KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1093964

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 # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Jeff Lawer
Purchaser: NRCA

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] 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 #:

08/11/2012	08/17/2012	08/31/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-179-21317-00-00
Spot Description:
SW - SW - NE - NE Sec. 11 Twp. 10 S. R. 26 [ ] East [x] West
1020 Feet from [x] North / [ ] South Line of Section
1300 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Sheridan
Lease Name: E. Bittel Well #: 4
Field Name:
Producing Formation: Lansing
Elevation: Ground: 2576 Kelly Bushing: 2581
Total Depth: 4202 Plug Back Total Depth: 4146
Amount of Surface Pipe Set and Cemented at: 217 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2191 Feet
If Alternate II completion, cement circulated from: 2191
feet depth to: 0 w/ 150 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 14000 ppm Fluid volume: 60 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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 09/20/2012

Side Two

1093964

Operator Name: American Warrior, Inc. Lease Name: E. Bittel Well #: 4

Sec. 11 Twp. 10 S. R. 26 ☐ East ☑ West County: Sheridan

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhy	2209'	+397
B/Anhy	2244'	+337
Topeka	3590'	-1009
Heebner	3`804'	-1223
Lansing	3842'	-1261
Stark	4035'	-1454
B/KC	4074'	-1493

CASING RECORD ☑ New ☐ 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	12.250	8.625	20	217	Common	150	
Production	7.875	5.50	15.5	4169	EA-2	125	

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 *(Amount and Kind of Material Used)*	Depth
4	4007' to 4010'		

TUBING RECORD: Size: 2.375 Set At: 4139' Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/11/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	5	0	5		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
4007' to 4010'

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	E. Bittel 4
Doc ID	1093964

All Electric Logs Run

Dual Induction
Porosity
Sonic
Micro

Scale 1:240 Imperial

Well Name:	E. BITTEL #4		
Surface Location:	SW SW NE NE 11-10S-26W		
Bottom Location:			
API:	15-179-21317-0000		
License Number:	4058		
Spud Date:	8/11/2012	Time:	11:00 PM
Region:	SHERIDAN		
Drilling Completed:	8/17/2012	Time:	4:05 AM
Surface Coordinates:	1020' FNL & 130' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2576.00ft		
K.B. Elevation:	2581.00ft		
Logged Interval:	3200.00ft	To:	4202.00ft
Total Depth:	4200.00ft		
Formation:			
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	AMERICAN WARRIOR INC.		
Address:	3118 CUMMINGS ROAD GARDEN CITY, KS 67846		
Contact Geologist:	CECIL O'BRATE		
Contact Phone Nbr:	(620) 275-2963		
Well Name:	E. BITTEL #4		
Location:	SW SW NE NE 11-10S-26W	API:	15-179-21317-0000
Pool:		Field:	CUSTER WEST
State:	KANSAS	Country:	USA

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-100.1867692	Latitude:	39.2017578
N/S Co-ord:	1020' FNL		
E/W Co-ord:	130' FEL		

LOGGED BY

Company:	SOLUTIONS CONSULTING		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785)259-3737		
Logged By:	Geologist	Name:	JEFF LAWLER

CONTRACTOR

Contractor:	WW DRILLING, LLC		
Rig #:	6		
Rig Type:	MUD ROTARY		
Spud Date:	8/11/2012	Time:	11:00 PM
TD Date:	8/17/2012	Time:	4:05 AM
Rig Release:	8/18/2012	Time:	12:00 AM

ELEVATIONS

K.B. Elevation:	2581.00ft	Ground Elevation:	2576.00ft
K.B. to Ground:	5.00ft		

NOTES

THIS LOCATION WAS A SIESMIC LOCATION. DUE TO ECONOMICAL RECOVERY AND PRESSURES ON ALL THREE DST'S 5 1/2" PRODUCTION CASING WAS RAN.

PRIMARY PERFORATION RECOMMENDATIONS:

LANSING-KANSAS CITY: 3844 - 3846
3921 - 3927
3978 - 3982
4007 - 4010

SECONDARY RECOMMENDATIONS AND PRIOR TO ABANDONMENT:

3530 - 3532
3591 - 3595
TORONTO: 3827 - 3829

LKC: 3872 - 4876
3931 - 3931
4023 - 4025
4044 - 4046

ANY OTHER INTERVALS THAT MAY HAVE HAD AN OIL SHOW SHOULD ALSO BE TESTED WITH PERFORATION BEFORE ABANDONMENT.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

