



Leam Drilling Systems LLC

2027A Airport Road
Conroe, TX 77301
(935) 539-1315

MD-130983

5"-100' - TVD

9/9/2013 6:29:14 AM

Oper. Company: Devon Energy Corporation

Country: USA

State / Province: New Mexico

County / Parish: Eddy

API/UWI: 30-015-40826

Field:

Well: Harroun Trust 31 #4H

Rig: Scandrill Texas

Logs Taken: Gamma, ROP, Temp
Date & Time Logs Start: 08/28/2013 @ 16:30
Date & Time Logs End: 09/09/2013 @ 02:45
Mud Type: Cut Brine
Mud Viscosity: 28-30
Max Temp Logged: 153 F

Personnel

Day Hand: J. Filip

Night Hand: B. Hall

Location

Latitude: 32 15' 18.431

Longitude: 104 1' 10.579

Elev. GL: 2957'

Elev. DF: 2983'

Elev. KB: 26'

Hole Data

Size	From	To
8.75	5900	13605

Casing Data

Size	From	To
13.375	0	453
9.625	453	2750
OH	2750	13605

Mud Data

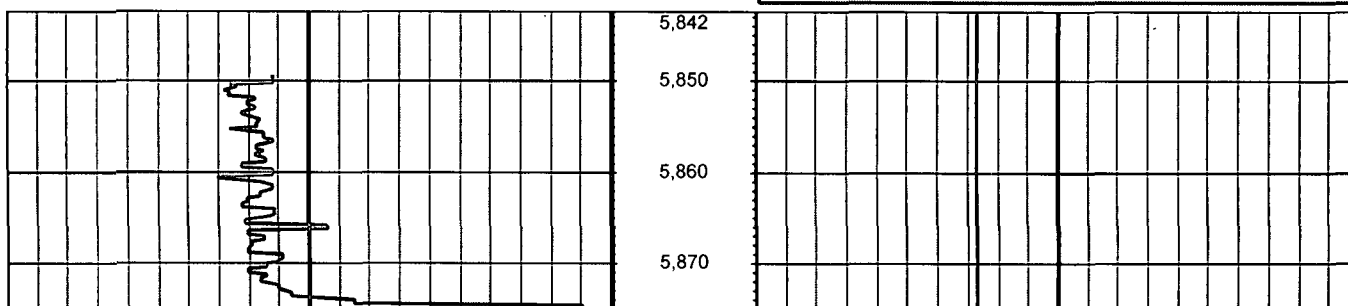
Weight	From	To
9.0-9.2	5900	13605

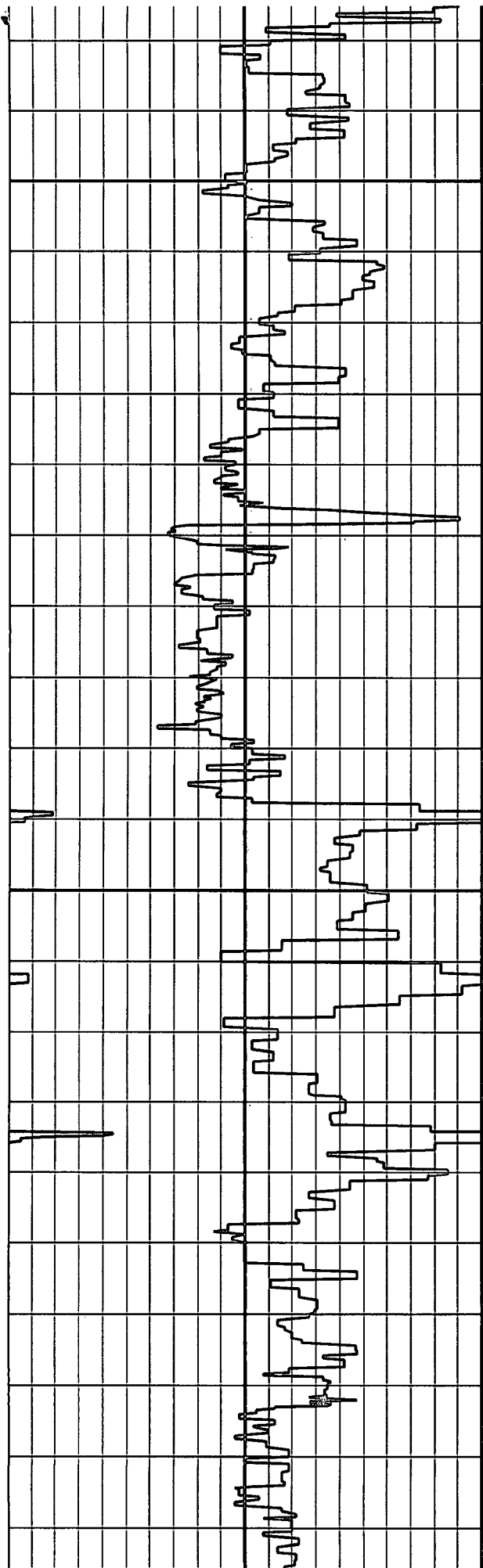
Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
GT10	50	0	8/28/2013 4:30:18 PM	5900	8/29/2013 4:00:18 PM	6676
GT10	52	0	8/29/2013 5:30:55 PM	6676	9/5/2013 2:35:55 AM	11300
GT34	41	0	9/5/2013 4:15:27 AM	11300	9/9/2013 2:45:27 AM	13605

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

0.00	GR(API)	150.00	TVD	0.00	ROP(FT/HR)	300.00
150.00	2	300.00	FT	300.00	2	600.00
				0.00	TEMP(degF)	300.00





5,880
5,890
5,900
5,910
5,920
5,930
5,940
5,950
5,960
5,970
5,980
5,990
6,000
6,010
6,020
6,030
6,040
6,050
6,060
6,070
6,080
6,090

