

OPERATOR

Company: American Warrior, Inc.
 Address: 3118 Cummings Rd
 PO BOX 399
 Garden City, KS 67846
 Contact Geologist: Kevin Wiles
 Contact Phone Nbr: 620-275-2963
 Well Name: Gebhards #1-6
 Location: Sec. 6 - T15S - R41W
 API: 15-199-20415-00-00
 Pool: _____ Field: _____
 State: Kansas Country: USA

Scale 1:240 Imperial

Well Name: Gebhards #1-6
 Surface Location: Sec. 6 - T15S - R41W
 Bottom Location: _____
 API: 15-199-20415-00-00
 License Number: 4058
 Spud Date: 9/15/2014 Time: 7:00 PM
 Region: Wallace County
 Drilling Completed: 9/21/2014 Time: 4:00 AM
 Surface Coordinates: 2100' FNL & 1360' FEL
 Bottom Hole Coordinates: _____
 Ground Elevation: 3775.00ft
 K.B. Elevation: 3788.00ft
 Logged Interval: 4000.00ft To: 5250.00ft
 Total Depth: 5250.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: _____
 Latitude: _____
 N/S Co-ord: 2100' FNL
 E/W Co-ord: 1360' FEL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: Logan Walker Name: Logan Walker

CONTRACTOR

Contractor: Duke Drilling Co, Inc.
 Rig #: 9
 Rig Type: mud rotary
 Spud Date: 9/15/2014 Time: 7:00 PM
 TD Date: 9/21/2014 Time: 4:00 AM
 Rig Release: _____ Time: _____

ELEVATIONS

K.B. Elevation: 3788.00ft Ground Elevation: 3775.00ft
 K.B. to Ground: 13.00ft

NOTES


@4500' changed from a PDC bit to a Button Bit
 Due to negative results of drill stem test #1 in the Morrow Sand, this well was plugged as a dry test.
 A Bloodhound gas detector operated by Bluestem Environmental was employed on this well. ROP & Gas curves were imported into this log as well as GAMMA-Caliper from E-Log suite.
 The samples from this well were saved and will be available for review at the Kansas Geological Survey well sample Library located in Wichita, KS.
 Respectfully submitted,
 Logan Walker

American Warrior, Inc.
daily drilling report

DATE	7:00 AM DEPTH	REMARKS
09/17/2014		Geologist Logan Walker on location @ 2230 hrs, 3830 ft, drilling ahead
09/18/2014	4304	drilling ahead the Lansing, TOH w/bit @4500' change PDC bit to bottun bit, TIH w/with bit, resume drilling the marmaton
09/19/2014	4693	Driling ahead the Pawnee, Cherokee
09/20/2014	4986	drilling ahead the Morrow shale and sand, cfs multiple times to look at the sand but no shows, drilling ahead Morrow Lime, Mississippian
09/21/2001	5250	Drilling ahead to TD @5250' 0400 hrs 9/21/14, TOH w/bit to log open hole Logging open hole, TIH w/tool straddle test the morrow conducting DST #1
09/22/2014	5250	Conducting and completing DST #1, successful test, TOH w/ tool geololgist offsite 9/22/14

American Warrior, Inc.
well comparison sheet

DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
Gebhards #1-6 2100' FNL & 1360' FEL Sec 6-T15S-R41W				Blaesi #5-6 1179' FSL & 1523' FEL Sec 6-T15S-R41W				Blaesi #4-6 NW SW SE SE Sec 6-T15N-R41W			
3788 KB				3792 KB				3780 KB			
				Structural Relationship				Structural Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Sub-Sea	Sample	Log
Lansing	4220	-432	4219	-431	4224	-432	1	4207	-427	-5	-4
Marmaton	4570	-782	4569	-781	4570	-778	-4 -3	4558	-778	-4	-3
Pawnee	4656	-868	4658	-870	4662	-870	2	4648	-868	-2	-2
Cherokee	4720	-932	4717	-929	4730	-938	6 9	4716	-936	4	7
Morrow Shale	4944	-1156	4954	-1166	4955	-1163	7 -3	4945	-1165	9	-1
Morrow Sand	4958	-1170	4970	-1182	4968	-1176	6 -6	4958	-1178	8	-4
Morrow Lime	5054	-1266	5059	-1271	5066	-1274	8 3	5055	-1275	9	4
Mississippian	5119	-1331	5106	-1318	5130	-1338	7 20	5117	-1337	6	19
Total Depth	5250	-1462	5253	-1465	5200	-1408	-54 -57	5200	-1420	-42	-45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior **6-15s-41w Wallace Co. KS**
 Gebhards #1-6
 P.O. Box 399 Garden City KS. 67846
 Job Ticket: 57732 DST#: 1
 ATTN: Logan Walker Test Start: 2014.09.21 @ 15:24:00