	E BITTEL #4				• PETROLEUM INC. E BITTEL #2 SE NE NE11-10-26				P&A NOV. 2007 PETROLEUM INC. E. BITTEL #1 NW NE NE 11-10-26				¤ PETROLEUM INC. E. BITTEL #3 NW SE NE 11-10-26				¤ ENERGY EXPLORATION INC. W.E. BITTEL #1 S2 SW NE 11-10-26			
	KB	2581			KB	2571			KB	2547			KB	2593			KB	2547		
	LOG TOPS		SAMPLE TOPS		COMP. CARD/LOG		LOG	SMPL.	COMP. CARD		LOG	SMPL.	COMP. CARD		LOG	SMPL.	COMP. CARD		LOG	SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP	2209	372	2208	373	2198	373	- 1	+ 0	2174	373	- 1	+ 0	2221	372	+ 0	+ 1	2230	317	+ 55	+ 56
BASE	2244	337	2232	349	2232	339	- 2	+ 10	2207	340	- 3	+ 9	2253	340	- 3	+ 9	2263	284	+ 53	+ 65
TOPEKA	3590	-1009	3580	-999	3566	-995	- 14	- 4	3550	-1003	- 6	+ 4	3600	-1007	- 2	+ 8	3608	-1061	+ 52	+ 62
HEEBNER SHALE	3804	-1223	3803	-1222	3786	-1215	- 8	- 7	3763	-1216	- 7	- 6	3812	-1219	- 4	- 3	3823	-1276	+ 53	+ 54
TORONTO	3826	-1245	3831	-1250	3807	-1236	- 9	- 14	3784	-1237	- 8	- 13	3834	-1241	- 4	- 9	3844	-1297	+ 52	+ 47
LKC	3842	-1261	3846	-1265	3823	-1252	- 9	- 13	3801	-1254	- 7	- 11	3850	-1257	- 4	- 8	3859	-1312	+ 51	+ 47
LKC H	3978	-1397	3986	-1405	3957	-1386	- 11	- 19	3938	-1391	- 6	- 14					4053	-1506	+ 109	+ 101
STARK SHALE	4035	-1454	4041	-1460	4011	-1440	- 14	- 20	3992	-1445	- 9	- 15	4040	-1447	- 7	- 13	4095	-1548	+ 94	+ 88
BKC	4074	-1493	4077	-1496	4053	-1482	- 11	- 14	4034	-1487	- 6	- 9	4084	-1491	- 2	- 5	4151	-1604	+ 111	+ 108
RTD			4200	-1619	4092	-1521		- 98	4070	-1523		- 96	4125	-1532		- 87				
LTD	4202	-1621																		

DST #1 TORONTO LKC A-B 3800' _3865'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Jeff Lawler

11-10s-26w Sheridan,KS

E. Bittel #4

Job Ticket: 48820 **DST#: 1**

Test Start: 2012.08.14 @ 23:42:00

GENERAL INFORMATION:

Formation: **Toronto / LKC " A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:29:40
Time Test Ended: 06:34:39

Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 40

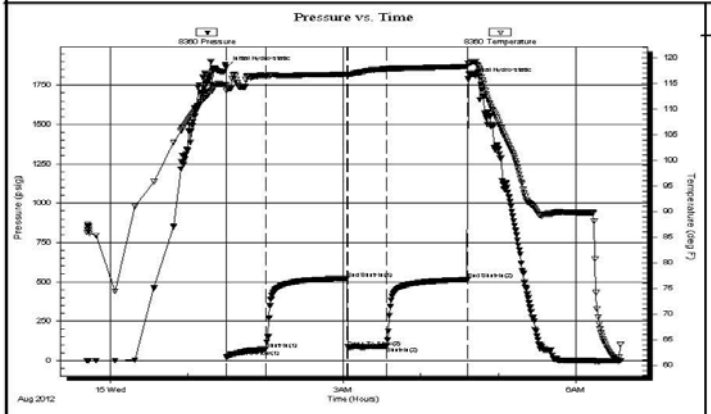
Interval: 3800.00 ft (KB) To 3865.00 ft (KB) (TVD)
Total Depth: 3865.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2581.00 ft (KB)
2576.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 89.87 psig @ 3801.00 ft (KB)
Start Date: 2012.08.14 End Date: 2012.08.15
Start Time: 23:42:00 End Time: 06:34:39

Capacity: 8000.00 psig
Last Calib.: 2012.08.15
Time On Btm: 2012.08.15 @ 01:29:25
Time Off Btm: 2012.08.15 @ 04:36:24

TEST COMMENT: IF- Surface Blow Built to 4 1/4"
ISI- No Blow
FF- Weak Surface Blow Built to 1"
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.42	114.73	Initial Hydro-static
1	21.22	113.54	Open To Flow (1)
31	73.67	116.52	Shut-In(1)
94	523.67	116.77	End Shut-In(1)
95	83.91	116.64	Open To Flow (2)
124	89.87	117.80	Shut-In(2)
187	515.61	118.30	End Shut-In(2)
187	1789.31	118.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100%m with Oil Spots	0.30
60.00	100%m with Oil Spots	0.30
35.00	100m	0.48

Gas Rates

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

Trilobite Testing, Inc Ref. No: 48820 Printed: 2012.08.15 @ 08:03:39

DST #2 LKC C-G 3865' - 3930'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior

P.o Box 399
Garden City KS 67846

ATTN: Jeff Lawler

11-10s-26w Sheridan Co. KS

E. Bittel #4

Job Ticket: 48821 **DST#: 2**

Test Start: 2012.08.15 @ 16:08:00

GENERAL INFORMATION:

Formation: **LKC " C - G "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:44:55
Time Test Ended: 22:53:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 40

