

OPERATOR

Company: MUSTANG ENERGY CORPORATION
 Address: PO BOX 1121
 HAYS, KANSAS 67601

Contact Geologist: ROD BRIN
 Contact Phone Nbr: 785-623-0533
 Well Name: DOLECHEK #1
 Location: S2 S2 NE SW Sec.1-16s-19w
 Pool: WILDCAT
 State: KANSAS

API: 15-165-22,046-00-00
 Field: UNNAMED
 Country: U.S.A.



MUSTANG

ENERGY CORPORATION

Scale 1:240 Imperial

Well Name: DOLECHEK #1
 Surface Location: S2 S2 NE SW Sec.1-16s-19w
 Bottom Location:
 API: 15-165-22,046-00-00
 License Number: 33922
 Spud Date: 11/27/2013
 Region: ELLIS COUNTY
 Drilling Completed: 12/3/2013
 Surface Coordinates: 1550' FSL & 1980' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2026.00ft
 K.B. Elevation: 2034.00ft
 Logged Interval: 2900.00ft
 Total Depth: 3680.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

Time: 3:00 PM
 Time: 3:30 PM
 To: 3680.00ft

SURFACE CO-ORDINATES

Well Type: Deviated
 Longitude: -99.3754128
 N/S Co-ord: 1550' FSL
 E/W Co-ord: 1980' FWL

Latitude: 38.6888131

LOGGED BY

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

Phone Nbr: (785) 639-1337
 Logged By: GEOLOGIST
 Name: CHRIS NEELEY

CONTRACTOR

Contractor: DISCOVERY DRILLING
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 11/27/2013
 TD Date: 12/3/2013
 Rig Release: 12/5/2013

Time: 3:00 PM
 Time: 3:30 PM
 Time: 4:45 AM

ELEVATIONS

K.B. Elevation: 2034.00ft
 K.B. to Ground: 8.00ft

Ground Elevation: 2026.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING MADE BASED ON POSITIVE RESULTS OF MULTIPLE DRILL STEM TESTS AND STRUCTURAL POSITION

OPEN HOLE LOGGING CARRIED OUT BY NABORS COMPLETION AND PRODUCTION SERVICES CO.: DUAL INDUCTION LOG, MICRO LOG, AND COMPENSATED DENSITY/NEUTRON LOGS PRODUCED

DRILL STEM TESTING CARRIED OUT BY TRILOBITE TESTING INC. TWO CONVENTIONAL BOTTOM HOLE TESTS, AND TWO STRADDLE TESTS PERFORMED.

Daily Activity Report

for

Dolechek #1

S2-S2-NE-SW of Section 1, Township 16 South, Range 19 West


11/27/13	Rig-up, Spud in: 3:00 pm, Slope: ¾° at 342'
11/28/13	1008' drilling, Slope: 1° at 1222' 8 5/8" surface casing set at: 1222' with 450 sxs common 3% gel/2% CC, WOC
11/29/13	1370' drilling
11/30/13	2222' 1 1/2"

11/30/13	2522 drilling
12/01/13	3075' drilling, CFS: 3448, Short trip :X stands, CCH 1 1/2 hours, Slope: 1 1/4° at 3348, Strap: 0.36' short, Drill stem test #1: 3297'-3348' 'A' zone
12/02/13	3075' Tripping in, CFS: 3588, CFS: 3611, CFS: 3614, Mini trip: 10 stands, CCH: 1 1/2 hours, Slope: 2°, Drill Stem Test #2: 3556'-3614' 'L' zone to Arbuckle
12/03/13	3614' Drill deeper to RTD: 3680', CFS/CCH: 1 1/2 hours, Slope: Misrun, Logging: Stack micro, Drill stem test #3: 3613'-3622' Arbuckle
12/04/13	3680' Drill stem test #4: 3460'-3538' 'I'-'K'

