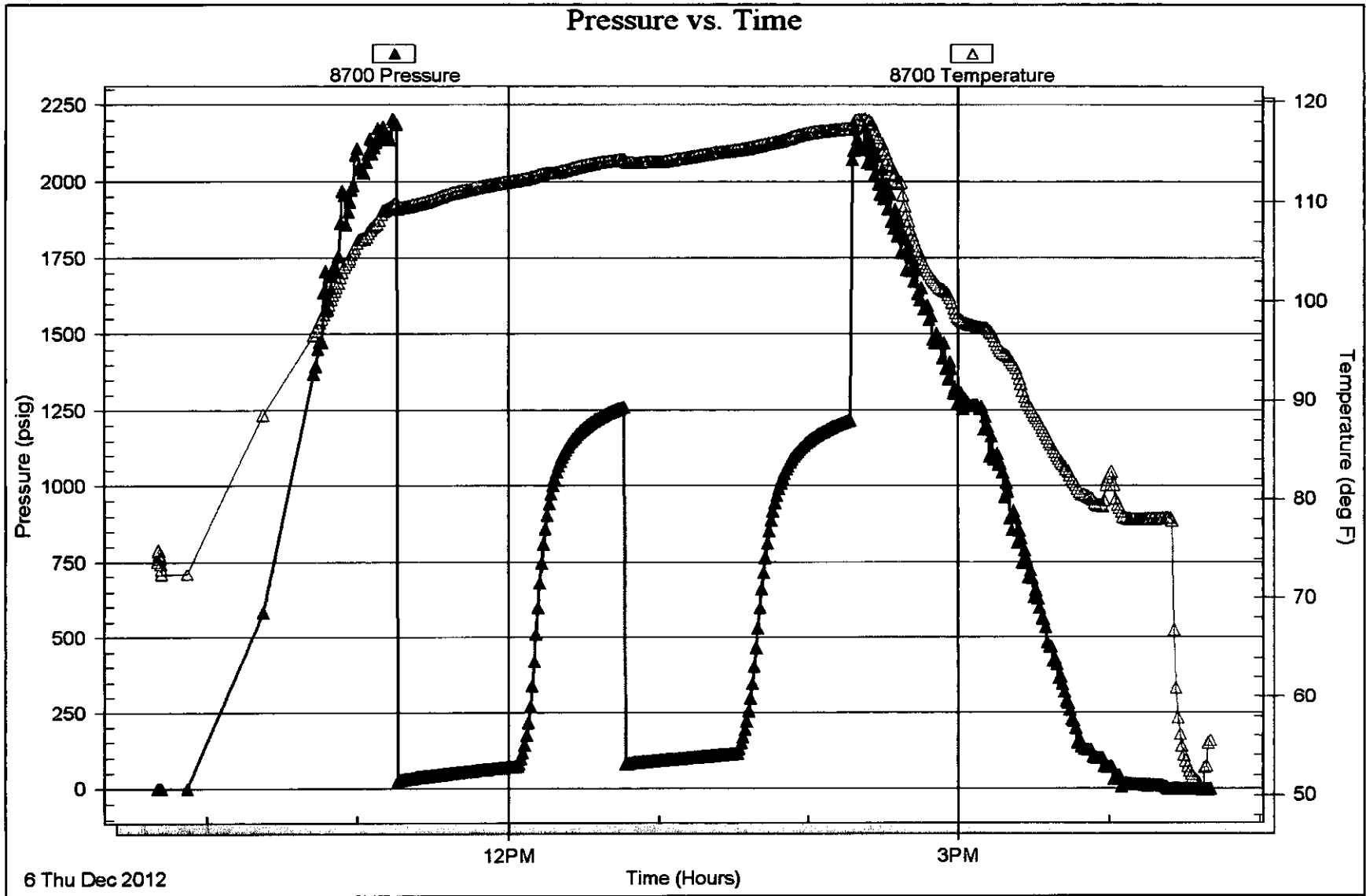
Serial #:

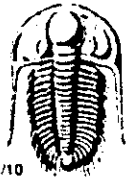
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51509

Well Name & No. Cure #1-33 Test No. 1 Date 12-6-12
 Company American Warrior Inc Elevation 2210 KB 2299 GL
 Address PO Box 399 Garden City, Ko 67846
 Co. Rep / Geo. Kevin Timson Rig Duke rig 5
 Location: Sec. 33 Twp. 22^s Rge. 21^w Co. Hodgeman State Ko

Interval Tested 4431-4474 Zone Tested MISS
 Anchor Length 43 Drill Pipe Run 4150 Mud Wt. 9.2
 Top Packer Depth 4426 Drill Collars Run 270 Vis 60
 Bottom Packer Depth 4431 Wt. Pipe Run - WL 10
 Total Depth 4474 Chlorides 8000 ppm System LCM 1#
 Blow Description IIFP - Weak Blow thru-out 1/2" to 2 1/2" Blow
ISIP - No Blow
FFP - Weak Blow thru-out 1/4" to 1/2" Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>30</u>	<u>CO</u>				
<u>124</u>	<u>GMO</u>	<u>10</u>	<u>50</u>		<u>40</u>
<u>62</u>	<u>D+GCM</u>	<u>10</u>	<u>25</u>		<u>65</u>

Rec Total 216 BHT 117 Gravity 34 API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 2187 Test 1250 T-On Location 0905
 (B) First Initial Flow 22 Jars 250 T-Started 0935
 (C) First Final Flow 69 Safety Joint 75 T-Open 1115
 (D) Initial Shut-In 1261 Circ Sub T-Pulled 1415
 (E) Second Initial Flow 81 Hourly Standby T-Out 1641
 (F) Second Final Flow 113 Mileage 160 RT 248 Comments _____
 (G) Final Shut-In 1220 Sampler _____
 (H) Final Hydrostatic 2107 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1823 MP/DST Disc't _____
 Total 1823

Approved By _____ Our Representative Ray Schwager *Thank you*
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