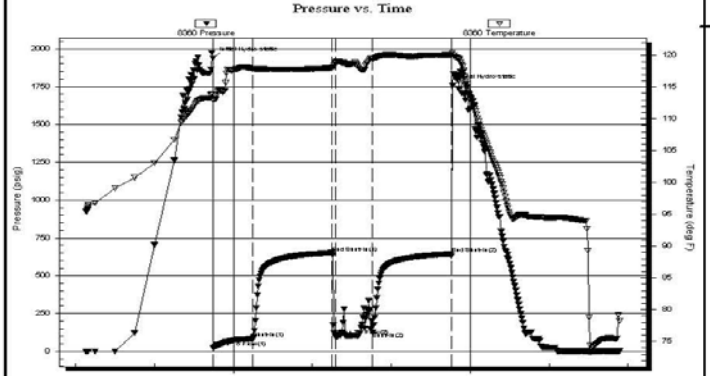
Interval: 3865.00 ft (KB) To 3930.00 ft (KB) (TVD)
Total Depth: 3930.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2581.00 ft (KB)
2576.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 124.90 psig @ 3866.00 ft (KB)
Start Date: 2012.08.15 End Date: 2012.08.15
Start Time: 16:08:00 End Time: 22:53:54

Capacity: 8000.00 psig
Last Calib.: 2012.08.15
Time On Btm: 2012.08.15 @ 17:44:40
Time Off Btm: 2012.08.15 @ 20:46:39

TEST COMMENT: IF- Surface Blow Built to 6 1/4"
ISI- No Blow
FF- Weak Surface Blow Built to 4"
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1937.24	113.73	Initial Hydro-static
1	22.60	112.96	Open To Flow (1)
31	84.18	117.90	Shut-In(1)
91	652.34	118.05	End Shut-In(1)
93	99.19	118.79	Open To Flow (2)
122	124.90	119.42	Shut-In(2)
181	643.88	120.08	End Shut-In(2)
182	1756.85	120.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OGCM 2%oil 9%g 89%m	0.30
60.00	OGCM 3%oil 15%g 82%m	0.30
12.00	OGCM 2%oil 4%g 96%m	0.16
10.00	GO 7%g 93%oil	0.14
0.00	98' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DST #3 LKC H-J 3972' - 4045'

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

American Warrior

P.o Box 399
Garden City KS 67846

ATTN: Jeff Lawler

11-10s-26w Sheridan Co. KS

E. Bittel #4

Job Ticket: 48822 **DST#: 3**

Test Start: 2012.08.16 @ 09:20:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:52:10
Time Test Ended: 17:51:24

Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 40

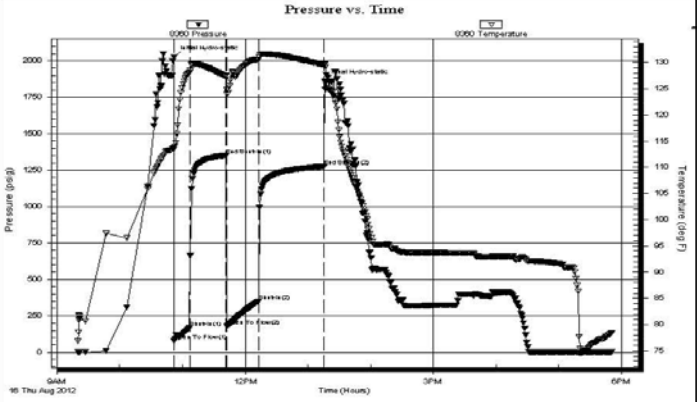
Interval: 3972.00 ft (KB) To 4045.00 ft (KB) (TVD)
Total Depth: 4045.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2581.00 ft (KB)
2576.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 349.66 psig @ 3973.00 ft (KB)
Start Date: 2012.08.16 End Date: 2012.08.16
Start Time: 09:20:00 End Time: 17:51:24

Capacity: 8000.00 psig
Last Calib.: 2012.08.16
Time On Btm: 2012.08.16 @ 10:51:55
Time Off Btm: 2012.08.16 @ 13:16:10

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 1 3/4min Gas to Surface in 44min on FSI
ISI- Surface Blow Built to BOB in 10 1/2min
FF- Strong Surface Blow Built to BOB in 2min Reversed oil into a Truck
FSI- Surface Blow Built to BOB in 11 1/4min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.74	113.82	Initial Hydro-static
1	77.69	113.44	Open To Flow (1)
15	168.34	128.10	Shut-In(1)
50	1351.37	127.37	End Shut-In(1)
51	178.19	124.78	Open To Flow (2)
81	349.66	130.58	Shut-In(2)
144	1276.94	129.53	End Shut-In(2)
145	1859.44	129.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WOGCM 4%w 15%oil 28%g 53%m	0.59
548.00	GO 40%g 60%oil	7.68
183.00	GO 46%g 54%oil	2.57
61.00	OG 47%oil 53%g	0.86
0.00	2924 of GIP	0.00

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

Dolprim	Lmst fw7>	Carbon Sh	Ss
Dolsec	shale, grn	shale, red	Arg/Shale
Lmst fw<7	shale, gry	Shcol	