FORMATION TOPS SUMMARY

		BLACK DIAMOND OIL, INC.		C. C. & S. OIL COMPANY, INC.		MUSTANG ENERGY CORPORATION							
		WERTH "B" #1		WERTH #1		GOTTSCHALK A-1							
		52-52-NE-SW Sec. 1, T16S, R19W		NW-SW-NE-SE Sec. 1, T16S, R19W		52-NW-SW-SE Sec. 2, T16S, R19W							
		KB 2034		KB 2018		KB 1994							
		KB 2041											
		LOG TOPS		SAMPLE TOPS		RAG LOG							
		LOG		LOG		COMPLETION CARD							
		LOG		LOG		MICRO LOG							
		LOG		LOG		LOG							
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.
ANHYDRITE	1221	+813	1219	+815	1199	+819	-6	1182	+812	+1	1243	+798	+15
ANHYDRITE BASE	1251	+783	1248	+786	1230	+788	-5				1274	+767	+16
TOPEKA	2982	-948	2984	-950	2969	-951	+3	2948	-954	+6	2988	-947	-1
HEEBNER	3269	-1235	3272	-1238	3254	-1236	+1	3235	-1241	+6	3278	-1237	+2
TORONTO	3291	-1257	3292	-1258	3274	-1256	-1	3255	-1261	+4	3298	-1257	+0
LANSING K.C.	3313	-1279	3317	-1283	3307	-1289	+10	3285	-1291	+12	3318	-1277	-2
K.C. BASE	3561	-1527	3563	-1529	3548	-1530	+3	3525	-1531	+4	3565	-1524	-3
MARMATON	3588	-1554	3590	-1556	3578	-1560	+6				3594	-1553	-1
CONGLOMERATE	3598	-1564	3597	-1563	3591	-1573	+9				3602	-1561	-3
ARBUCKLE	3607	-1573	3606	-1572	3606	-1588	+15	3584	-1590	+17	3611	-1570	-3
REAGAN	3652	-1618	3647	-1613	3640	-1622	+4	3602	-1608	-10	3655	-1614	-4
RTD			3680	-1646	3695	-1677		3640	-1646		3718	-1677	
LTD	3681	-1647			3693	-1675		3619	-1625		3714	-1673	

DRILL STEM TEST #1 3297' TO 3348' LKC "C" ZONE

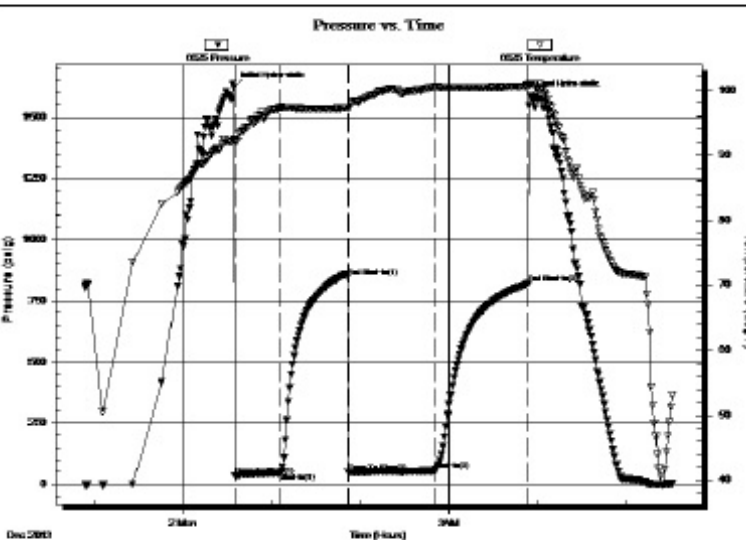
	DRILL STEM TEST REPORT	
	Mustang Energy Corporation Po Box 1121 Hays Ks 67601 ATTN: Chris Neeley	1-16s-19w Dolechek #1 Job Ticket: 039764 DST#: 1 Test Start: 2013.12.01 @ 22:53:53

GENERAL INFORMATION:

Formation: LKC-A-C
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:23
 Time Test Ended: 05:32:53
 Interval: 3297.00 ft (KB) To 3348.00 ft (KB) (TVD)
 Total Depth: 3348.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: 2034.00 ft (KB)
 2026.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 Outside
 Press@RunDepth: 54.48 psig @ 3334.00 ft (KB)
 Start Date: 2013.12.01 End Date: 2013.12.02
 Start Time: 22:53:54 End Time: 05:31:53
 Capacity: 8000.00 psig
 Last Calib.: 2013.12.02
 Time On Btm: 2013.12.02 @ 00:34:53
 Time Off Btm: 2013.12.02 @ 03:54:53

TEST COMMENT: IFF=Weak blow built to 3-1/4 in
 ISI=Dead no blow back
 FFP=Weak blow built to 3 in
 FSI=Weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1624.46	92.35	Initial Hydro-static
1	33.81	92.11	Open To Flow (1)
31	47.36	97.29	Shut-In(1)
77	845.81	97.22	End Shut-In(1)
77	47.75	97.12	Open To Flow (2)
136	54.48	100.54	Shut-In(2)
199	820.69	100.68	End Shut-In(2)
200	1590.80	100.92	Final Hydro-static


Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud with oil spots	0.51

Gas Rates

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

DRILL STEM TEST #2 3556' TO 3614' LKC "L" ZONE TO ARBUCKLE

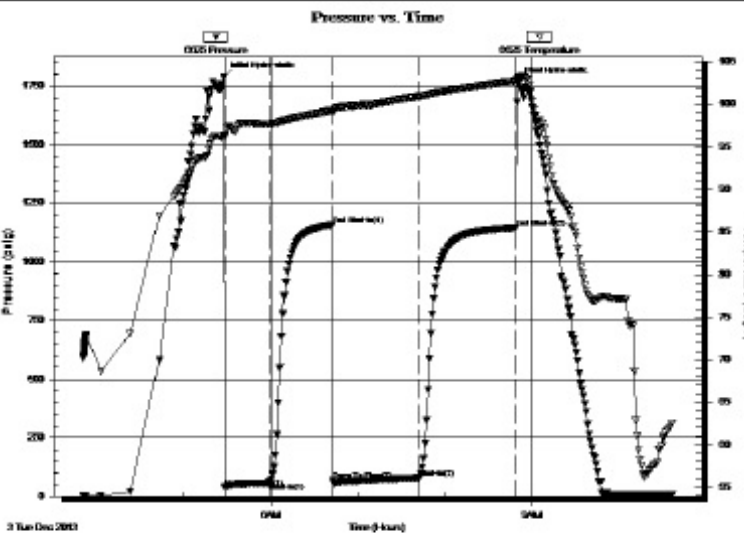
	DRILL STEM TEST REPORT	
	Mustang Energy Corporation Po Box 1121 Hays Ks 67601 ATTN: Chris Neeley	1-16s-19w Dolechek #1 Job Ticket: 039765 DST#: 2 Test Start: 2013.12.03 @ 03:50:36

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **05:27:36**
 Time Test Ended: **10:36:36**
 Interval: **3556.00 ft (KB) To 3614.00 ft (KB) (TVD)**
 Total Depth: **3614.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jeff Brown**
 Unit No: **67**
 Reference Elevations: **2034.00 ft (KB)**
2026.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6625 **Outside**
 Press@RunDepth: **80.78 psig @ 3593.00 ft (KB)**
 Start Date: **2013.12.03** End Date: **2013.12.03**
 Start Time: **03:50:37** End Time: **10:36:36**
 Capacity: **8000.00 psig**
 Last Calib.: **2013.12.03**
 Time On Btm: **2013.12.03 @ 05:27:06**
 Time Off Btm: **2013.12.03 @ 08:49:36**

TEST COMMENT: IFP=Fair blow built to 7 in
 ISL=Dead no blow back
 FFP=Good blow BOB in 31 min
 FSI=Weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.14	96.38	Initial Hydro-static
1	39.88	96.14	Open To Flow (1)
32	60.54	97.69	Shut-In(1)
75	1157.64	99.30	End Shut-In(1)
76	68.31	99.10	Open To Flow (2)
135	80.78	100.90	Shut-In(2)
202	1144.90	102.80	End Shut-In(2)
203	1764.88	103.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
91.00	HOCM 40%O 60%M	1.01
27.00	Gassy Oil 10%G 90%O	0.38
0.00	126-GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST #3 3613' TO 3622' ARBUCKLE



DRILL STEM TEST REPORT

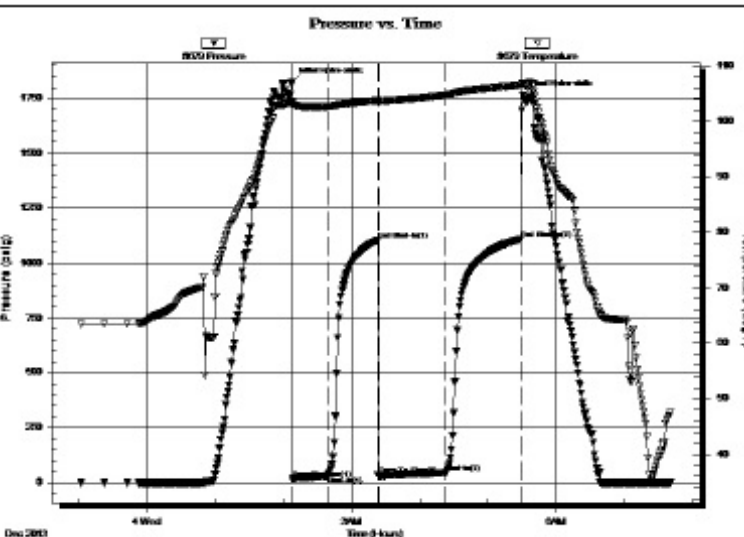
Mustang Energy Corporation **1-16s-19w**
 Po Box 1121 **Dolechek #1**
 Hays Ks 67601
 Job Ticket: 039766 **DST#: 3**
 ATTN: Chris Neeley
 Test Start: 2013.12.03 @ 23:02:04

