



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1091462

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input 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 type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	Werth 1
Doc ID	1091462

All Electric Logs Run

Micro Log
Dual Induction
Compensated Neutron Density
Sonic Log



MUSTANG

ENERGY CORPORATION

Scale 1:240 Imperial

Well Name: WERTH #1
Surface Location: NE NW SE NW 6-16S-18W
Bottom Location:
API: 15-165-21971-0000
License Number: 33922
Spud Date: 5/5/2012 Time: 3:34 PM
Region: RUSH
Drilling Completed: 5/12/2012 Time: 5:50 PM
Surface Coordinates: 1340' FNL & 1845' FWL
Bottom Hole Coordinates:
Ground Elevation: 2004.00ft
K.B. Elevation: 2012.00ft
Logged Interval: 1185.00ft To: 3659.00ft
Total Depth: 3660.00ft
Formation:
Drilling Fluid Type: FRESH WATER/CHEMICAL GEL

OPERATOR

Company: MUSTANG ENERGY CORPORATION
Address: P.O. BOX 1121
HAYS, KS 67601

Contact Geologist: ROD BRIN
Contact Phone Nbr: (785) 623-0533

Well Name: WERTH #1
Location: NE NW SE NW 6-16S-18W
Pool:
State: KANSAS

API: 15-165-21971-0000
Field: BIG TIMBER NORTHWEST
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.3574623 Latitude: 38.6931176
N/S Co-ord: 1340' FNL
E/W Co-ord: 1845' FWL

LOGGED BY



Company: SOLUTIONS CONSULTING
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 259-3737

CONTRACTOR

Contractor: DISCOVERY DRILLING
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 5/5/2012
 TD Date: 5/12/2012
 Rig Release: 4/12/2012
 Time: 3:34 PM
 Time: 5:50 PM
 Time: 10:00 PM

ELEVATIONS

K.B. Elevation: 2012.00ft
 K.B. to Ground: 8.00ft
 Ground Elevation: 2004.00ft

NOTES


DUE TO NON-COMMERCIAL RECOVERY ON ALL DST'S, DECISION WAS MADE TO PLUG & ABANDON THE WERTH #1.

RESPECTFULLY SUBMITTED,
 JEFF LAWLER

WELL COMPARISON SHEET

FORMATION	P&A 12-86				P&A 7-96				P&A 4-85				H								
	R. P. NIXON				R. P. NIXON				SUNBURST EXPLOR. CO.				NCRA								
	WERTH #4				WERTH #3				BIEKER #1				BIECKER #1								
	N2 SW NW 6-16-18				NW NE SW NW 6-16-18				NE NW SW 6-16-18				NW NW SE 6-16-18								
2012		2009		2007		2014		2011													
LOGTOPS	SAMPLETOPS	CARD/SMPLOTOPS	LOG	SAMPL	CARD/SMPLOTOPS	LOG	SAMPL	DATA SOURCE	LOG	SAMPL	DATA SOURCE	LOG	SAMPL	DATA SOURCE	LOG	SAMPL					
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM				
ANHYDRITE TOP	1181	831	1171	841	1172	837	- 6	+ 4	1182	825	+ 6	+ 16	1176	838	- 7	+ 3	1169	842	- 11	- 1	
BASE	1210	802	1213	799	1215	794	+ 8	+ 5	1210	797	+ 5	+ 2	1218	796	+ 6	+ 3					
TARKIO																					
TOPEKA	2971	-959	2969	-957	2971	-962	+ 3	+ 5	2967	-960	+ 1	+ 3	2973	-959	+ 0	+ 2					
OREAD																					
HEEBNER SHALE	3254	-1242	3254	-1242	3252	-1243	+ 1	+ 1	3249	-1242	+ 0	+ 0	3258	-1244	+ 2	+ 2	3255	-1244	+ 2	+ 2	
TORONTO	3275	-1263	3276	-1264	3272	-1263	+ 0	- 1	3268	-1261	- 2	- 3									
DOUGLAS																					
BROWN LIME																					
LKC	3301	-1289	3299	-1287	3298	-1289	+ 0	+ 2	3298	-1291	+ 2	+ 4	3308	-1294	+ 5	+ 7	3299	-1288	- 1	+ 1	
BKC	3546	-1534	3544	-1532	3536	-1527	- 7	- 5	3532	-1525	- 9	- 7	3536	-1522	- 12	- 10					
CONG. SAND																	3590	-1579			
MISSISSIPPIAN																					
ARBUCKLE	3601	-1589	3600	-1588	3575	-1566	- 23	- 22	3574	-1567	- 22	- 21	3593	-1579	- 10	- 9	3603	-1592	+ 3	+ 4	
REAGAN	3627	-1615																3626	-1615	+ 0	
RTD			3660	-1648														3630	-1619		- 29
LTD	3659	-1647			3582	-1573	- 74		3585	-1578	- 69		3606	-1592	- 55		3630	-1619	- 28		

DST #1 LKC "D-F"

 <p>TRILOBITE TESTING, INC</p>	<p>DRILL STEM TEST REPORT</p>	
	Mustang Energy Corporation PO Box 1121 Hays, KS. 67601 ATTN: Jeff Lawler	<p>6-16s-18w-Rush</p> <p>Werth #1</p> Job Ticket: 47287 DST#: 1 Test Start: 2012.05.10 @ 04:36:58