ACCESSORIES

MINERAL
- Sandy

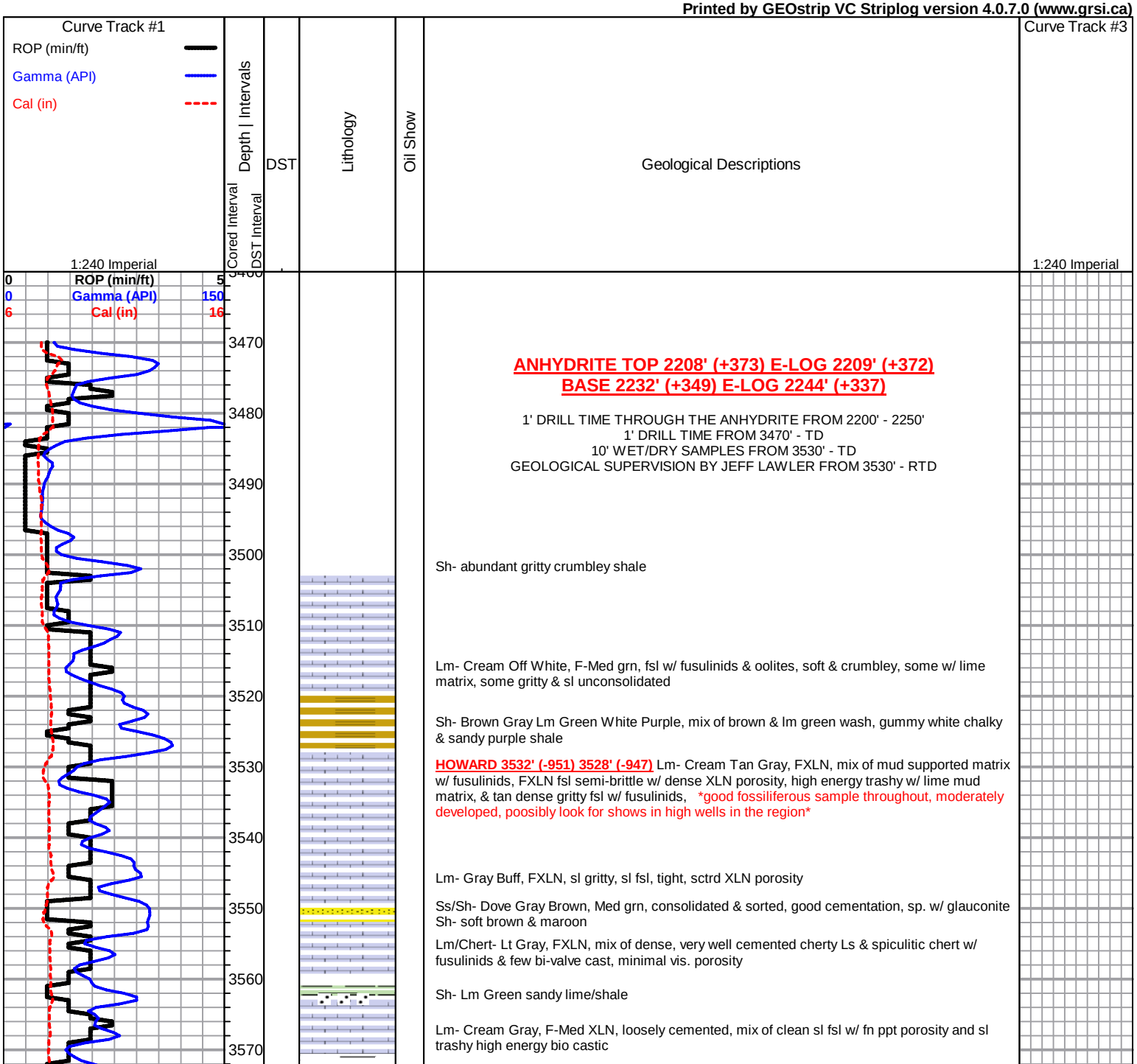
STRINGER
- Chert
- Shale
- red shale

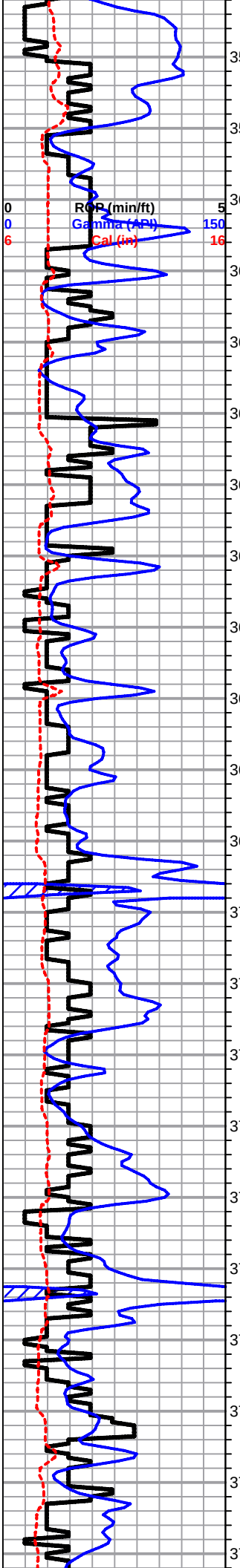
TEXTURE
- Chalky

OTHER SYMBOLS

DST
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Sh- Abundant gray wash, sticky argillaceous

