

JUSTIN D. CARTER

CONSULTING GEOLOGIST

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: J MOREL #8
Location: NE, NW, SE Sec. 15 - 9S - 21W Graham Co., KS
License Number: 15-065-23902-0000
Spud Date: 05/06/13
Surface Coordinates: 2310' FSL & 1650' FEL
Region: Morel
Drilling Completed: 05/11/13

Bottom Hole 1697': 1 DEG, 3780': 0.5 DEG
Coordinates:
Ground Elevation (ft): 2244' K.B. Elevation (ft): 2254'
Logged Interval (ft): 3100' To: 3780' Total Depth (ft): 3780'
Formation: TOPEKA, L/KC, ARBUCKLE
Type of Drilling Fluid: Chemical Mud

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: CITATION OIL & GAS CORP.
Address: 14077 Cutten Road
Houston, TX 77069
Co. Geo.: Mr. Cameron Wieding

GEOLOGIST

Name: Justin D. Carter
Company: Consulting Geologist
Address: 5945 Westridge Dr.
Great Bend, KS 67530
Home: 620-603-6399, Cell: 620-655-1187

Comments

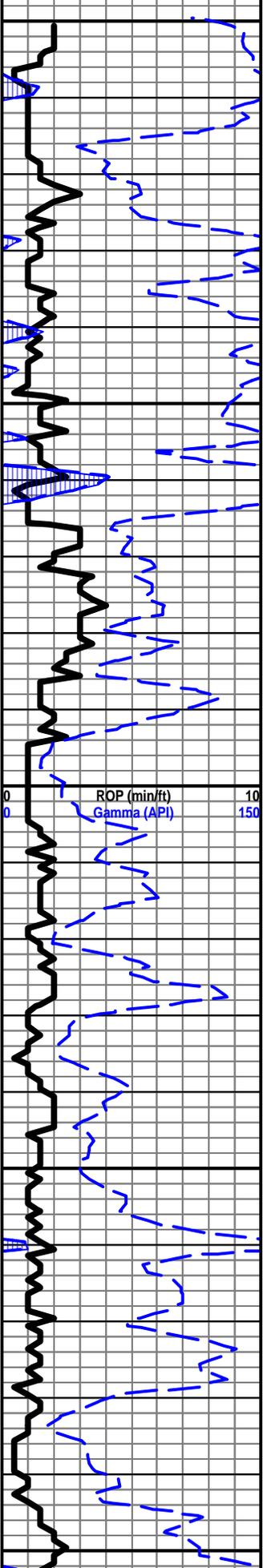
Drilling Contractor: Duke Drilling Co., Inc. Rig #10
Tool Pusher: Scott Edwards

8 5/8" surface casing set at 1697'

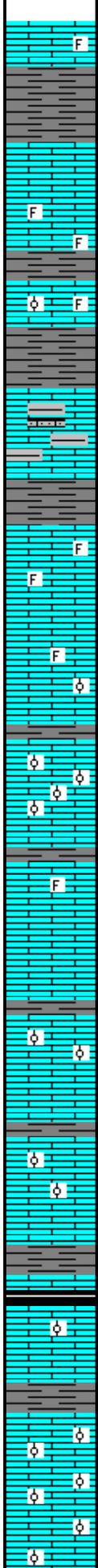
Mud: Andy's Mud
Engineer: Ken Rupp

Open-Hole Loggers: Nabors Services Co.

DISPLACE HOLE @ 3007'



3100
3150
3200
3250
3300



LS- CRM OFF WHT, HRD, VF-XLN, RE-XLN MTRX THRU, TR IMBED FOSS FRAGS, NO FLO, NO VIS POR

SH- GRN GY, SFT, SLTYIP TO LMY IP, BLKY

LS- GY CRM, MOTT, HRD DNS, VF-XLN, RE-XLN MTRX THRU, IMBED FOSS FRAGS IP, NO FLO, NO VIS POR

LS- OFF WHT LT TN, BRITT, F/VF-XLN, SUCRO MTRX IPTO SUB-SUCRO MTRX THRU, TR IMBED FOSS FRAGS TO TR OOL, NO FLO, NO VIS POR