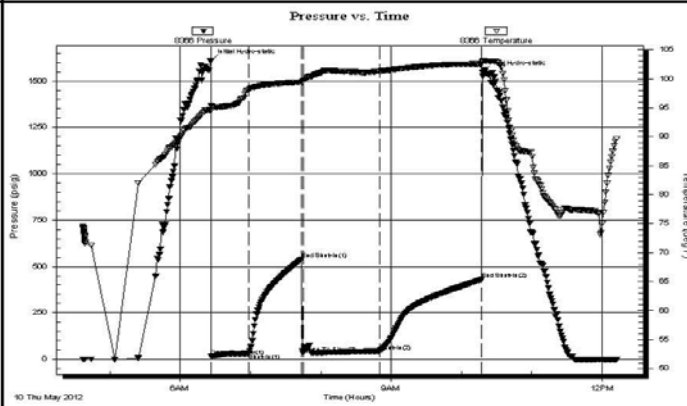
GENERAL INFORMATION:

Formation: **D-E-F**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 06:26:28
 Time Test Ended: 12:12:43
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Interval: **3335.00 ft (KB) To 3372.00 ft (KB) (TVD)**
 Total Depth: 3372.00 ft (KB) (TVD)
 Reference Elevations: 2012.00 ft (KB)
 2004.00 ft (CF)
 Hole Diameter: 7.80 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 44.41 psig @ 3339.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.10 End Date: 2012.05.10 Last Calib.: 2012.05.10
 Start Time: 04:37:00 End Time: 12:12:43 Time On Btm: 2012.05.10 @ 06:26:13
 Time Off Btm: 2012.05.10 @ 10:17:43

TEST COMMENT: IFF-Weak Blow, Built to 2-1/2"
 ISI-Dead
 FFP-Weak Blow, Built to 3"



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.62	95.32	Initial Hydro-static
1	15.55	94.59	Open To Flow (1)
32	31.67	98.12	Shut-In(1)
77	539.37	99.44	End Shut-In(1)
79	35.42	99.51	Open To Flow (2)
144	44.41	101.29	Shut-In(2)
231	429.90	102.58	End Shut-In(2)
232	1548.26	103.00	Final Hydro-static

Length (ft)	Description	Volume (bbl)
65.00		0.64

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

Trilobite Testing, Inc

Ref. No: 47287

Printed: 2012.05.10 @ 12:43:56

DST #3 CONGLOMERATE

<p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	
	Mustang Energy Corporation PO Box 1121 Hays, KS. 67601 ATTN: Jeff Lawler	<p>6-16s-18w-Rush</p> <p>Werth #1</p> Job Ticket: 47289 DST#: 3 Test Start: 2012.05.11 @ 17:58:31

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 19:45:31
 Time Test Ended: 22:26:31

Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54

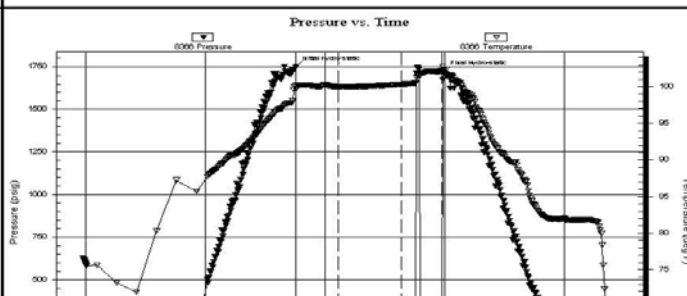
Interval: **3520.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2012.00 ft (KB)
 2004.00 ft (CF)
 KB to GR/CF: 8.00 ft

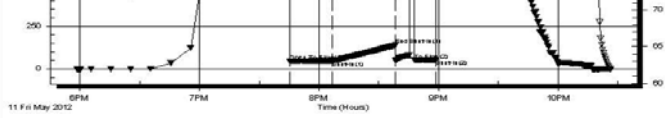
Serial #: 8366 Inside

Press@RunDepth: 47.61 psig @ 3587.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.11 End Date: 2012.05.11 Last Calib.: 2012.05.11
 Start Time: 17:58:33 End Time: 22:26:31 Time On Btm: 2012.05.11 @ 19:45:16
 Time Off Btm: 2012.05.11 @ 20:59:31

TEST COMMENT: IFF-Weak Surface Blow, Dead in 10 Min.
 ISI-Dead
 FFP-Dead, Flush Tool, DeadAfter Surge, Pull Tool



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1749.79	100.22	Initial Hydro-static
1	45.60	99.68	Open To Flow (1)
22	47.61	100.02	Shut-In(1)
53	140.12	100.33	End Shut-In(1)
54	51.50	100.27	Open To Flow (2)
74	53.53	102.22	Shut-In(2)
75	1719.50	102.32	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.01

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 47289

Printed: 2012.05.12 @ 11:47:17

LKC #4 ARBUCKLE



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mustang Energy Corporation

6-16s-18w-Rush

PO Box 1121
Hays, KS. 67601

Werth #1

ATTN: Jeff Lawler

Job Ticket: 47290

DST#: 4

Test Start: 2012.05.12 @ 12:05:12

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 13:29:42
 Time Test Ended: 16:39:57

Test Type: Conventional Straddle (Reset)
 Tester: Jason McLemore
 Unit No: 54

Interval: **3604.00 ft (KB) To 3619.00 ft (KB) (TVD)**
 Total Depth: 3619.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches-Hole Condition: Good

