

**GRAND
MESA****OPERATING COMPANY**(316) 265-3000
FAX: (316) 265-34551700 N. WATERFRONT PARKWAY
BLDG. 600
WICHITA, KANSAS 67206-5514Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: E & E #2-34
Location: 2078' FSL, 1667' FWL, 34-13S-32W, Logan County, Kansas
License Number: API: 15-109-21177 Region: Wildcat
Spud Date: 5-15-2013 Drilling Completed: 5-25-2013
Surface Coordinates: Lat: 38.8786452
Long: -100.865586
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2906 K.B. Elevation (ft): 2917'
Logged Interval (ft): surf To: RTD Total Depth (ft): 4640
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: Bob Schreiber 3600-4340, Steve Carl 4340-TD
Company:
Address:

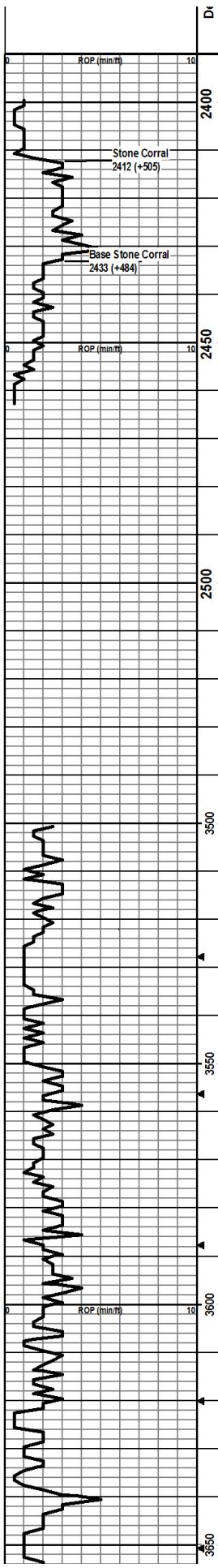
COMMENTS

Contractor: H-2 Rig #
Pusher: Randy Smith
Surface Casing: 8 5/8" set at 227' w/165sx
Production Casing: none
Mud by: MudCo
DST's by: Diamond Testing
Logs by: Weatherford (DIL, CN-CD, ML, SONIC)
RTD=4640'
LTD=4640'

FORMATION TOPS

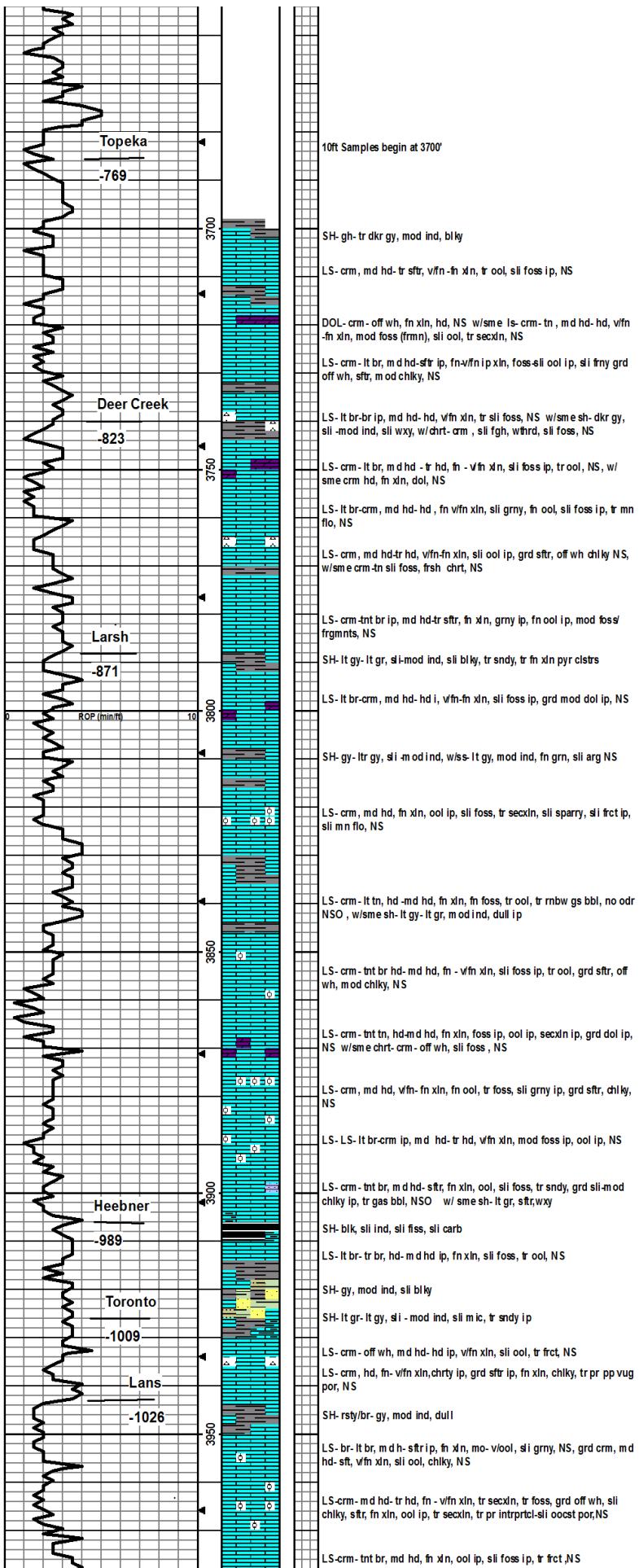
FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2412'	+505	2410	+507
B/Stone Corral	2433'	+484	2430'	+487
Heebner Shale	3906'	-989	3902'	-985
Lansing	3941'	-1024	3941'	-1024
Muncie Creek Shale	4104'	-1187	4104'	-1187
Stark Shale	4186'	-1269	4186'	-1269
BKC	4252'	-1335	4251'	-1334
Marmaton	4285'	-1368	4283'	-1366
Little Osage Shale	4415'	-1498	4414'	-1497
Johnson Zone	4511'	-1594	4508'	-1591
Mississippian	4575'	-1658	4575'	-1658
RTD	4640'	-1723		
LTD	4640'	-1723		