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **02:07:57**
 Time Test Ended: **06:54:57**
 Interval: **3613.00 ft (KB) To 3622.00 ft (KB) (TVD)**
 Total Depth: **3680.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Straddle (Reset)**
 Tester: **Jeff Brown**
 Unit No: **67**
 Reference Elevations: **2034.00 ft (KB)**
2026.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8679 **Inside**
 Press@RunDepth: **43.82 psig @ 3618.00 ft (KB)**
 Start Date: **2013.12.03** End Date: **2013.12.04**
 Start Time: **23:02:27** End Time: **07:39:57**
 Capacity: **8000.00 psig**
 Last Calib.: **2013.12.04**
 Time On Btm: **2013.12.04 @ 02:07:27**
 Time Off Btm: **2013.12.04 @ 05:30:57**

TEST COMMENT: IFP=Fair blow built to 5 in
 ISL=Weak surface blow back built to 1/4 in
 FFP=Fair blow built to 7 in
 FSI=Weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.22	103.40	Initial Hydro-static
1	14.34	102.86	Open To Flow (1)
32	29.19	102.61	Shut-In(1)
76	1101.77	103.74	End Shut-In(1)
76	32.60	103.24	Open To Flow (2)
135	43.82	104.72	Shut-In(2)
202	1107.66	106.62	End Shut-In(2)
204	1764.05	106.77	Final Hydro-static

Recovery			Gas Rates		
Length (ft)	Description	Volume (bbl)	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
60.00	HOCGM 10%G 30%O 60%M	0.58			
10.00	GMCO 5%G 20%M 75%O	0.14			
15.00	Gassy Oil 20%G 80%O	0.21			
0.00	94=GIP	0.00			

