



MUSTANG

ENERGY CORPORATION

Scale 1:240 Imperial

Well Name: HARMAN #2
Surface Location: N2 N2 NW, Sec. 6- T12S- R18W
Bottom Location:
API: 15-051-26975
License Number: 33922
Spud Date: 10/20/2019 Time: 9:00 AM
Region: ELLIS COUNTY
Drilling Completed: 10/25/2019 Time: 5:30 PM
Surface Coordinates: 330' FNL & 1320' FWL
Bottom Hole Coordinates:
Ground Elevation: 2094.00ft
K.B. Elevation: 2100.00ft
Logged Interval: 3050.00ft To: 3707.00ft
Total Depth: 3707.00ft
Formation: ARBUCKLE/ LKC
Drilling Fluid Type: FRESH WATER/ CHEMICAL GEL

OPERATOR

Company: MUSTANG ENERGY CORP.
Address: PO BOX 1121

Contact Geologist: ROD BRIN
Contact Phone Nbr: (785) 623-0533
Well Name: HARMAN #2
Location: N2 N2 NW, Sec. 6- T12S- R18W
API: 15-051-26975
Pool:
State: KS

Field: BUCKEYE NORTH
Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.365736
Latitude: 39.044
N/S Co-ord: 330' FNL
E/W Co-ord: 1320' FWL

LOGGED BY

Company:
Address: 2717 HICKORY ST
HAYS, KS 67601

Phone Nbr: (785) 639-0721
Logged By: Geologist

Name: CAMERON BRIN

CONTRACTOR

Contractor: FLEX DRILLING INC.
Rig #: 1
Rig Type: MUD ROTARY
Spud Date: 10/20/2019
TD Date: 10/25/2019

Time: 9:00 AM
Time: 5:30 PM

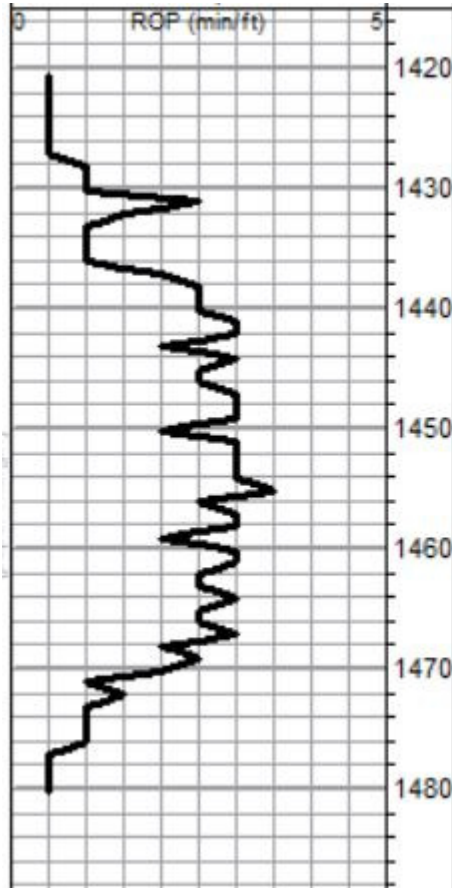
ELEVATIONS

K.B. Elevation: 2100.00ft
K.B. to Ground: 6.00ft

Ground Elevation: 2094.00ft

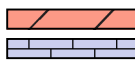
NOTES

DUE TO LACK OF SHOWS AND BEING STRUCTURALLY LOW TO BOTH THE HARMAN #1 AND DESMARTEAU #1, DECISION WAS MADE TO PLUG AND ABANDON THE HARMAN #2 WELL.

ANHYDRITE

ANHYDRITE: SPL 1437' (+663)

BASE: SPL 1470' (+630)