Reference Elevations: 2012.00 ft (KB)
 2004.00 ft (CF)
 KB to GR/CF: 8.00 ft

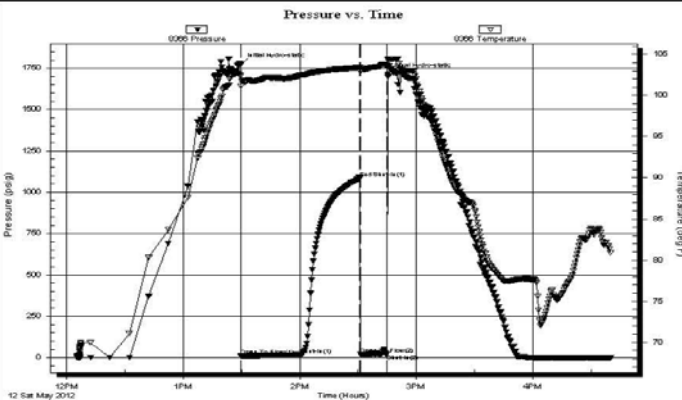
Serial #: 8366

Inside

Press@RunDepth: 17.05 psig @ 3605.00 ft (KB)
 Start Date: 2012.05.12 End Date: 2012.05.12
 Start Time: 12:05:14 End Time: 16:39:57

Capacity: 8000.00 psig
 Last Calib.: 2012.05.12
 Time On Btm: 2012.05.12 @ 13:29:27
 Time Off Btm: 2012.05.12 @ 14:45:12

TEST COMMENT: IFP-Weak Surface Blow
 ISI-Dead
 FFP-Dead, Full Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.21	102.39	Initial Hydro-static
1	9.18	101.13	Open To Flow (1)
31	17.05	102.52	Shut-In(1)
62	1086.66	103.42	End Shut-In(1)
62	17.94	102.87	Open To Flow (2)
76	21.23	103.73	Shut-In(2)
76	1713.21	104.46	Final Hydro-static

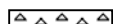







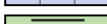

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling Mud	0.01

Gas Rates

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

ROCK TYPES

 Cht	 Dolprim	 shale, gry	 Ss
 Congl	 Lmst fw7>	 Carbon Sh	
 Chtcongl	 shale, grn	 shale, red	




ACCESSORIES

STRINGER

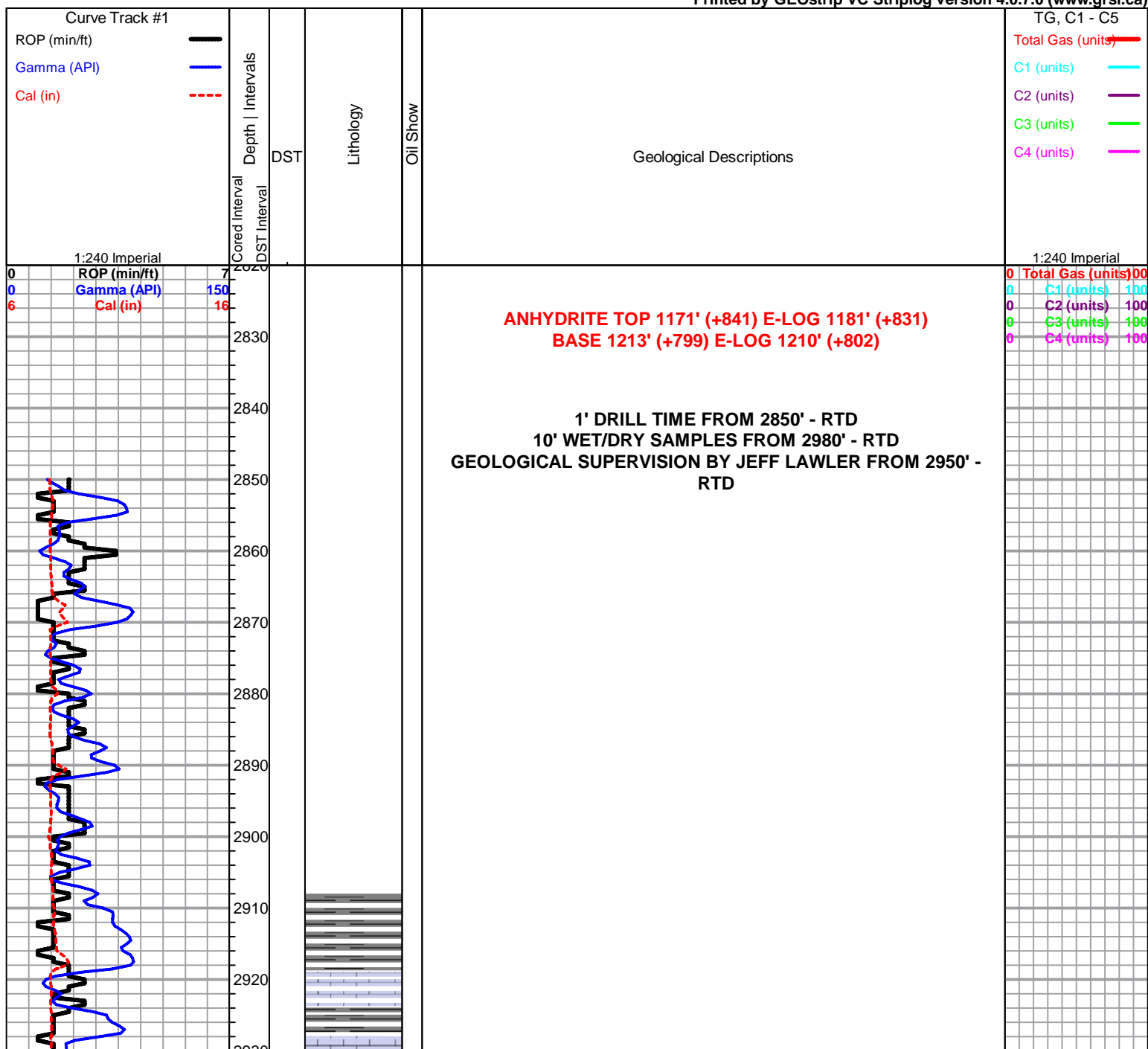
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**OTHER SYMBOLS**

