

OPERATING COMPANY

(316) 265-3000 FAX: (316) 265-3455

1700 N. WATERFRONT PARKWAY BLDG, 600 WICHITA, KANSAS 67206-5514

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

Well Name: Grand Mesa Op. Co. #2-9 O'Brien

API: 15-101-22638

Location: 2177FSL 1284FEL Sec 9-T16S-R29W Lane County Kansas

License Number: Spud Date: 11/11/2019

Region: Not Named Drilling Completed: 11/18/2019

Surface Coordinates: Lat: 38.676736

Long: -100.52753

Bottom Hole Vertical hole

Coordinates:

Ground Elevation (ft): 2662

K.B. Elevation (ft): 2667

Total Depth (ft): 4311

LOC TORS

Logged Interval (ft): 3600' To: 4311 Formation: Marmaton (Excello Shale)

Type of Drilling Fluid: Chemical

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

OPERATOR

Grand Mesa Operating Company Company:

Address: 1700 N. Waterfront Parkway

Bldg. 600

Wichita, KS 67206-5514

GEOLOGIST

Name: Steven P. Carl Company: Independent Address: 724 Lakecrest Dr.

Andover KS, 67002

EODMATION.

FORMATION TOPS

FORMATION	LUG TUPS			
	Depth	Datum		
Stone Corral	2060'	+607		
B/Stone Corral	2090'	+577		
Heebner Shale	3751'	-1084		
Lansing	3786'	-1119		
Muncie Creek Shale	3950'	-1283		
Stark Shale	4049'	-1382		
Hushpuckney Shale	4083'	-1416		
Marmaton	4159'	-1492		
Little Osage	4276	-1609		
Mississippian	NOT PE	NOT PENE		

RTD	4311'	-1644
LTD	4312'	-1645

COMMENTS

Contractor: Murfin Rig #110 Pusher: Rick Hilgers Surface Casing: 259ft, set at 266ft from KB Production Casing: 5 1/2" set at 4309ft

Mud by: MudCo
DST's by: Diamond Testing
Logs by: ELI (DIL, CN-CD, ML, SON)

RTD=4311ft

TD=4311ft TD=4312ft						
Curve Track 1 OP (min/ft)	MD	Lithology :	CFS Point	Oil Shows	Geological Descriptions	Remarks
ROP (min/ft)	3450				11/12/19: MIRT, WW Rig 10, Spud at 1pm, drilled to 266, ran 7 joints of new 24#J-55STC, 8 5/8ths surface csg. Survey 0.75deg, at 266ft 11/13/19: Drilled out at 1:30am, depth at 7am 946ft 11/14/19: Drilling at 2502ft 11/15/19: Drilling at 3275ft 11/16/19: Drilling at 3888ft 11/1719: DST#1 at 4037ft 11/18/19: Drilling at 4230ft 11/19/19: Cementing longstring at 4311ft	
	3500					