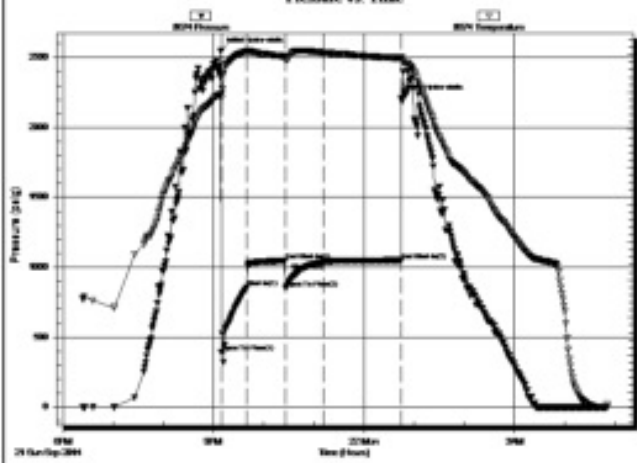
GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 21:09:25
 Time Test Ended: 04:51:25
 Test Type: Conventional Straddle (Initial)
 Tester: Will MacLean
 Unit No: 71
 Interval: 4920.00 ft (KB) To 5064.00 ft (KB) (TVD)
 Reference Elevations: 3788.00 ft (KB)
 Total Depth: 5253.00 ft (KB) (TVD)
 3775.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Good KB to GR/CF: 13.00 ft

Serial #: 8674 Inside

Press@RunDepth: 1034.17 psig @ 4922.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.09.21 End Date: 2014.09.22 Last Calb.: 2014.09.22
 Start Time: 15:24:00 End Time: 04:51:25 Time On Btrr: 2014.09.21 @ 21:09:10
 Time Off Btrr: 2014.09.22 @ 00:44:54

TEST COMMENT: F- Surface Blow Built to BOB in 1 1/2min
 IS- Weak Surface Blow in 7 1/2min Built to 5"
 FF- Surface Blow Built to BOB in 3min
 FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2545.95	129.39	Initial Hydro-static
1	391.27	128.34	Open To Flow (1)
31	553.14	140.66	Shut-In(1)
77	1046.01	139.57	End Shut-In(1)
77	551.66	139.45	Open To Flow (2)
123	1034.17	140.51	Shut-In(2)
215	1049.38	139.08	End Shut-In(2)
216	2211.45	139.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
870.00	GMCW 6%g 9%lm 85%w	10.59
882.00	GMCW 5%g 39%lm 53%w	12.37
189.00	GWCM 5%g 35%w 57%lm	2.65
283.00	WCM 26%w 74%lm	3.97

Gas Rates

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

ROCK TYPES

Lmst fw<7
 Lmst fw>
 shale, grn
 shale, gry
 Carbon Sh
 shale, red
 Ss
 Sltst

OTHER SYMBOLS

- Oil Show**
- Good Show
 - Fair Show
 - Poor Show
 - Spotted or Trace
 - Questionable Strn
 - Dead Oil Strn
 - Fluorescence
 - * Gas
- DST**
- DST Int
 - DST alt
 - Core
 - tail pipe

