



Non-Op Partner Summary

UNIVERSITY 47-27

123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

County/Parish ANDREWS	State TX	API No. 42003467600000	Corporate ID 127628	Field Name FUHRMAN-MASCHO	Orig Spud Date 11/14/2014	Current Well Status DRILLING
Section 47	Block 13	Survey UL				

Daily Operations						Survey Data					
11/13/2014 05:00 - 11/14/2014 05:00						MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)		250		0.3			
0				-0.58		477		0.8			
Daily Summary						925		0.3			
MIRU.											
Cost Summary						1,352		0.3			
Daily Cost Total		Field Est To Date				1,802		0.8			
0						2,229		1.0			
Air/Mud Data						2,657		1.5			
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)	3,084		1.0			
						3,564		0.8			
11/14/2014 05:00 - 11/15/2014 05:00						4,025		0.8			
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)		4,525		0.5			
1,394	1,394	8.50	164.0	0.42		4,839		0.3			
Daily Summary											
Cont. MIRU. Spud 11/14/14 @ 7PM. Drld t/1,394'.											
Cost Summary											
Daily Cost Total		Field Est To Date									
90,694						90,694					
Air/Mud Data											
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
8.30		29									
11/15/2014 05:00 - 11/16/2014 05:00											
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)							
1,750	356	5.00	71.2	1.42							
Daily Summary											
TOH. C&C hole. LD DP. Run 42 jts 8 5/8" 24# J-55 csg. WOC.											
Cost Summary											
Daily Cost Total		Field Est To Date									
48,965						139,659					
Air/Mud Data											
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
8.50		32									
11/16/2014 05:00 - 11/17/2014 05:00											
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)							
2,592	842	9.50	88.6	2.42							
Daily Summary											
NU & tst BOP. PU BHA & TIH. DOC * shoe. Drld to 2,592'.											
Cost Summary											
Daily Cost Total		Field Est To Date									
24,432						164,091					
Air/Mud Data											
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
10.00		29									
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
10.00		29									
11/17/2014 05:00 - 11/18/2014 05:00											
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)							
4,414	1,822	22.00	82.8	3.42							
Daily Summary											
Drld to 4,414'.											
Cost Summary											
Daily Cost Total		Field Est To Date									
48,241						212,332					
Air/Mud Data											
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
10.00		29									
MW-In (lb/gal)	Filtrate (mL/30min)	Funnel Viscosity (s/qt)	PV (Pa*s)	YP (lb/100ft²)	Chlorides (mg/L)						
10.00		29									
11/18/2014 05:00 - 11/19/2014 05:00											
Measured Depth (ftKB)	Footage (ftKB)	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days)							
5,030	616	12.00	51.3	4.42							
Daily Summary											
Drld to 5,030'.											



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Section 47	Block 13	Survey UL				

Cost Summary

Daily Cost Total	Field Est To Date
20,709	233,041

Air/Mud Data

MW-In (lb/gal) 10.00	Filtrate (mL/30min)	Funnel Viscosity (s/qt) 29	PV (Pa*s)	YP (lb/100ft ²)	Chlorides (mg/L)
MW-In (lb/gal) 10.00	Filtrate (mL/30min)	Funnel Viscosity (s/qt) 32	PV (Pa*s)	YP (lb/100ft ²)	Chlorides (mg/L)

11/19/2014 05:00 - 11/20/2014 05:00

Measured Depth (ftKB) 5,030	Footage (ftKB) 0	Drilling Hours (hr)	Avg ROP (ft/hr)	Days from Spud (days) 5.42
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Daily Summary

LDDP. R&C 5 1/2" 15.5# J55 csg @ 5,030'. Log well. Release rig 11/19/14 @ 20:30.

Cost Summary

Daily Cost Total	Field Est To Date
81,862	314,903

Air/Mud Data

MW-In (lb/gal) 10.00	Filtrate (mL/30min)	Funnel Viscosity (s/qt) 32	PV (Pa*s)	YP (lb/100ft ²)	Chlorides (mg/L)
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Bit Runs

Bit Run # 2

Depth In (ftKB) 1,750.0	Depth Out (ftKB) 5,030.0	Depth Drilled This Job (ft) 3,280.00	Hours Drilled This Job (hr) 43.50	ROP (ft/hr) 75.4
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Bit Run # 1

Depth In (ftKB) 0.0	Depth Out (ftKB) 1,750.0	Depth Drilled This Job (ft) 1,750.00	Hours Drilled This Job (hr) 13.50	ROP (ft/hr) 129.6
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