ROCK TYPES

Dolsec



Lscongl



shale, gry



shale, red



Lmst fw7>



shale, grn



Carbon Sh

ACCESSORIES**MINERAL**

P Pyrite
• Sandy
△ Chert White

FOSSIL

F Fossils < 20%
φ Oolite
✱ Oomoldic

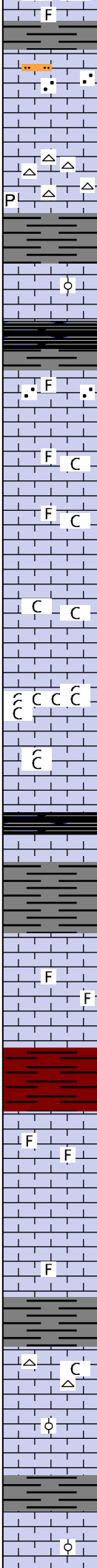
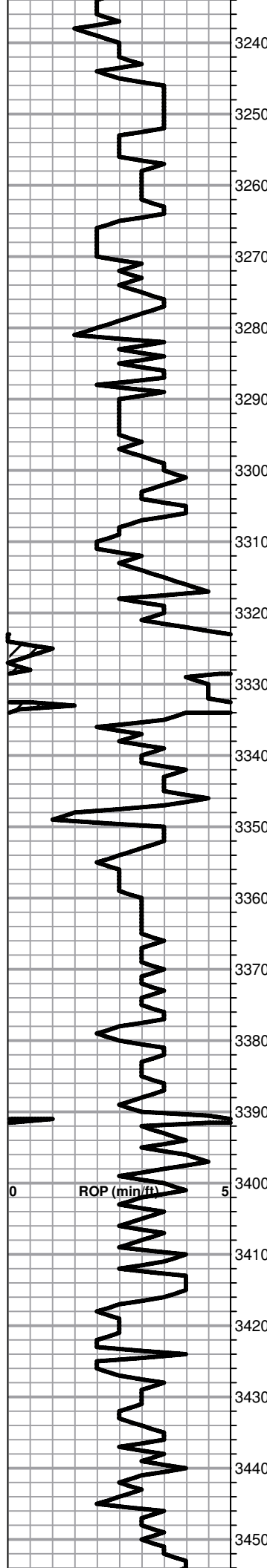
STRINGER

••• Siltstone

TEXTURE

C Chalky

		Depth Interval	DST	Lithology	Oil Show	Geological Descriptions	
		Cored Interval DST Interval					
1:240 Imperial							1:240 Imperial
0	ROP (min/ft)	5				START 1' DRILL TIME FROM 1410'- 1490' FOR ANHYDRITE START 1' DRILL TIME FROM 3050'- RTD 10' WET/ DRY SAMPLES SAVED FROM 3090'- RTD	GEO ON LOCATION @ 9:20 10/24/19 8 5/8 SURFACE CASTING SET @222' SURVEY 1/2° BIT TRIP @ 2995' SURVEY 3/4° DISPLACE @ 2950'
		3050				Lm- crm- gray, fnxln, muddy trashy spls	
		3060					
		3070					
		3080				Sh- gray, soft, clumpy, muddy	
		3090				Sh- A/A	
		3100				Lm- crm- gry, fn-mdxln, spl trashy, muddy	
		3110				Sh- gray, soft, waxy	
		3120				<u>TOPEKA: SPL 3118' (-1018)</u> Lm- tan, micro-fnxln, scat dense	
		3130				Lm- crm- brn, vfn-fnxln, sltly sandy in prt, scat pr inxln por, scar foss	
		3140		△ △		Lm- crm- brn, fn-mdxln, sltly chalky in prt, cherty in prt,	
		3150		F		Lm- off wt-gry, foss	
		3160				Lm- crm- gry, fnxln-mdgrn, mostly soft brittle	
		3170		□ □		Lm- crm- gry, fnxln, sltly sandy, scat pr inxln por	
		3180				Lm- A/A	
		3190			○	Lm- crm-tan, fnxln, 1-2 pcs w/ pr inxln por, pr brn stn, slt SFO upon crush, no odor	
		3200		C C		Lm- crm- gry, fnxln- fngrn, chalky in prt, scat foss	
		3210					
		3220			○	Lm- gray- crm, fnxln, scar pr inxln por, 1-2 pcs w/ pr blk flky oil stn, FO sheen upon crush, no odor	
		3230				Sh- blk-gray	
						Lm- tan, fnxln, chalky throughout, foss	
				C C			



Lm- crm-gry, vfn-fnxln, mostly chalky & soft, scat foss

Lm- gry-tan, fnxln, scat sandy, muddy red wash

Lm- crm-tan, micro-fnxln, chert throughout, dense

Lm- crm-tan, v. fn-fnxln, cherty, sltly oolitic, scat pyrite

Lm- crm, v. fn-fnxln, scat oolitic, few scat w/ pr ppt por, NSO

Sh- blk, carb

Lm- crm-gry, fn-mdxln, foss throughout, few scat well consolidated SS clusters

Lm- tan- gry, fnxln, chalky in prt, scat foss

Lm- crm- tan, fnxln, chalky in prt, scat foss, mostly dense

Lm- off wt, v. fn-fnxln, chalky throughout, mostly dense, no vis por, NSO, v. pr gassy odor

Lm- crm, fnxln, chalky, scat v. pr ppt-inxln por, few pcs v. pr brn stn possibly dead oil, NFO, no odor

Lm- A/A

HEEBNER: SPL 3348' (-1248)

Sh- blk, carb

Lm- crm-off wt, vfn-fnxln, chalky, scat chert, scat foss, barren, few scat pr ppt-inxln por, NSO

TORONTO: SPL 3365' (-1265)

Lm- crm-off wt, micro-v. fnxln, scat foss, scat v. pr inxln por, scat v. pr lt brn stn in por, NSFO, v. pr odor

Sh- red, muddy red wash

LKC: SPL 3390' (-1290)