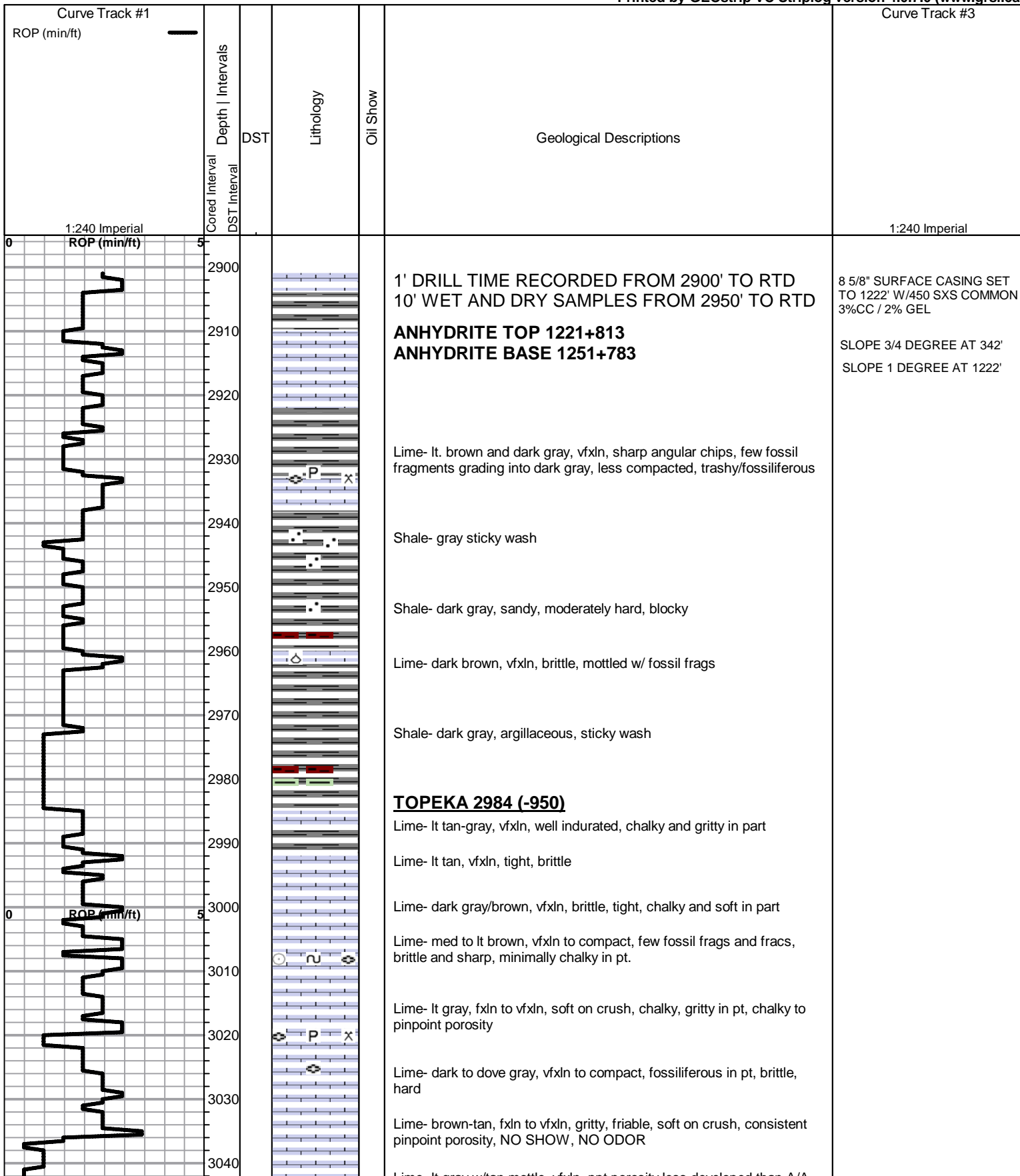
* Recovery from multiple tests

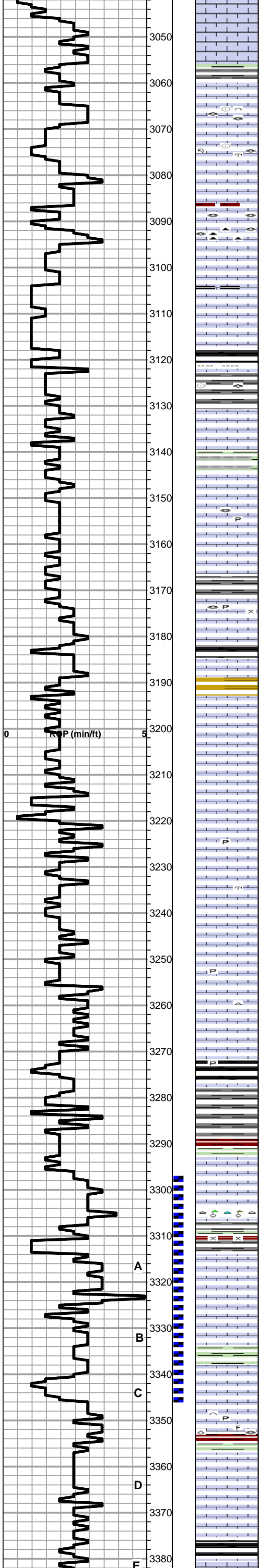
ROCK TYPES					
	Cht		Dol Lime		shale, gry
	Cht vari		Lmst fw7+		Carbon Sh
	Dolprim		shale, grn		shale, red
					Shcol
					Ss

ACCESSORIES		
MINERAL	FOSSIL	STRINGER
▲ Chert, dark	∧ Bioclastic or Fragmental	~~~~ Chert
∟ Dolomitic	⊖ Brachiopod	— Shale
∩ Glauconite	∩ Bryozoa	— green shale
P Pyrite	∩ Coral	— red shale
• Sandy	⊖ Crinoids	— carb shale
△ Chert White	F Fossils < 20%	
Me Mica	⊖ Oolite	
	X Sponge Spicules	
	⊖ Oomoldic	
	⊖ Fossilinid	

OTHER SYMBOLS	
MISC	DST
Daily Report	DST #1
Digital Photo	DST #2
Document	DST #3
Folder	DST #4
Link	
Vertical Log File	
Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	

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Lime- lt gray w/tan mottie, vfxln, ppt porosity less developed than A/A, soft on crush

Lime- dark gray, vfxln, tight, very well compacted
Lime- A/A, Shale- dark gray, green, few chips of black thinly laminated

Lime- tan/gray, vfxln, fossiliferous, well compacted, brittle, some dark gray bedded, fossiliferous chert, significant amount of chalky wash

Lime- tan, fxl, chaotic bedding, soft on crush, fossiliferous, good pinpoint porosity
Lime- tan, vfxln, well compacted, tight, hard, brittle
Lime- tan, fxl, cherty in part, pinpoint porosity, hard on crush

Lime- tan, fxl, fossiliferous, soft on crush, pinpoint porosity
Chert- dark gray, fossiliferous
Lime- fxl, chaotic bedding, trashy, chalky in pt, soft on crush

Lime- tan, vfxln, friable, chalky, soft on crush, consistent pinpoint porosity, some thinly laminated with dark gray shale

Shale- black, hard, carbonaceous, laminated
Lime- tan to cream, compact, cherty luster, very tight

Shale- dove gray, micaceous, sticky and soft; brick red, hard, platy

Lime- A/A, significant increase of tight, clean, barren

Shale- thinly laminated green and gray
Chalk- significant amounts of cream/tan, sticky
Lime- lt gray-tan, vfxln, hard, brittle, tight
Lime- lt gray, vfxln, some chips packed with fusulinids, brittle, hard on crush, some chalky margins

Lime- cream, vfxln, tight, brittle; cream, fxl, chalky in part, consistent pinpoint porosity,

Shale- dove gray, sandy; green, sticky wash
Lime- tan/gray, dark flecks, fxl to vfxln, very well compacted, fossil frags, slightly chety in pt, rare scattered pinpoint porosity

Lime- tan, fxl, moderately compacted, granular, slightly chalky consistent good pinpoint porosity, FAINT SCUM OIL ON CUP, LT BROWN STN IN PORES, NO ODOR, NO OIL ON CRUSH, DULL FLOR, GOOD STRM CUT