LS- CRM, BRITT, F-XLN, GRST, TR SNDY LS, NO FLO, PR INTER-XLN POR SCAT THRU, NS

TOPEKA 3170' (-916')

LS- GY LT BRN, HRD, VF-XLN, RE-XLN MTRX IP, ABDT IMBED FOSS FRAGS THRU, NO FLO, NO VIS POR

LS- LT GY BFF, HRD, VF-XLN, SUB-SUCRO MTRX IP TO RE-XLN MTRX IP, TR IMBED FOSS FRAGS TO TR OOL, NO FLO, NO VIS POR

LS- CRM, BRITT, F/VF-XLN, SUB-SUCRO MTRX IP TO SUB-CHLKY IP, ABDT OOL SCAT THRU, SFT WHT CHLK IP, PR INTER-OOL POR IP, NS

LS- LT GY LT CRM, HRD TO BRITT IP, SUB-SUCRO MTRX THRU TO TR RE-XLN, IMBED FOSS FRAGS, NO FLO, NO VIS POR

LS- BFF LT CRM, BRITT, VF-XLN, GRST IPTO RE-XLN MTRX IP, IMBED OOL IP TO TR FOSS FRAGS IP, 1 PIECE W/ DLL YEL GLD FLO, FR BLU STRM CUT, PR/FR SCAT INTER-XLN POR TO TR INTER-OOL POR, TR TN STAIN, NO ODOR

LS- CRM, BRITT, VF-XLN, SUB-CHLKY MTRX IP TO SUB-SUCRO IP, IMBED OOL SCAT THRU, NO FLO, TR MICRO PP POR TO PR INTER-OOL POR SCAT THRU, NS

LS- LT CRM, BRITT TO HRD IP, F/VF-XLN, SUB-SUCRO MTRX IP TO TR RE-XLN, TR IMBED OOL, FINE CALC XLS IP, NO FLO, TR INTER-XLN POR TO NO VIS POR, NS

LS- CRM BRITT, VF-XLN, SUB-SUCRO MTRX THRU, IMBED OOL SCAT THRU, NO FLO, PR/FR INTER-OOL POR SCAT THRU, NS

LS- LT TN CRM, HRD, VF-XLN, RE-XLN MTRX IP, IMBED OOL IP, NO FLO, NO VIS POR

9:00 P.M. 05/10/13

CN

CN

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12:00 A.M. 05/11/13

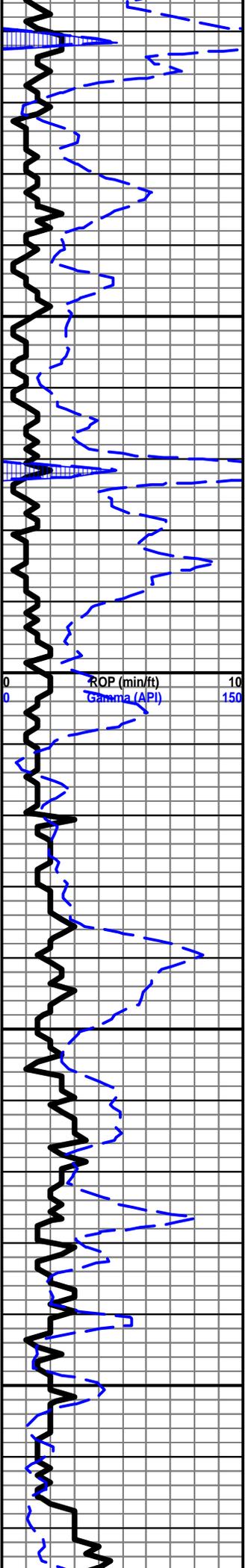
WT 8.7
VIS 50
LCM 3#

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WT 8.7
VIS 52



3350

3400

3450

3500

LS- TN CRM, BRITT, VF-XLN, SUB-SUCRO MTRX THRU, OOL SCAT THRU, NO FLO, PR/FR INTER-OOL POR IP, NS

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LS- CRM OFF WHT, BRITT, VF-XLN, SUCRO MTRX THRU, OOL THRU, NO FLO, FR/GD INTER-OOL POR THRU, NS