TOPEKA 3580' (-999) E-LOG 3590' (-1009) Lm- Cream Tan, F-Med XLN, oolitic, moderately developed, mix of densely packed oolites in mud matrix, soft & crumbley, and Med XLN, oolitic w/ sctrd pearl shaped oolite clusters w/ loose cementation, sctrd fn ppt porosity, clean & barren

Lm- Cream Tan Gray, FXLN, mix of densely packed oolitic micrite in sparry cement, FXLN oolitic w/ mod. development, loosely cemented w/ sctrd fn ppt porosity, no shows noted

Dolomite- Tan, VFXLN, tight, consistant vry fn ppt porosity, clean & barren

Lm/Chert- Gray, mostly FXLN Ls, dense & well cemented, heavily mottled, few chips of cherty Ls & fsl bioclastic chert

Lm- Cream Tan, FXLN, dense fenestral XLN porosity & secondary XLN porosity, sl fsl, & gritty FXLN sl dolomitic Ls, no shows noted

Sh- Lm Green White, abundant soft white chalk

Lm/Chert- FXLN, dense, granular & oolitic, lime mud matrix, loosely cemented, sctrd fn ppt porosity, sl dolomitic white chert

A/A, abundant soft white chalk

Lm- Cream, FXLN, dense & well cemented, few w/ sctrd recrystallized veins, very minimal visible porosity, tight & clean

Lm- Cream Tan, FXLN & VF grn., mix of dense, semi-brittle sl siliceous, heavily mottled & dirty and soft calcareous, chalky matrix, sl. mineral flor. no wet cut

Sh- Black Brown, very soft, fissile, carbonaceous

Ss- Dove Gray Off White, soft, very friable, lime matrix, consolidated & sorted

Lm- Off White Cream Buff, mix of FXLN sl cherty fsl Ls, fsl gritty sl dolomitic chert, and VF-FXLN semi-brittle tight w/ no vis. porosity Ls

Lm- Cream Off White, Med XLN, granular, moderately well GD development, fsl w/ fusulinids, consistant ppt por. clean & barren

Lm/Dolomite- VFXLN, densely packed oolites in tight siliceous matrix, VFXLN very well cemented tight dolomite w/ consistant vry fn ppt porosity, abundant white soft chalk & interbedd thin shale lense

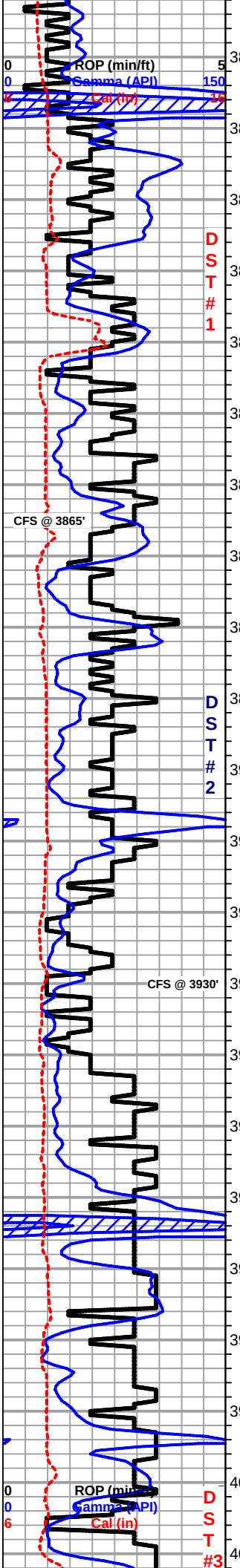
Sh- Black Red Gray, fissile, carbonaceous, soft gritty & earthy

Lm- Cream Buff, VFXLN, dense, very well cemented, some w/ rare XLN porosity, tight, no vis. porosity

Lm- Cream Tan, F-Med XLN, oolitic, mix of densely packed oolites in sparry cement, tight w/ no visible porosity, loosely cemented & crumbley w/ lime matrix, & Med XLN, dense & tight, sctrd fn ppt porosity, clean & barren

Sh- abundant white chalk

Lm- Cream, FXLN, oolitic, well cemented, sl oolicastic w/ very little skeletal dissolution, poor intracastic connectivity, sctrd fn ppt porosity, clean & barren



Lm- Cream Tan, VF-FXLN, very well cemented & tight, sctrd XLN porosity

HEEBNER 3803' (-1222) E-LOG 3804' (-1223) Sh- Black Gray Maroon, fissille & slatey, carbonaceous, gritty & earthy, soft

TORONTO 3831' (-1250) E-LOG 3826' (-1245) Lm- VF-FXLN, sctrd development, mix of crypto XLN, sp. w/ pyrite inclusions, FXLN w/ consistant fn ppt porosity, Med XLN, oolitic w/ GD intraoolite porosity, LT GSY STN, SSFO, FNT ODR

SHORT TRIP
SLOPE 1 dgr.
STRAP 3867.67
BOARD 3867.67
STRAP +0.26

DST #1
LKC A & B
3800' - 3864'