Shale- varicolored

Lime- A/A w/improving show-FREE OIL IN CUP, NO ODOR, OIL ON CRUSH

Lime- gray, vfxln, well compacted, pisolitic, chalky and soft in part, some pisolitic chert chips

Lime- lt brown, fxl, trashy, dissolution porosity, intergranular/pinpoint porosity, rotted appearance, soft on crush, FREE OIL ON CRUSH, DARK BROWN STAIN, DULL FLOR, SLOW CUT, NO ODOR

Lime- gray, vfxln, little visible porosity, well compacted, hard on crush; tan, some packstones w/intergranular porosity, hard to crush

Lime- tan, fxl to mxln, good pinpoint porosity, some oomoldic porosity, brittle, SPOTTY BROWN STAIN, FEW CHIPS FREE OIL ON CRUSH, NO ODOR

Lime- tan, fxl, brittle, soft on crush, pinpoint porosity; pulverized oomildic A/A

Lime- tan, fxl, packstone, oolitic/pisolitic in part, grain supported, well cemented

Lime- gray, vfxln to compact, tight, brittle, hard on crush

HEEBNER 3272 (-1238)
Shale- Black, hard, laminated, pyritic, carbonaceous
Lime- medium brown, vfxln, scattered pinpoint porosity, FAINT SHOW

Shale- gray, platy, blocky, waxy, green, sticky

Shale- red and green bedded, waxy

TORONTO 3292 (-1258)
Lime- tan, vfxln, consistent pinpoint porosity w/SPOTTY TO EVEN STAIN, NO OIL ON CRUSH, NO ODOR
Lime- cream, vfxln, clean, barren, tight
chert- brown/tan oolitic, very brittle

Shale- gray, varicolored

LKC 3317 (-1283)
Lime- tan to cream, translucent/oomoldic in pt, well cemented w/pinpoint porosity in pt. SPOTTY STAIN, GOOD ODOR, VSMALL AMOUNT OF OIL ON CRUSH, sample pulverized.

Lime- cream oomoldic, BROWN STAIN IN MOLDS, FEW DROPS OIL IN CUP, FAINT ODOR, chips pulverized, oil possibly washed
Shale- sticky gray, soft, waxy green

Lime- A/A, increasing amounts, and size, INCREASE OF OIL IN CUP, INCREASE IN OIL ON CRUSH, STRONG ODOR, SOME DEAD OIL STAIN

Lime- gray-green, vfxln, mud supported packstone, fossiliferous
Lime- tan, packstone, fusulinids, pisoids, oolites, good intragranular porosity, fair intergranular porosity, SPOTTY TO SAT STN/PORES, DULL FL, GOOD WT STRM CT, NO OIL/CRUSH, NO TO FAINT ODOR

Lime- tan to cream, compact to vfxln, chalky in pt, mostly tight, scattered porosity w/ FAINT STN, NO OIL/CRUSH, GOOD ODOR

Lime- gray, fxl, trashy in pt. soft on crush, chalky porosity

Shale- lots of black, dark gray, green, splintery, mud problems, were noted, carry over

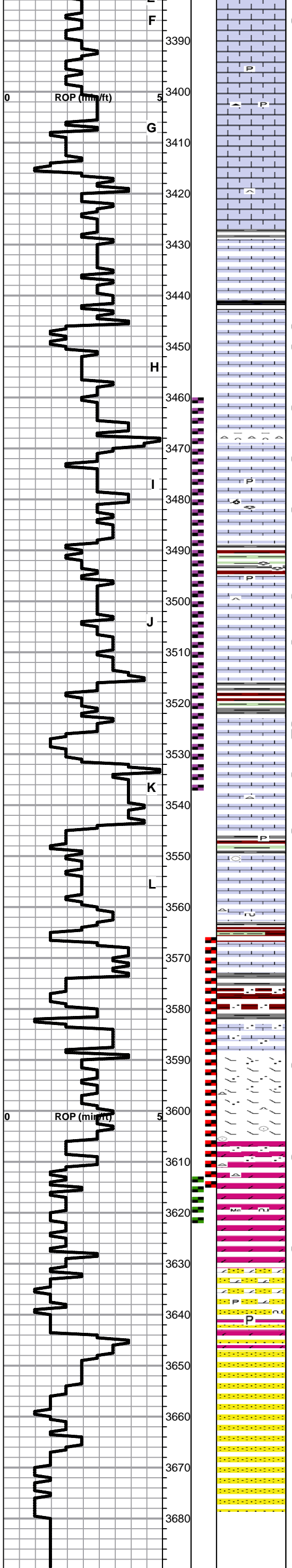
[DRILL STEM TEST #1](#)
3297'-3348'
30-45-45-60