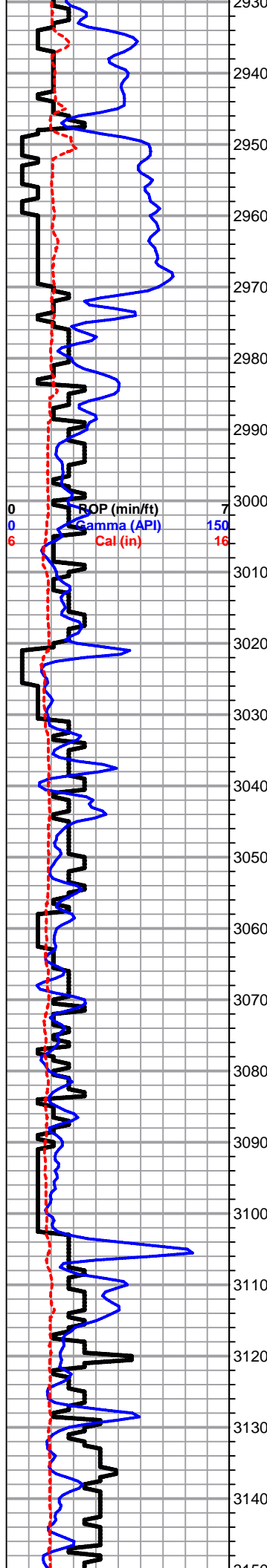
**DST**

-  DST Int
-  DST alt
-  Core

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







Lm- Gray Buff Tan, FXLN, dense, sl. FSL, algal in part, scattered pinpoint porosity, bioclastic, trashy

Sh- Gray Lime Green, dense, soft & smooth

**TOPEKA 2969' (-957) E-LOG 2971'(-959)** Lm- Gray Brown, FXLN, silty & chalky in part, FSL fragments, high energy, dense, minimal visible porosity,

Lm- Cream Tan Brown, Med XLN, granular in part, mix of grain & mud supported chips, scattered pinpoint porosity & development, chalky in part, few dense chips w/ siliceous cementation

Lm- Gray Lt Brown, F-Med grn., trashy rip-up clasts, FSL w/ fusulinids & few crinoids, gritty & sl. granular

Lm- Gray Buff, FXLN, FSL, dense, few algal Ls chips, tight, limited visible porosity, some interbedded gray shales & grainy chalk

Lm- Gray Tan, Fine grn., mostly mud supported matrix, few med XLN, dense, scattered secondary XLN porosity

Lm- A/A w/ few buff & tan dense algal Ls. chips

Lm- Gray, Med XLN, gritty & grainy, few Ss chips, well consolidated & sorted, speckled w/ dark minerals, mostly dense, semi-brittle, very scattered pinpoint porosity, FSL fragments

Lm- Gray Tan, VFXLN, mostly dense, semi-brittle cryptocrystalline, few chips of dense algal Ls, all w/ minimal visible porosity

Lm- Lt Gray Buff Cream, FXLN, few chips of FSL bedded chert, some trashy clastics, chalky in part

Sh- Gray, soft smooth

Lm- Cream Tan, VF-Med XLN, few chips of sharp angular bedded chert, FSL, abundant fusulinids, few chips w/ dense fenestral porosity, granular & gritty, moderately developed, well cemented, scattered pinpoint porosity, clean & barren

Lm- Gray Brown Tan, Med XLN, dense, highly FSL w/ fusulinids & crinoids, mud supported matrix, sl. siliceous, some silt/mud stone, scattered micro porosity & development, no shows noted

Lm/Chert- A/A, w/ chips of fresh bedded FSL chert & a few chips of eroded & reworked chert w/ fusulinid fragments, few chips of gritty sl. dolomitic chert, scattered development, clean & barren

Sh- Black Drk Gray Lt Gray Maroon White, few fissile & sl. unconsolidated & FSL, mostly smooth & soft, white sticky chalk

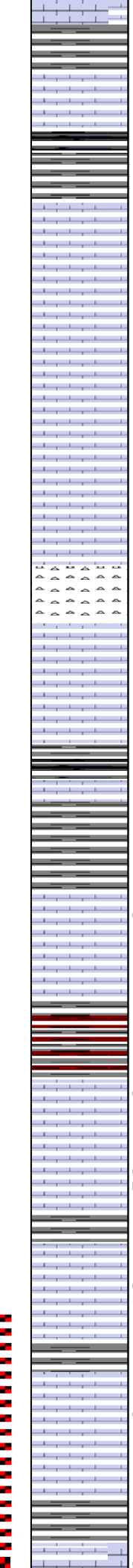
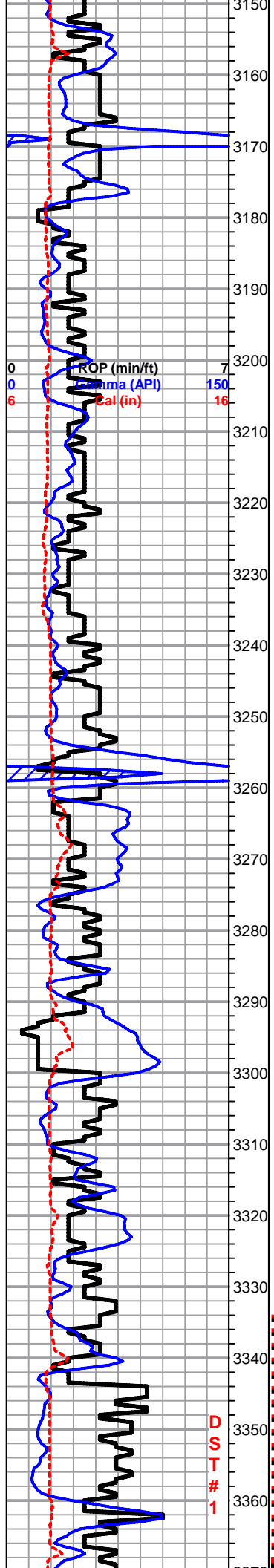
Lm/Chert- Cream Tan Buff, Med-Coarse XLN, mix of chert, dolomitic chert & cherty Ls, massive, moderately well developed, dolomitic Ls, some w/ good consistent intragranular porosity, few chalky in part, clean & barren