LKC 3846' (-1265) E-LOG 3842' (-1261) Lm- Cream Tan, Med Coarse XLN, very well developed, oolitic, mix of large speherical pearl shaped oolites w/ GD intra oolite vuggy porosity and Med XLN w/ sctrd ppt porosity, FR intraoolite porosity, both w/ sctrd intraoolite recrystallization, DRK GSY STN, SLSFO, FR ODR

Lm- White Off White, F-Med XLN, sl fsl w/ sctrd GD ppt porosity LT SCTRD GSY STN, NSFO, VRY FNT ODR at top of bench fair amount of barren porosity, transistions into vry tight, sub-crypto XLN, chalky in part

Lm- White Off White, Med-Crs XLN, fsl w/ sctrd fusulinids, mostly developed w/ dense XLN to sctrd ppt porosity, LT GSY STN, 2-3 CHPS W/ SL GSY FO UPON CRUSH, NO ODR

DST #2
LKC E-G
3865' - 3930'

Lm- VF-FXLN, dense, sl chalky matrix in some, some well cemented, tight w/ minimal visible porosity, clean & barren

Lm- Tan, Med XLN, crumbley, dense XLN & consistant vry fn ppt porosity, very few pcs, LST GSY BRWN STN, NSFO, VRY FNT ODR, DULL FLOR.

Lm- Tan Off White, FXLN, dense, well cemented, sctrd development, mostly along edges w/ fn ppt porosity, fair amount of barren porosity, sctrd recrystallization amongst edge porosity, LT GSY STN, VSLSGSYFO, FR GSY ODR

Sh- White soft chalk

Lm- Cream Tan Semi-Translucent, F-Med XLN, oolitic, mostly well to vry well developed, few w/ sctrd pearh shaped oolites, most w/ GD ppt porosity, some w/ sctrd sub-vugular, LT BRWN GSY STN 1-2 CHPS SAT, SL SGSYFO, GD GSY SHEEN, FR SULPHURIC ODR, few chps w/ stn along solution veins w/ recrystallization w/in, possible fracturing

Lm- Cream White, FXLN, dense, loosely cemented & crumbley, chps of Med XLN, loosely cemented dolomite w/ consistant ppt porosity, visible rhombs, much soft white chalk

Lm- VF-FXLN, mix of dense brittle sl cherty Ls, sub-crypto XLN, vry minimal vis. porosity, dense calcareous algal Ls and much soft white chalk

Sh- Black Gray Maroon, fissile, smooth, carbonaceous, gritty & earthy

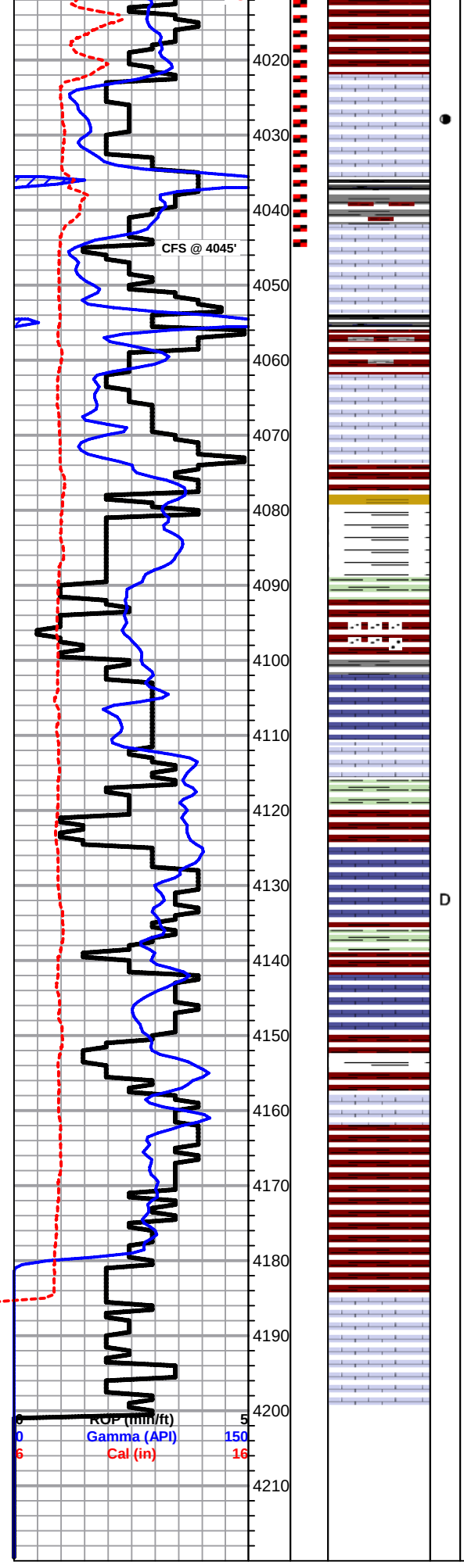
Lm- A/A, more algal Ls, soft, chips of gray sl cherty Ls

LKC 'H' 3978' (-1397) Lm- Gray Brown, mix of mud supported oolitic, FXLN oolitic biomicrite, sl chalky, 1-2 chps w/ LT SCTRD STN, NSFO, FNT ODR

Lm- Cream Off White, F-Crs XLN, vry well developed, sl fsl, sctrd XLN to GD vuggy porosity, LT SCTRD STN, SL GSY SHEEN, SL SFO, FR ODR