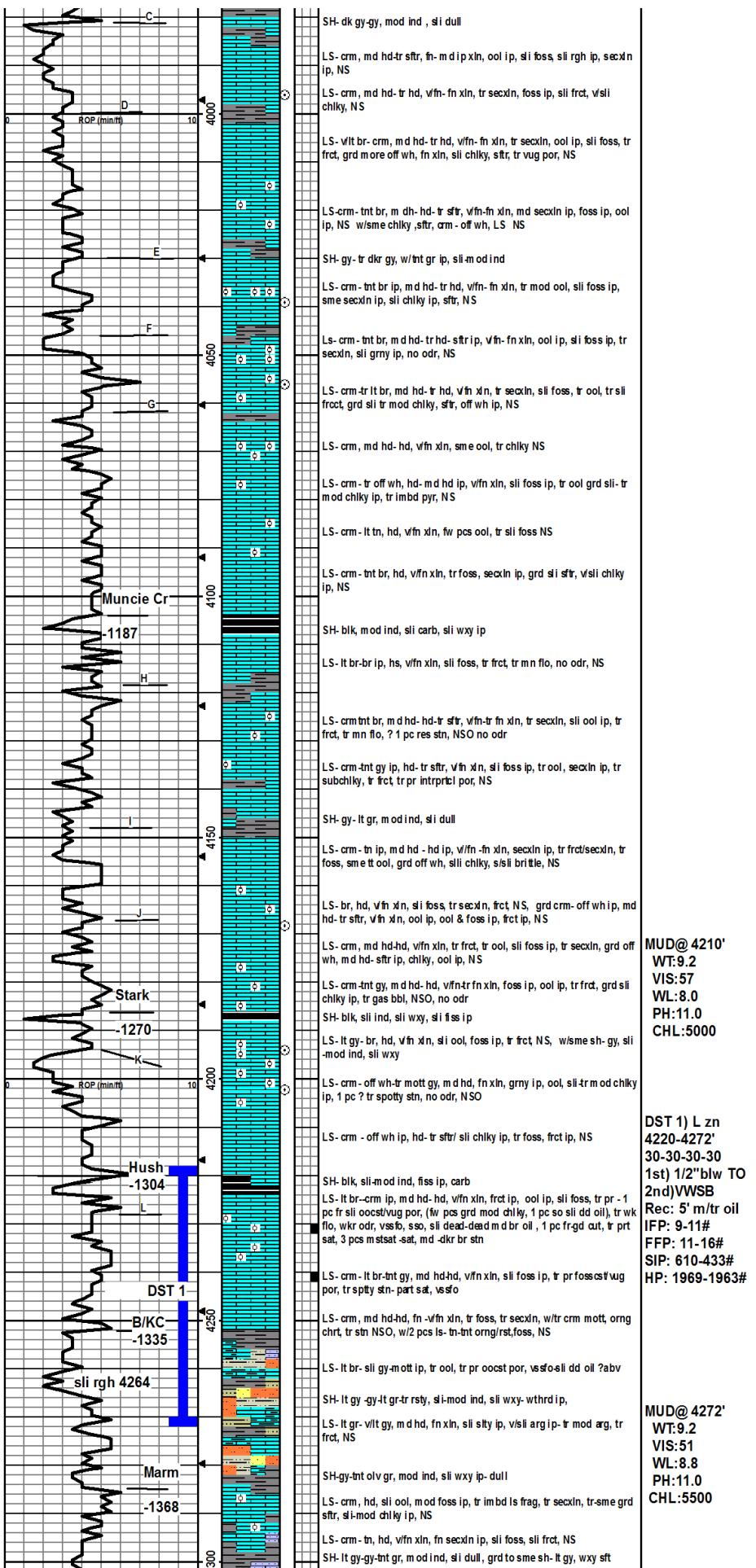
Curve Track 1 ROP (min/ft)	—			Geological Descriptions	Remarks
3ph	Lithology	SPoint	I Shows		



Morning Report Depth/Activity

5/15/13: MIRU H2 rig #2, Spud 9:30 PM, ran 8 5/8" set @ 227° cmt w/
165 sxs, P.D. 4:45AM, Surv 1/2 deg @ 230°
5/16/13: Depth @ 230' waiting on cement
5/17/13: Drig @ 1423'
5/18/13: Drig @ 2550', Surv 3/4 deg @ 2208'
5/19/13: Drig @ 3310', Displace 3402-3420'
5/20/13: Drig @ 3871', Surv 3/4 deg @ 3528'
5/21/13: Drig @ 4168'
5/22/13: DS TH1, Hertha, @ 4272'
5/23/13: DS TH2, Ft Scott, 4436'
5/24/13: DS TH3, Johnson, 4525'
5/25/13: Logging/plugging, @ TD = 4640'





MUD@4210'
WT:9.2
VIS:57
WL:8.0
PH:11.0
CHL:5000

DST 1) L zn
4220-4272'
30-30-30-30
1st) 1/2"blw TO
2nd)VWSB
Rec: 5' m/tr oil
IFP: 9-11#
FFP: 11-16#
SIP: 610-433#
HP: 1969-1963#

MUD@ 4272'
WT:9.2
VIS:51
WL:8.8
PH:11.0
CHL:5500