Lm- crm, micro- v. fnxln, foss throughout, mostly barren

Lm-crm- gry, v. fn-fnxln, dense, barren, v. few pcs w/ v. pr inxln por, NSO

Lm- crm w/ few pcs pinkish purple, v. fnxln, scat foss

Lm- crm-gry, fnxln, mostly dnse, chlky in prt, scat chert, sltly foss, v. few pcs w/ v. pr inxln por, v. lt brn stn, NSFO, no odor

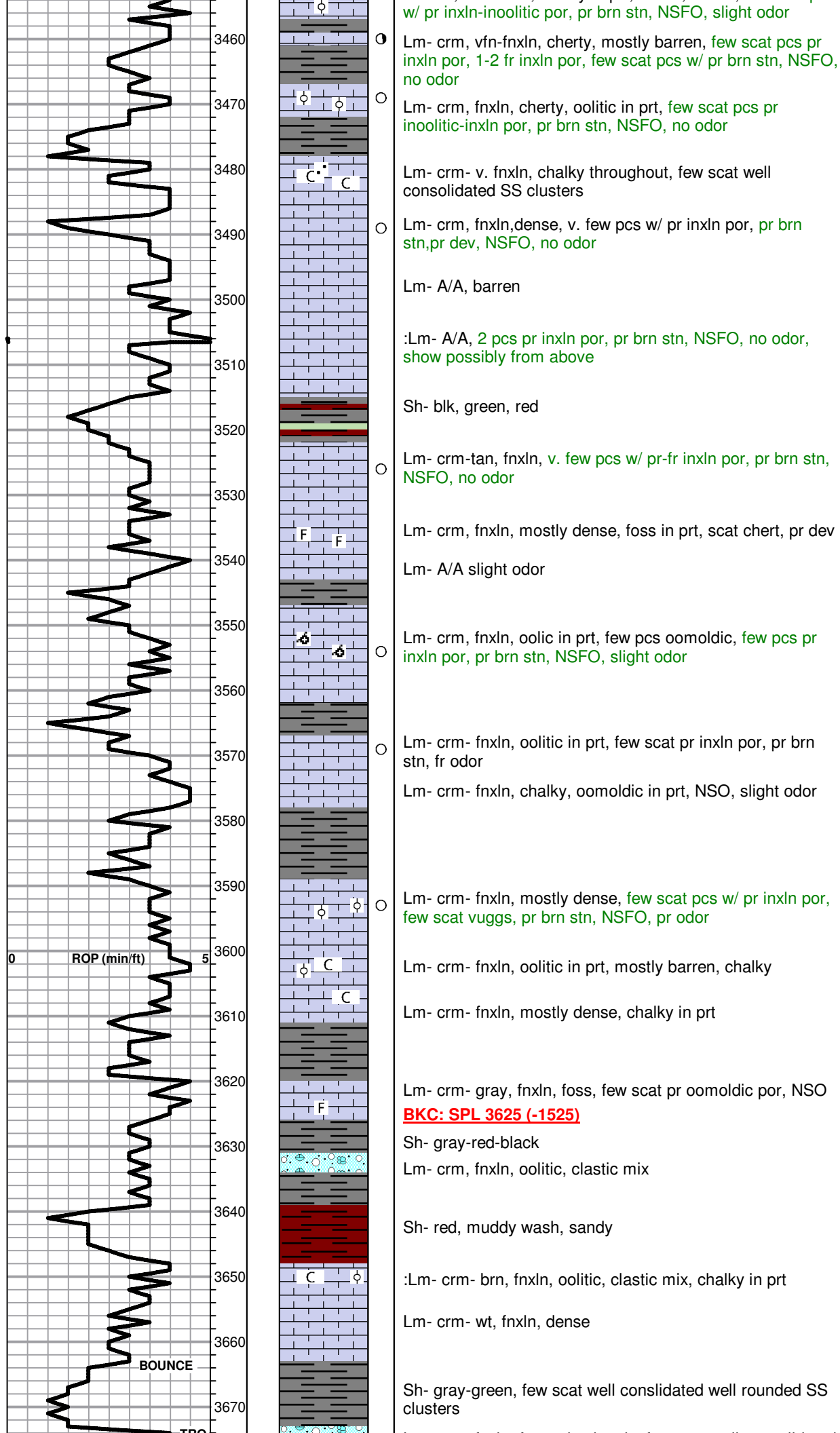
Lm- crm, fnxln, oolitic, few scat pcs w/ pr inoolitic- ppt por, pr brn stn, NSFO, pr odor

Lm- crm, fnxln, few pcs w/ pr inxln por, pr lt brn stn, 1-2 pcs fr infoss por, pr-fr brn stn, mostly pr dev, NSFO, slight odor

Lm- wt, v.fn-fnxln, chalky in prt, oolitic, dense, few scat pcs

VIS 58
WT 8.5
LCM 2#

VIS 60
WT 8.5
LCM 2#



VIS 54
WT 8.6
LCM 2#

CFS @ 3670