Lm- Tan, Fn Grn - Crs XLN, mix of very well developed, oolitic w/ vuggy intraoolite porosity, dense sl chalky fn grn, crumbley & loosely cemented, and soft calcareous chalk, SAT LT BRWN STN CARRIES THROUGH ENTIRE ZONE, SFO IN OOLITIC DEVELOPMENT, FEW CHIPS W/ BLEEDING SHOW, FR GSY ODR

DST #3



LKC H-J
3972' - 4035'

Sh- Abundant red wash

Lm- Tan Buff, Med-Coarse XLN, fsl & oolitic, some massive w/ sctrd development & intraoolite por., ppt - sctrd vuggy porosity, sl recrystallization w/in, DRK STN, SL SFO, FNT ODR

Lm- Lt Gray White, FXLN, mix of loosely cemented FXLN w/ ppt porosity, poorly developed, SCTRD TO SAT BLK STN, 1-2 PCS W/ VSL SFO UPON CRUSH, NO ODR, and abundant soft white calcareous lime mud matrix and soft white chalk, some Lt Gray dense algal Ls

Lm- Cream Off White, VFXLN, dense, mix of sl. chalky & sub-crypto XLN, all tight w/ minimal vis. porosity

BKC 4077' (-1496) E-LOG 4074' (-1493) Sh- Red Brown Gray White, sl sandy red shale, sl waxy, blocky & dense, abundant sticky argillaceous white clumps

Sh- Red Gray Lm Green, abundant red wash, sandy red lime, sl waxy lm green

Lm- Cream Off White, FXLN & Fn grn, mix of sl siliceous, semi-brittle, tight FXLN & fn grn algal Ls, 2-3 chips of densely packed small oolites in semi-translucent sparry cement

Sh- Red Lm Green White, abundant red wash, waxy & striated lm green, soft gummy white chalk

Lm- Cream Tan Off White, mix of sl. conglomerate, mottled, sl fsl w/ few small fusulinids, few w/ good XLN porosity, mostly tight w/ limited porosity, sl chalky, 1-2 chips w/ BLK GILSONITE TARRY STN, NSFO, SL GSY ODR UPON CRUSH

Sh- Red Gray Brown Lm Green, abundant red wash, waxy & massive brown & lm grn

Lm- Lt Gray Off White, FXLN, tight, dense, sl chalky in part, no vis. porosity

Sh- Red White Gray Lm Green, abundant red wash & sticky agrillaceous white clumps

Lm- Off White, FXLN, sl fsl w/ few small fuslulinids, crubley & loosely cemented, clean & barren

Sh- Red Gray, very soft, sl waxy, gritty & earthy

Sh- White Red Gray, soft lime mud, gritty & sl sandy, soft red & gray shale

Lm- Cream Buff Lt Gray Off White, mix of FXLN well cemented & gritty, few chips of cherty Ls & sl dolomitic chert, all tight & clean, minimal vis. porosity

RTD 4200' (-1619) LTD 4202' (-1621) @ 04:05 8/17/2012

ALLIED OIL & GAS SERVICES, LLC 056727

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley

DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
8-11-12	11	10s	26w			3:00pm	3:30pm

LEASE	WELL #	LOCATION	COUNTY	STATE
Bethel	4	Quinter 3E 9N 1W	Sheridan	Ks

OLD OR NEW (Circle one) 1N 34E into

1.01 8.3

CONTRACTOR WW 6
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 218'
CASING SIZE 8 5/8 DEPTH 218'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 12,92 BBL

OWNER Same

CEMENT
AMOUNT ORDERED 150 sks com 3%cc 2% gel

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Andrew Forslund
HELPER J. Dane Kolaleff
BULK TRUCK # 404 DRIVER Bethan Glassman
BULK TRUCK # DRIVER

COMMON	150 sks	@ 16.25	2437.50
POZMIX		@	
GEL	3 sks	@ 21.25	63.25
CHLORIDE	5 sks	@ 58.20	291.00
ASC		@	
HANDLING	162.2 cy/FT	@ 2.10	340.62
MILEAGE	2.35 Ton/mi 2.402 TON		834.94
		TOTAL	3967.81

355.29

REMARKS:

Cement did circulate

Thank you

SERVICE

DEPTH OF JOB 218'
PUMP TRUCK CHARGE 1125.00
EXTRA FOOTAGE @
MILEAGE 48 miles @ 7.00 336.00
MANIFOLD @
Lightvehicle @ 4.00 192.00
@

TOTAL 1653.00

CHARGE TO: American Warrior Inc
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

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.

SALES TAX (If Any) 231.75
TOTAL CHARGES 5620.81
DISCOUNT 20 1124.16 IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE

SWIFT Services, Inc.