Curve Track #1

ROP (min/ft) ———

Gamma (API) ———

Cal (in) - - - - -

Depth | Intervals

DST

Lithology

Oil Show

Geological Descriptions

TG, C1 - C5

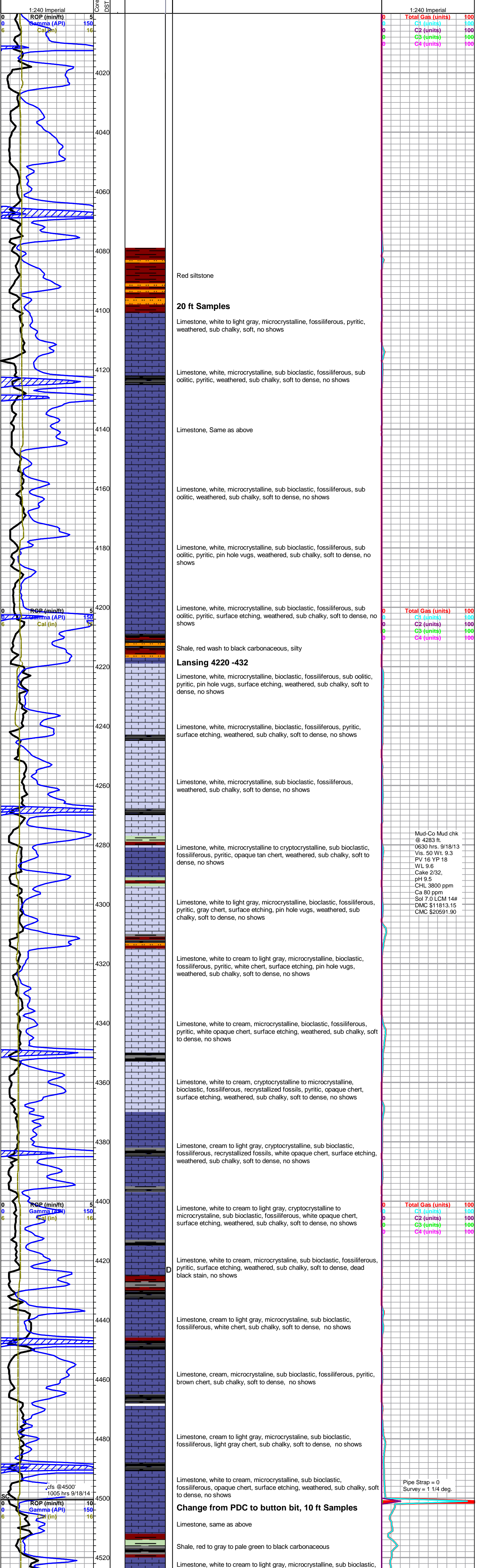
Total Gas (units) ———

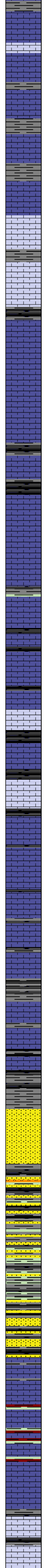
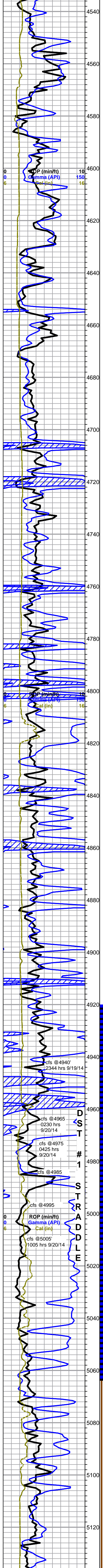
C1 (units) ———

C2 (units) ———

C3 (units) ———

C4 (units) ———





Limestone, white to cream to light gray, microcrystalline, sub bioclastic, fossiliferous, oolitic, salmon chert, surface etching, pin hole vugs, sub chalky, soft to dense, no shows

Limestone, white to cream, microcrystalline, bioclastic, fossiliferous, oolitic, surface etching, sub chalky, dense, no shows

Limestone, white to cream, microcrystalline, sub bioclastic, fossiliferous, opaque to brown chert, surface etching, sub chalky, soft to dense, no shows

Marmaton 4570 -782

Limestone, white to cream, microcrystalline, sub bioclastic, fossiliferous, white chert, surface etching, sub chalky, soft to dense, no shows

Limestone, white to cream, microcrystalline, sub bioclastic, fossiliferous, opaque chert, surface etching, sub chalky, soft to dense, no shows

Limestone, white to cream, microcrystalline, bioclastic, fossiliferous, oolitic, opaque to white chert, surface etching, pin hole vugs, weathered, sub chalky, soft to dense, no shows

Limestone, white to cream to light gray, microcrystalline, bioclastic, fossiliferous, oolitic, opaque chert, surface etching, pin hole vugs, weathered, sub chalky, soft to dense, no shows

Pawnee 4656 -868

Limestone, same as above, recrystallized fossils, pyritic

Limestone, cream to light gray, microcrystalline, sub bioclastic fossiliferous, white chert, surface etching, sub chalky, sharp, dense, no shows

Limestone, cream to light gray, microcrystalline, fossiliferous, pyritic, opaque to salmon chert, sub chalky, sharp, dense, no shows