Lm/Chert- Gray Tan Cream, VFXLN, mix of bedded & reworked FSL chert, dense well cemented cryptocrystalline Ls, and dense tight cherty Ls, minimal visible porosity

Lm- Cream Tan, VFXLN, dense, very well cemented, mostly cryptocrystalline, few w/ scattered secondary porosity, few algal Ls chips, minimal visible porosity

Lm- Buff Cream Tan, F-Med XLN, gritty & granular, some mud supported matrix, chalky in part, some w/ moderate development and scattered pinpoint porosity, some w/ abundant

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |



dense fenestral porosity, tight & well cemented

Lm- Lt Brown Gray Tan, F-Med XLN, sl. clastic, FSL, some dense mud supported matrix, some granular dolomitic Ls, well cemented, trashy, scattered pinpoint porosity

Sh- Black Gray Lime Maroon Lime Green, soft, smooth, few sticky gray & white clumps

Lm- Lt Gray Cream Tan, FXLN, well cemented, minimal development, mostly dense, scattered microcrystalline porosity, tight

Lm- Buff Cream, FXLN, dense, FSL, poorly developed, chalky in part, scattered porosity, no shows noted, few chips of FSL bedded chert

Lm- Lt Gray Cream, F-Med XLN, gritty & sl. granular, dense, well cemented, FSL fragments, limited visible porosity

Lm- Buff Cream, VFXLN, mix of mud supported matrix siltstone and dense sub-cryptocrystalline w/ no visible porosity

Lm- Cream Tan, Fine grn., mostly soft chalky siltstone, few chips of dense massive, well cemented FSL mudstone w/ minimal visible porosity

Chert- Smokey Gray, VFXLN, FSL w/ fusulinids, sharp angular bedded chert, few chips gritty & granular sl. dolomitic chert

Lm- Cream Tan, FXLN, dense, well cemented, semi-brittle, sub-cryptocrystalline, minimal visible porosity, mottled, chalky in part

**HEEBNER 3254' (-1242) E-LOG 3254' (-1242)** Sh- Black Gray, carbonaceous, dense, very well compacted, grainy

Sh- Gray Lime Green Maroon, soft, gritty & earthy, sticky argillaceous clumps

**TORONTO 3276' (-1264) E-LOG 3275' (-1263)** Lm- Cream Tan, FXLN, clean, chalky in part, scattered development, sl. FSL, some cryptocrystalline & dense, some w/ scattered XLN porosity, 2-3 CHIPS W/ DRK RESIDUAL STN, 1 CHIP W/ SL SFO, NO ODR

Sh- Gray Brown Maroon Lime Green, soft, gritty & earthy, mostly well compacted

**LKC 3299' (-1287) E-LOG 3301' (-1289)** Lm- Cream Tan, FXLN, dense, mostly sub-cryptocrystalline, limited development & visible porosity, few massive chips w/ micro-porosity, very well cemented, 1 CHIP W/ SCATTERED PINPOINT POROSITY, RARE LT STN, NO SFO, NO ODR

Lm- Cream Tan, FXLN, semi-brittle, scattered XLN porosity w/ abundant secondary porosity, scattered development, chalky in part, 1 CHIP W/ LT STN, NO SFO, VRY FNT ODR UPON CRUSH, CONSISTANT PINPOINT POROSITY, BRIGHT FLOR, NO CUT

Lm- Cream Tan, FXLN, scattered development, semi-brittle, dense, well cemented, scattered pinpoint porosity, scattered solution veins w/ recrystallization w/ in, DRK GILSONITIC RESIDUE, NSFO, NO ODR

Sh- Gray Maroon, soft, smooth, few dense waxy chips

Lm- Cream Tan, Coarse XLN, oolitic, highly FSL, well developed w/ consistant pinpoint to sub-vugular porosity, EVEN LT GSY STN, SL SFO, FNT ODR UPON CRUSH, DULL FLOR. W/ SLOW STREAMING WET CUT