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

TICKET Nº 23261

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/~~PARISH~~	STATE	CITY	DATE	OWNER
1. NESS CITY, KS		BITTEL #4	SHERIDAN	KS.	ST. PETER, KS.	17AUG12	
2.	TICKET TYPE ☐ SERVICE ☐ SALES / CONTRACTOR: WW DRILLING RIG #6	RIG NAME/NO.		SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE: OIL	WELL CATEGORY: DEVELOPMENT	JOB PURPOSE: 5½ LONGSTRING		WELL PERMIT NO.	WELL LOCATION: LOW, IN, ¾E INTO	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575					MILEAGE #110	80	MIL			6 00	480 00
578					PUMP CHARGE	1	JOB	4168	FT	1500 00	1500 00
402					CENTRALIZERS	9	EA			70 00	630 00
403					CEMENT BASKETS	2	EA			250 00	500 00
404					PORT COLLAR	1	EA	2182	FT	2400 00	2400 00
406					LATCH DOWN PLUG & BAFFLE	1	EA			250 00	250 00
407					INSERT FLOATSHOE W/AUTO FILL	1	EA			350 00	350 00
281					MUD FLUSH	500	GAL			1 25	625 00
221					LIQUID KCL	2	GAL			25 00	50 00
419					ROTATING HEAD RENTAL	1	JOB			200 00	200 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

DATE SIGNED 17AUG12 | TIME SIGNED 2200 ☐ 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
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?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1	6985 00
2	4954 22
subtotal	11,939 22
TAX Sheridan 8.3%	736 75
TOTAL	12,675 97

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!

SWIFT Services, Inc.

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

TICKET CONTINUATION

TICKET No. 23261

CUSTOMER: AMERICAN WARRIOR | WELL: BITTEL #4 | DATE: 7 AUG 12 ~~BITTEL #4~~ | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
276						FLOCELE	44	lbs.			2.00	88.00
283						SALT	900	lbs.			.20	180.00
284						CALSEAL	8	sx			35.00	280.00
292						HALAD 322	124	lbs			7.75	961.00
325						STANDARD CEMENT EA-2	175	sx			13.50	2362.50
581						SERVICE CHARGE	CUBIC FEET 175 sx				2.00	350.00
583						MILEAGE CHARGE TOTAL WEIGHT 18318 LOADED MILES 80	TON MILES 732.72				1.00	732.73

CONTINUATION TOTAL 4954.23

JOB LOG — **SWIFT Services, Inc.** — DATE | PAGE NO.

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
AMERICAN WARRIOR		BITTEL #4	5½ LONGSTRING	232691

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1730							ON LOCATION
	1810							START PIPE USED 5½ - 14#
								RTD @ 4200 SET @ 4168
								SHOE JT. 23'
								CENTRALIZERS 1, 2, 4, 6, 8, 10, 11, 44, 47
								BASKETS 10, 45
								PORT COLLAR TOP of #46 @ 2182
	2000				✓			DROP BALL CIRCULATE.
	2032	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	20		✓		300	Pump 20 BBL KCL FLUSH
	2038		7					PLUG RH (30sx)
	2040	4	35		✓			MIX 145 sx EA 2
	2044							WASH OUT Pump & LINES
	2058	6			✓			START PLUG DISPLACEMENT
	2115	Ø	101		✓		1500	PLUG DOWN PSI up LATCH PLUG IN
	2118				✓			RELEASE PSI - DRY
	2120							WASH TRUCK
	2200							JOB COMPLETE.
								THANKS #110
								JASON JEFF DOUG

SWIFT Services, Inc.

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

TICKET Nº 21868

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Hoisington, KS	E #4	Bittle	Sheridan	Ks		8-28-12	
2. Ness City, KS	TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.		Express	(Vacuum)	CT	w/St. Peter, KS		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
REFERRAL LOCATION	Oil	Infield	Cement Port Collar				
	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE #113	60	mi			6 00	360 00
576 D		1			Pump Charge - cmt Port Collar	1	ea	2196	ft.	1250 00	1250 00
290		1			D-Air	2	gal			35 00	70 00
104		1			Port Collar Tool Rental	1	ea	5½	in	250 00	250 00
330		2			SMD Cement	200	SK			16 50	3300 00
276		2			Flocele	50	lbs			2 00	100 00
581		2			Service Charge - cmt	225	SK	22390	lbs	2 00	450 00
583		2			~~Minimum~~ Drayage	60 mi	676.7	TM		1 00	671 70

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 Joe Sidy Don L.

DATE SIGNED 8-28-12 | TIME SIGNED 0830 ☐ 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
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?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	6451 70
Sheridan TAX 8.3%	308 76
TOTAL	6760 46

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

SWIFT OPERATOR Don Lemmon | APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-28-12 PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
AWI	E #4	Bittle	Cement P.C.	21868

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0800							On location / 225 sks SMD cmt
								Set up Tks
	0820					1000	1000	P.C @ 2196' - Tst Closed
		3	3			C	400	Open P.C - inj rate
							C	Hook to Tbg
		3				400	C	Start Hzd ahead
		3	3			400		Circ to pit - Start SMD cmt
			94			300		Cmt circ @ 170 sks - incr #/sal
			95			320		30 sks @ 13 #/sal
			105			200		Fin cmt - Start Hzd Displ
			7			200		Fin 7 BBl Displ
						C	1000	Close PC & Test - OK
								Rig run to Tbg.
		2½	25				200	Rev out - 2 flgs & clean
								Job Complete
	10:00							Wash up & Rackup
								25 sks To Pit
								Thanks
								Don, Brian & Jeremy