IFP: 34-47 WB BLT TO 3 1/4"
ISIP: 846 NO BLOW BACK
FFP: 48-54 WB BLT TO 3"
FSIP: 821 WSB

[RECOVERY](#)

55' MUD WITH OIL SPOTS

SLOPE 1 1/4 DEGREE AT 3348'
STRAP 0.36' LONG AT 3448'



Lime- cream-tan, fossiliferous oolitic/pisolitic packstone, brittle, chalky in part, scattered good porosity, GOOD ODOR/ODOR ON CRUSH, OIL/CRUSH, FREE OIL, LT BROWN STAIN

Lime- gray-brown, vfxln to fxln, tight; significant chalk
Shale- gray, waxy; green hard; deep red, slick

Lime- tan, vfxln, clean, barren, tight, very well consolidated

Shale- dark gray, red, green

Lime- gray-tan, compact, no visible porosity, sharp angular pieces

Lime- A/A, some with chalky margins

Shale- black carbonaceous, green with black stringers, dark gray
Lime- cream-tan, vfxln, brittle, soft on crush, consistent pinpoint to vuggy porosity, LT BROWN STAIN

Lime- tan, vfxln, bands of pinpoint to vuggy porosity, some oolitic chips, otherwise very hard and tight, BROWN STAIN IN PORES, GOOD ODOR, OIL IN CUP, OIL ON CRUSH

Shows and reservoirs as above
Shale- dark gray, red

Lime- cream to lt tan, vfxln, good pinpoint to vuggy porosity, EVEN DARK BROWN TO BLACK STAIN IN PORES, NO OIL ON CRUSH, SCUM OIL IN CUP, GOOD ODOR

Lime- tan, vfxln, pinpoint to moldic porosity, STAINING IN PORES, FREE OIL IN CUP, OIL ON CRUSH, FAIR ODOR

Shale- red, green, sticky wash, gray platy

Lime- lt gray, dark gray, green tinted from shale, fxln, hard

Lime- medium brown, compact, massive in pt, fossiliferous, chalky, soft on crush in pt FEW CHIPS DARK BROWN STAIN

Lime-A/A, chips stained or tinted green near shale boundary, increase in oolitic/fossiliferous chips with stain

Lime- tan, fxln, oolitic, slightly oomoldic in pt, SPOTTY STAIN IN PORES, FREE OIL ON CRUSH, SOME CHIPS BLEED OIL, FAIR ODOR, SOME DEAD OIL

Chert- flesh, spiculitic, some weathered
Lime- tan-gray, vfxln, primarily tight and barren, some chips slightly vuggy, spotty to even stain, minimal oil on crush, scum in cup

Lime- tan to cream, vfxln, chalky w/pinpoint porosity throughout, soft on crush, brittle and easy to break, few chips with SPOTTY LT STAIN, MINIMAL OIL ON CRUSH

Shale- gray, green, red w/red wash; tinted lime and chert
Lime- shows and reservoir A/A; cream, fxln, tinted green through red at shale boundary, moderate compaction, hummucky bedding, slightly conglomeritic

BASE LKC 3563 (-1529)
Lime- cream to tan, fxln, sucrosic in part NO ODOR NO SHOW
Lime- tan, vfxln, chalky/chalky porosity
Shale- wavy laminated green, red and gray, waxy
Shale- gray and red, blocky and sandy

MARMATON 3590 (-1556)
Lime- cream, tinted green to gray in part, fxln, sucrosic, few chips sandy; one chip of bright orange chert

Dolomitic Lime- white, vfxln, well compacted, hard on crush, SOME CHIPS BROWN SAT STAIN, OIL BUBBLES WITH ACID, STRONG ARBUCKLE-LIKE ODOR, OIL ON CRUSH

ARBUCKLE 3606 (-1571)
Dolomite- medium brown, fxln, sandy in pt, friable, SPOTTY PINPOINT STAIN TO SCATTERED SAT STAIN, BLEEDING OIL, OIL ON CRUSH, OIL IN CUP, STRONG ODOR

Sandstone resulting from dissolution of dolomite, clear quartz grains, mxln-fxln, subangular, moderate sorting, some fused grains, moderately cemented, some clusters more friable, SMALL AMOUNT OF OIL ON CRUSH, GOOD ODOR/ODOR ON CRUSH

Dolomitic sand/sandy dolomite- tan dolomitic matrix, clear quartz, subangular, poorly sorted, moderately well indurated

REAGAN SAND 3647 (-1613)
Sample appears to be A/A, but several loose, fxln-mxln, well-rounded, frosted quartz grains indicate reagan top

Sand few clusters of frosted white, moderately well sorted, quartz grains
Sand- white, well sorted, frosted, fxln, well rounded, white dolomitic cement