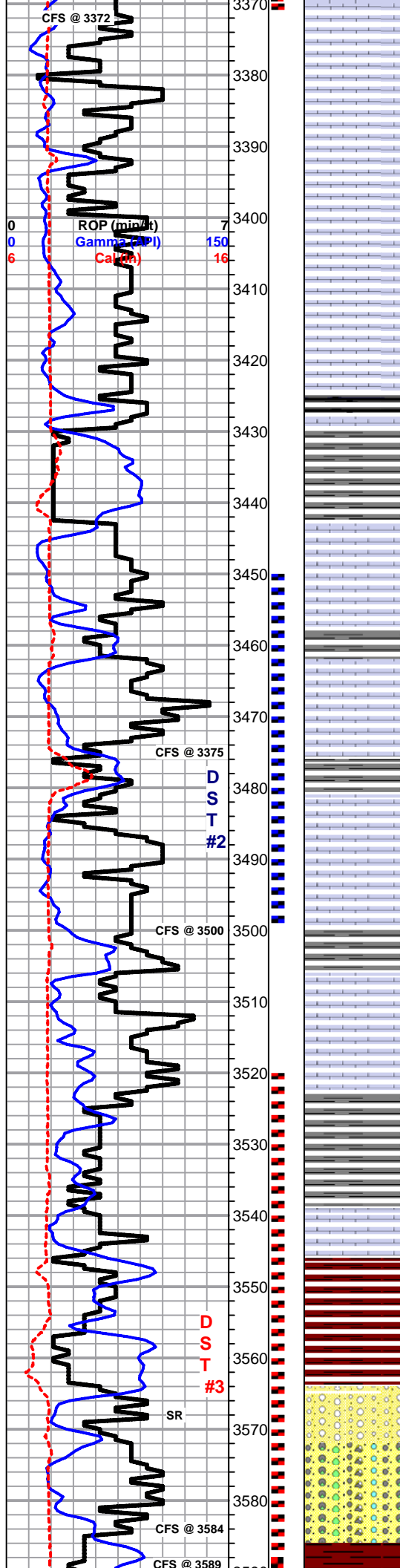
Lm- Cream Tan, FXLN, scattered development, dense w/ scattered XLN to pinpoint, FEW

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |

SHORT TRIP  
SLOPE 1dgr  
BOARD 3398.78  
STRAP 3398.24  
STRAP -0.54

DST #1  
3335 - 3372

CHIPS W/ SCATTERED DRK GSY STN, FR ODR, SL SHOW OF GSY FO UPON CRUSH



Lm- Cream Tan, Med-Coarse XLN, oolitic, development varies from minimal w/ dense cementation to well developed, oolitic clusters w/ good interparticle porosity, DRK GSY SCATTERED STN, SL SFO, FNT ODR UPON CRUSH

Lm- Cream Off White, FXLN, dense, well cemented, little to no development, sub-cryptocrystalline, tight

Lm- Cream Tan, Fine grn., dense, chalky in part, algal Ls, no visible porosity

Sh- Black Gray Maroon, carbonaceous, fissile, well compacted, some soft, gritty & earthy, few chips of sharp angular bedded chert

Lm- Cream Tan, FXLN, sl. FSL, chalky in part, mostly dense w/ scattered microcrystalline porosity, scattered development, few chips w/ abundant secondary porosity, FEW CHIPS W/ LT GSY STN, MOSTLY FLAKEY DEAD STN, 1 CHIP W/ SL GSY SHEEN, NSFO, VRY FNT ODR UPON CRUSH

Sh- Gray Lime Green, dense, blocky, waxy

Lm- Cream Tan, FXLN, sl. FSL, limited development, scattered pinpoint porosity, mostly dense, few chips w/ good secondary porosity, possible fracturing, LT SCATTERED FLAKEY RESIDUAL STN, NO SFO, NO ODR

Sh- Gray Lime Green Maroon, soft, smooth, few dense slivers, few speckled w/ dark minerals

Lm- Cream Tan, FXLN, sl. oolitic, oolitic w/ scattered dissolution & limited interconnectivity, scattered developed, SCATTERED LT STN, SL. SFO, NO ODR

Lm- Cream Tan, FXLN, dense, poorly developed, limited visible porosity, clean & barren

Lm- Cream Tan, FXLN, densely packed w/ oolites, siliceous cementation, minimal development, tight & well cemented, no visible porosity

Lm- Cream Tan, VFXLN, dense, cryptocrystalline, tight, no visible porosity

Lm- Cream Buff, FXLN, dense, microcrystalline, scattered visible porosity, minimal development, sl. FSL, clean & barren

Lm- Buff Cream, VF grn., dense, very well cemented, tight packstone and algal Ls, no visible porosity

**BKC 3544' (-1532) E-LOG 3546' (-1534)** Sh- Red Maroon Lime Green, very dense & well compacted, some smooth, soft & earthy

Sh- A/A

Conglomerate- Mix of various colored shales, few chips of orange/semi-translucent bedded chert and clastic sl. FSL Ls.

Cherty/Dolomitic Conglomerate- Mix of dolomitic chert, cherty dolomite, and eroded & reworked dolomite, Dolomite- Med XLN, mostly consolidated w/ pinpoint porosity, few chips w/ DRK SCATTERED STN, NO SFO, VRY FNT ODR