LS- CRM, BRITT, F/VF-XLN, SUCRO MTRX THRU, OOL THRU, TR GLAUC, NO FLO, FR/GD INTER-OOL POR THRU, NS

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HEEBNER 3372' (-1118')

SH- GRN DK GY, FRM TO SFT, SLTY TO LMY IP, BLKY

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TORONTO 3389' (-1135')

LS- LT TN CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, NO FLO, NO VIS POR

L/KC 3410' (-1156')

LS- OFF WHT, HRD TO BRITT IP, VF-XLN, RE-XLN MTRX IP TO TR SUB-CHLKY, TR SUCRO DOLO, TR WHT CHRT, NO FLO, NO VIS POR

WT 8.9
VIS 51
LCM 3#

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LS- OFF WHT LT CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, TR CALC XLS, TR WHT CHRT, NO FLO, NO VIS POR

SH- GY GRN, FRM, SLTY TO TR LMY, FISS TO TR BLKY

MUD CHECK @ 3441'

WT 8.9
VIS 42
LCM 2.5#
PV 18
YP 12
PH 10.5
FIL 8.0
CAL 10
CHL 1,000

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LS- LT CRM, HRD, VF-XLN, RE-XLN MTRX IP TO TR SUB-SUCRO, TR FINE CALC XLS, TR WHT CHRT, NO FLO, NO VIS POR

LS- CRM LT TN, HRD, VF-XLN, RE-XLN MTRX IP, TR IMBED OOL, TR YEL FLO, PR SLO BLU STRM CUT, TR INTER-OOL POR TO NO VIS POR THRU, TR STAIN, NO ODOR

WT 8.9
VIS 42
LCM 2.5#

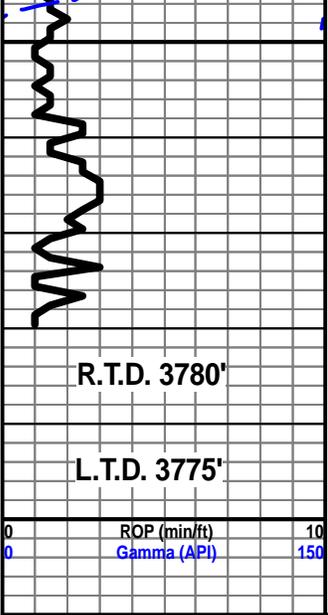
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LS- OFF WHT LT TN, HRD TO BRITT IP, F/VF-XLN, SUCRO MTRX IP TO RE-XLN IP, TR IMBED OOL, TR OFF WHT CHRT, TR YEL GLD FLO, PR SLO BLU STRM CUT, TR INTER-XLN POR TO TR INTER-OOL POR TO TR MICRO PP POR, TR STAIN, NO ODOR

LS- WHT OFF WHT, HRD, VF-XLN, RE-XLN MTRX IP TO TR SUB-CHLKY, NO FLO, NO VIS POR

LS- WHT LT TN, BRITT TO HRD IP, VF-XLN, SUB-SUCRO MTRX IP TO SUB-CHLKY IP, IMBED OOL SCAT THRU, TR YEL GLD FLO, FAINT FLUSH CUT, TR FR INTER-OOL POR TO PR INTER-OOL POR IP, TR STAIN, NO ODOR

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3750
3800



DOLO- BFF TN, HRD, MED/VF-XLN, RE-XLN MTRX THRU TO TR SUCRO, VUGS IP, TR DLL YEL GLD FLO, PR FLUSH TO PR BLU STRM CUT, FR INTER-XLN POR IP TO GD INTER-VUG POR IP, STAIN IN 50%, FR ODOR, NO F.O.

DOLO- TN LT CRM, HRD, CORSE/F-XLN, RE-XLN MTRX THRU TO TR SUCRO, TR YEL GLD FLO, PR FLUSH TO FR BLU STRM CUT, FR/GD INTER-XLN POR SCAT THRU, TN STAIN IP, FAINT ODOR

CTCH 1.5 HR.

WIPER TRIP TO SURFACE CASING

CTCH 1 HR.

TOH FOR E-LOGS

R.T.D. 3780'

L.T.D. 3775'

10:00 P.M. 05/11/13

STRAP 1.79' LONG TO BOARD

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