DRILL STEM TEST #4
3460'-3538'
15-30-30-45

IFP: 24-45 SB BOB IN 5 MIN
ISIP: 1168 WSB BUILT TO 1/8"
FFP: 44-98 SB BOB IN 30 SEC
FSIP: 1175 WSB BUILT TO 1 3/4"

RECOVERY
60' MCOG 15%G, 15%M, 70%O
94' HOCGM 10%G, 40%O, 50% M
1165' GIP

SEE CHART BELOW

DRILL STEM TEST #2
3556'-3614'
30-45-60-60

IFP: 40-61 FB BUILT TO 7"
ISIP: 1158 NO BLOW BACK
FFP: 68-81 BOB 30 MINUTES
FSIP: 1145 WSB

RECOVERY
91' HOCM 40%O, 60%M
27' GASSY OIL 10%G, 90%O
126' GIP


DRILL STEM TEST #3
3613'-3622'
30-45-60-60

IFP: 14-29 FB BUILT TO 5"
ISIP: 1102 WSB BUILT TO 1/4"
FFP: 33-44 FB BUILT TO 7"
FSIP: 1108 WSB

RECOVERY
60' HOCGM 10%G, 30%O, 60% M
10' GMCO 5%G, 75%O, 20%M
15' GASSY OIL 20%G, 80%O
94' GIP

SLOPE: 2 DEGREES AT 3614'

SLOPE: INVALID RESULT AT 3680'

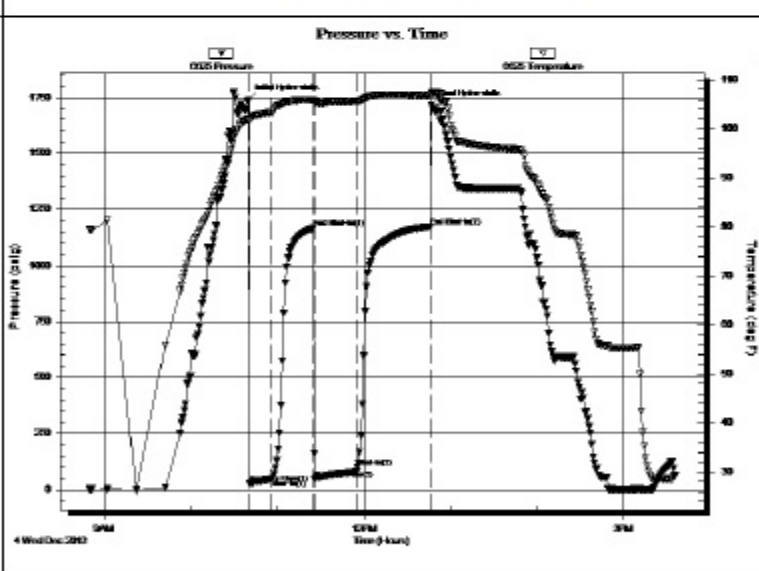
	DRILL STEM TEST REPORT	
	Mustang Energy Corporation Po Box 1121 Hays Ks 67601 ATTN: Chris Neeley	1-16s-19w Dolechek #1 Job Ticket: 039767 DST#: 4 Test Start: 2013.12.04 @ 08:50:25

GENERAL INFORMATION:

Formation: KLC-I-J-K	Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Jeff Brown
Time Tool Opened: 10:40:55	Unit No: 67
Time Test Ended: 15:51:55	
Interval: 3460.00 ft (KB) To 3538.00 ft (KB) (TVD)	Reference Elevations: 2034.00 ft (KB)
Total Depth: 3681.00 ft (KB) (TVD)	2026.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 8.00 ft

Serial #: 6625 Inside	Capacity: 8000.00 psig
Press@RunDepth: 98.33 psig @ 3529.00 ft (KB)	Last Calib.: 2013.12.04
Start Date: 2013.12.04 End Date: 2013.12.04	Time On Btn: 2013.12.04 @ 10:40:25
Start Time: 08:50:26 End Time: 15:34:55	Time Off Btn: 2013.12.04 @ 12:46:55

TEST COMMENT: IFF=Strong blow BOB in 5 min
 ISI=Weak surface blow back built to 1/8 in
 FFP=Strong blow BOB in 30 sec
 FSI=Weak blow back built to 1-3/4 in



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.12	101.89	Initial Hydro-static
1	24.42	101.68	Open To Flow (1)
16	45.50	103.27	Shut-In(1)
45	1168.20	105.88	End Shut-In(1)
46	44.43	105.47	Open To Flow (2)
75	98.33	105.68	Shut-In(2)
126	1174.82	106.84	End Shut-In(2)
127	1717.76	107.21	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	MCGO 15%G 15%M 70%O	0.58
94.00	HOCGM 10%G 40%O 50%M	1.32
0.00	1165=GIP	0.00

* Recovery from multiple tests

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)