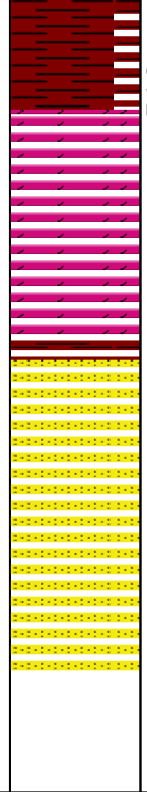
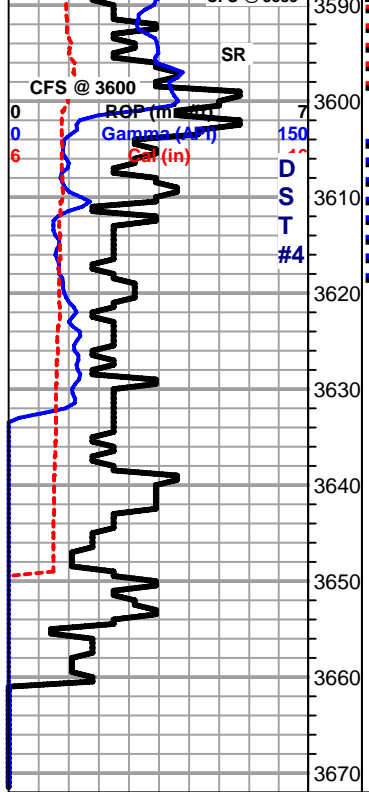
Cherty/Dolomitic mix, few chips of med XLN consolidated dolomite, chips of salmon tinted chert & dolomite, few chips of white glauconite speckled dolomite

Cherty Conglomerate- various mix of dark colored shales, sl. unconsolidated, various

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |

DST #2  
3450 - 3500

DST #3  
3520 - 3600



colored bedded chert

Conglomerate- A/A, Sandy dolomite- well to poorly sorted, very friable, some w/ green glauconite tinted lime, SFO UPON CRUSH, INSTANT FLOR. UPON CRUSH, **ARBUCKLE**

**3600' (-1588) E-LOG 3601' (-1589)** Dolomite- Cream Buff, Med XLN, consolidated, sl. friable, mostly consistant pinpoint porosity, LT BRWN STN, SL SFO, DULL TO BRIGHT FLOR. 20" smpl. STRONG ARBUCKLE ODR 40" smpl. STRONG ODR

Dolomite, crm-tan, frxnln-granular with scattered medxln with depth. Light odor but little visible porosity in samples.

**REAGAN SAND E-LOG 3627' (-1615)** Sandstone, qtz, fair to good sorting, clear polished, rounded surfaces, light saturated stain in part with good streaming wet cut. Noted few specks of free oil with very light odor which could be carry over from upper arbutckle.

**THIS ZONE WAS TESTED IN THE BECKER #1 NW NW SE AND RECOVERED 2460' OF SALTWATER WITH A REAGAN SAND DATUM OF -1615.**

**RTD 3660' (-1648) LTD 3659' (-1647)**

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |

DST #4  
STRADDLE  
3604-3619



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 417

Cell 785-324-1041

|                     |              |      |          |       |                  |                                                                                                                                                                                |    |        |      |                                                                                  |    |             |  |        |         |
|---------------------|--------------|------|----------|-------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|------|----------------------------------------------------------------------------------|----|-------------|--|--------|---------|
| Date                | 5-12-12      | Sec. | 6        | Twp.  | 16               | Range                                                                                                                                                                          | 18 | County | Rush | State                                                                            | Ks | On Location |  | Finish | 11:30PM |
| Lease               | werth        |      | Well No. | 1     |                  | Location Hay's, Ks - 5 to C.L., 24W                                                                                                                                            |    |        |      |                                                                                  |    |             |  |        |         |
| Contractor          | Discovery #4 |      |          |       |                  | Owner Sinto                                                                                                                                                                    |    |        |      |                                                                                  |    |             |  |        |         |
| Type Job            | Plug         |      |          |       |                  | To Quality Oilwell Cementing, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |    |        |      |                                                                                  |    |             |  |        |         |
| Hole Size           | 7 7/8"       |      | T.D.     | 3660' |                  |                                                                                                                                                                                |    |        |      |                                                                                  |    |             |  |        |         |
| Csg.                |              |      |          |       |                  | Charge To Mustang Energy                                                                                                                                                       |    |        |      |                                                                                  |    |             |  |        |         |
| Tbg. Size           | 4 1/2" D.P.  |      | Depth    | 3578' |                  |                                                                                                                                                                                |    |        |      |                                                                                  |    |             |  |        |         |
| Tool                |              |      |          |       |                  | Street                                                                                                                                                                         |    |        |      |                                                                                  |    |             |  |        |         |
| Cement Left in Csg. |              |      |          |       |                  | City                                                                                                                                                                           |    |        |      |                                                                                  |    |             |  |        |         |
| Meas Line           |              |      |          |       |                  | State                                                                                                                                                                          |    |        |      |                                                                                  |    |             |  |        |         |
|                     |              |      |          |       | Shoe Joint       |                                                                                                                                                                                |    |        |      | The above was done to satisfaction and supervision of owner agent or contractor. |    |             |  |        |         |
|                     |              |      |          |       | Displace H2O/mud |                                                                                                                                                                                |    |        |      | Cement Amount Ordered 210 sx 60/110 4% Gel 4 lbs.                                |    |             |  |        |         |

**EQUIPMENT**

|         |      |     |          |       |          |
|---------|------|-----|----------|-------|----------|
| Pumptrk | 9    | No. | Cementer |       | Common   |
|         |      |     | Helper   | Matt  |          |
| Bulktrk | 10   | No. | Driver   | Brian | Poz. Mix |
|         |      |     | Driver   |       |          |
| Bulktrk | piu. | No. | Driver   | Rock  | Gel.     |
|         |      |     | Driver   |       |          |