Shale, black carbonaceous

Limestone, cream to tan to light gray, microcrystalline, fossiliferous, pyritic, sub chalky, sharp, dense, no shows

Cherokee 4720 -932

Limestone, cream to light gray, microcrystalline, sub bioclastic, fossiliferous, pyritic, sub chalky, sharp, soft to dense, no shows

Limestone, same as above, brown chert

Limestone, cream to light gray, microcrystalline, sub bioclastic, fossiliferous, oolitic, pyritic, sub chalky, sharp, soft to dense, no shows

Limestone, cream to tan to light gray, cryptocrystalline, sub bioclastic, fossiliferous, pyritic, brown opaque chert, sub chalky, sharp, soft to dense, no shows

Limestone, cream, cryptocrystalline, bioclastic, fossiliferous, pyritic, opaque chert, sub chalky, soft to dense, no shows

Limestone, cream to tan to light gray, cryptocrystalline, sub bioclastic, fossiliferous, pyritic, brown opaque chert, sub chalky, sharp, soft to dense, no shows

Limestone, cream, cryptocrystalline, bioclastic, fossiliferous, pyritic, opaque chert, sub chalky, soft to dense, no shows

Limestone, cream to tan to light gray, cryptocrystalline, sub bioclastic, fossiliferous, oolitic, glauconite, pyritic, brown chert, sub chalky, sharp, soft to dense, no shows

Limestone, cream to tan to light gray, microcrystalline, sub bioclastic, fossiliferous, oolitic, pyritic, brown chert, sub chalky, sharp, dense, no shows

Limestone, same as above

Limestone, same as above, white chert

Limestone, cream to tan to light gray, microcrystalline, sub bioclastic, fossiliferous,, pyritic, brown chert, sub chalky, sharp, dense, no shows

Morrow Shale 4944 -1156

Mud-Co Mud chk @ 4965 ft. 0330 hrs. 9/20/13 Vis. 53 Wt. 9.2 PV 16 YP 19 WL 8.0 pH 10.0 CHL 5000 ppm Ca 40 ppm Sol 6.0 LCM 8# DMC \$4479.30 CMC \$28158.95

sand, cloudy to clear, sub rounded, sub angular, fine grain, poor cemented, fair sorting, glauconite, pyritic, no shows

Sand, same as above

carrying sand, same as above well cemented, hard, one gas bubble

sand, cloudy to clear, sub rounded, sub angular, fine grain, well cemented, fair sorting, glauconite, pyritic, sub chalky on sand, no shows

Shale, abundant gray, black carbonaceous,

sand, cloudy to clear, sub rounded, sub angular, fine grain, well cemented, fair sorting, glauconite, pyritic, sub chalky, no shows

Morrow Lime 5054 -1266

Limestone, oolitic, microcrystalline to cryptocrystalline, sub bioclastic, fossiliferous, oolitic, pyritic, glauconite, weathered, sharp, chalky, soft to dens, no shows

Limestone, same as aboe

Limestone, cream to tan, microcrystalline to cryptocrystalline, sub bioclastic, fossiliferous, oolitic, pyritic, glauconite, opaque brown chert, weathered, sharp, sub chalky, soft to dens, no shows, mixed shales, red to pale green, to gray, silty

computer restarted

Limestone, same as above

Mississippian Lime 5119 -1331 (log 5106 - 1318)

Limestone, cream to tan light gray, microcrystalline to cryptocrystalline, bioclastic, fossiliferous, pyritic, brown chert, sharp, sub chalky, soft to dens, no shows

Limestone, cream to light gray, microcrystalline, bioclastic, fossiliferous, pyritic, glauconite, opaque to salmon chert, surface etching, pin hole vugs, sub chalky, soft to dense, no shows

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Mud-Co Mud chk @ 4660 ft. 0430 hrs. 9/19/13 Vis. 48 Wt. 9.3 PV 15 YP 16 WL 10.4 Cake 2/32, pH 8.5 CHL 7000 ppm Ca 120 ppm Sol 6.7 LCM 14# DMC \$3087.75 CMC \$23679.65

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Mud-Co Mud chk @ 4965 ft. 0330 hrs. 9/20/13 Vis. 53 Wt. 9.2 PV 16 YP 19 WL 8.0 pH 10.0 CHL 5000 ppm Ca 40 ppm Sol 6.0 LCM 8# DMC \$4479.30 CMC \$28158.95

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