**JOB SERVICES & REMARKS**

|                    |                         |
|--------------------|-------------------------|
| Remarks:           | Calcium                 |
| Rat Hole           | Hulls                   |
| Mouse Hole         | Salt                    |
| Centralizers       | Flowseal                |
| Baskets            | Kol-Seal                |
| D/V or Port Collar | Mud CLR 48              |
| 3578' - 50sx       | CFL-117 or CD110 CAF 38 |
| 1200' - 50sx       | Sand                    |
| 450' - 40sx        | Handling                |
| 60' - 20sx         | Mileage                 |

**FLOAT EQUIPMENT**

|                      |                |
|----------------------|----------------|
| Rathole - 30sx       | Guide Shoe     |
| Mousehole - 20sx     | Centralizer    |
| Cement did Circulate | Baskets        |
|                      | AFU Inserts    |
|                      | Float Shoe     |
|                      | Latch Down     |
|                      | Pumptrk Charge |
|                      | Mileage        |

|  |              |
|--|--------------|
|  | Tax          |
|  | Discount     |
|  | Total Charge |

X Signature *[Signature]*



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No. 347

Cell 785-324-1041

| Date                                 | Sec. | Twp.                                | Range | County                                                                                                                                                                         | State | On Location | Finish  |
|--------------------------------------|------|-------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------|
| 5-6-12                               | 6    | 16                                  | 18    | Rush                                                                                                                                                                           | KS    |             | 10:30pm |
| Lease Werth                          |      | Well No. 1                          |       | Location Hays 5 CO. Line 2 1/4 W Sinto                                                                                                                                         |       |             |         |
| Contractor Discovery #4              |      |                                     |       | Owner                                                                                                                                                                          |       |             |         |
| Type Job Surface                     |      |                                     |       | To Quality Oilwell Cementing, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |       |             |         |
| Hole Size 12 1/4                     |      | T.D. 1185                           |       | Charge To Mustang Energy                                                                                                                                                       |       |             |         |
| Csg. 8 5/8                           |      | Depth 1185                          |       | Street                                                                                                                                                                         |       |             |         |
| Tbg. Size                            |      | Depth                               |       | City State                                                                                                                                                                     |       |             |         |
| Tool                                 |      | Depth                               |       | City State                                                                                                                                                                     |       |             |         |
| Cement Left in Csg. <del>27.45</del> |      | Shoe Joint 27.45                    |       | The above was done to satisfaction and supervision of owner agent or contractor.                                                                                               |       |             |         |
| Meas Line                            |      | Displace <del>27.45</del> 73.12 BCL |       | Cement Amount Ordered 450 com 3% gel 2% gel 1/4 #FLO                                                                                                                           |       |             |         |
| <b>EQUIPMENT</b>                     |      |                                     |       |                                                                                                                                                                                |       |             |         |
| Pumptrk 15                           | No.  | Cement Helper                       | Coig  | Common 430                                                                                                                                                                     |       |             |         |
| Bulktrk                              | No.  | Driver                              | Cody  | Poz. Mix                                                                                                                                                                       |       |             |         |
| Bulktrk 12                           | No.  | Driver                              | Lowy  | Gel. 9                                                                                                                                                                         |       |             |         |
| <b>JOB SERVICES &amp; REMARKS</b>    |      |                                     |       |                                                                                                                                                                                |       |             |         |
| Remarks:                             |      |                                     |       | Calcium 16                                                                                                                                                                     |       |             |         |
| Rat Hole                             |      |                                     |       | Hulls                                                                                                                                                                          |       |             |         |
| Mouse Hole                           |      |                                     |       | Salt                                                                                                                                                                           |       |             |         |
| Centralizers                         |      |                                     |       | Flowseal 112#                                                                                                                                                                  |       |             |         |
| Baskets                              |      |                                     |       | Kol-Seal                                                                                                                                                                       |       |             |         |
| D/V or Port Collar                   |      |                                     |       | Mud CLR 48                                                                                                                                                                     |       |             |         |
| 8 5/8 on bottom. Est. Circulation.   |      |                                     |       | CFL-117 or CD110 CAF 38                                                                                                                                                        |       |             |         |
| Mix 450 com Displace Plug.           |      |                                     |       | Sand                                                                                                                                                                           |       |             |         |
| Cement Circulated!                   |      |                                     |       | Handling 465                                                                                                                                                                   |       |             |         |
| Plug landed @ 900ft.                 |      |                                     |       | Mileage                                                                                                                                                                        |       |             |         |
| Shot in @ 700ft.                     |      |                                     |       | <b>FLOAT EQUIPMENT</b>                                                                                                                                                         |       |             |         |
|                                      |      |                                     |       | Guide Shoe                                                                                                                                                                     |       |             |         |
|                                      |      |                                     |       | Centralizer 8 5/8                                                                                                                                                              |       |             |         |
|                                      |      |                                     |       | Baskets Baffle Plate                                                                                                                                                           |       |             |         |
|                                      |      |                                     |       | AFU Inserts                                                                                                                                                                    |       |             |         |
|                                      |      |                                     |       | Float Shoe                                                                                                                                                                     |       |             |         |
|                                      |      |                                     |       | Latch Down                                                                                                                                                                     |       |             |         |
|                                      |      |                                     |       | Pumptrk Charge Long Surface                                                                                                                                                    |       |             |         |
|                                      |      |                                     |       | Mileage 15                                                                                                                                                                     |       |             |         |
|                                      |      |                                     |       | Tax                                                                                                                                                                            |       |             |         |
|                                      |      |                                     |       | Discount                                                                                                                                                                       |       |             |         |
|                                      |      |                                     |       | Total Charge                                                                                                                                                                   |       |             |         |
| Signature <i>[Signature]</i>         |      |                                     |       |                                                                                                                                                                                |       |             |         |