



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

## UL Perfs

### UNIVERSITY 13-35 26

Corporate ID 127278	API No. 42003464540000	Operator SANDRIDGE EXPLORATION AND PRODUCTION LLC					Current Well Status COMPLETING	WI (%) 100.000000	
Well Type VERTICAL	Well Config VERTICAL	Dual Completion?	Division PERMIAN	Subdivision CENTRAL BASIN PLA...	State TX	County/Parish ANDREWS	District 8	Well Sub-Status COMPLETING	NRI (%) 75.000000
Survey UL	Section 35	Block 13	Abstract U247	Field Name FUHRMAN-MASCHO			Battery		
VERTICAL - Original Hole, 9/14/2014 3:18:00 PM									
Vertical schematic (actual)									
<b>Perforation: 4,617.0 ftKB- 4,620.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,617.0	Btm (ftKB) 4,620.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 3			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 1.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					
<b>Perforation: 4,659.0 ftKB- 4,662.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,659.0	Btm (ftKB) 4,662.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 3			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 1.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					
<b>Perforation: 4,697.0 ftKB- 4,700.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,697.0	Btm (ftKB) 4,700.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 3			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 1.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					
<b>Perforation: 4,791.0 ftKB- 4,797.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,791.0	Btm (ftKB) 4,797.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 12			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 2.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					
<b>Perforation: 4,849.0 ftKB- 4,852.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,849.0	Btm (ftKB) 4,852.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 9			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 3.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					
<b>Perforation: 4,872.0 ftKB- 4,875.0 ftKB</b>									
Date 9/12/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,872.0	Btm (ftKB) 4,875.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 9			
String Perforated Production, 5,000ftKB		Shot Density (shots/ft) 3.0		Charge Type Shaped	Phasing (°) 60	Over/Under Balanced		Break Press. (psi)	
Status Active		Date 9/12/2014		Comment					

Surface; 1,717

Surface Casing Cement; 11

Surface; 11-1,717; 1,717

Production; 5,000

Production; 11-5,000; 5,000

Production Casing Cement; 11

TD - Original Hole; 5,000



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## UL Perfs

### UNIVERSITY 40 16

Corporate ID 126520	API No. 42003464950000	Operator SANDRIDGE EXPLORATION AND PRODUCTION LLC					Current Well Status COMPLETING	WI (%) 100.000000	
Well Type VERTICAL	Well Config VERTICAL	Dual Completion?	Division PERMIAN	Subdivision CENTRAL BASIN PLA...	State TX	County/Parish ANDREWS	District 8	Well Sub-Status COMPLETING	NR1 (%) 75.000000
Survey UL	Section 40	Block 13	Abstract U432	Field Name FUHRMAN-MASCHO			Battery		
<b>VERTICAL - Original Hole, 9/14/2014 3:18:02 PM</b>									
<b>Vertical schematic (actual)</b>									
<b>Perforation: 4,604.0 ftKB- 4,607.0 ftKB</b>									
Date 9/13/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,604.0	Btm (ftKB) 4,607.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 6			
String Perforated Production, 4,822ftKB		Shot Density (shots/ft) 2.0	Charge Type Shaped	Phasing (°) 60	Over/Under Balanced	Break Press. (psi)			
Status Active	Date 9/13/2014	Comment							
<b>Perforation: 4,650.0 ftKB- 4,656.0 ftKB</b>									
Date 9/13/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,650.0	Btm (ftKB) 4,656.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 12			
String Perforated Production, 4,822ftKB		Shot Density (shots/ft) 2.0	Charge Type Shaped	Phasing (°) 60	Over/Under Balanced	Break Press. (psi)			
Status Active	Date 9/13/2014	Comment							
<b>Perforation: 4,705.0 ftKB- 4,708.0 ftKB</b>									
Date 9/13/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,705.0	Btm (ftKB) 4,708.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 9			
String Perforated Production, 4,822ftKB		Shot Density (shots/ft) 3.0	Charge Type Shaped	Phasing (°) 60	Over/Under Balanced	Break Press. (psi)			
Status Active	Date 9/13/2014	Comment							
<b>Perforation: 4,744.0 ftKB- 4,750.0 ftKB</b>									
Date 9/13/2014	Zone San Andres, Original Hole	Top Depth (ftKB) 4,744.0	Btm (ftKB) 4,750.0	FL MD Before (ft...)	FL MD After (ftKB)	P Surf Init...	P Final Su...		
Perforation Company Gray Wireline		Conveyance Method Wireline		Gun Size (in) 3 1/8	Carrier Make Owen Oil Tool Inc.	Entered Shot Total 18			
String Perforated Production, 4,822ftKB		Shot Density (shots/ft) 3.0	Charge Type Shaped	Phasing (°) 60	Over/Under Balanced	Break Press. (psi)			
Status Active	Date 9/13/2014	Comment							

Surface; 1,847

Surface Casing Cement; 12

Surface; 12-1,847; 1,847

Production; 4,822

Production; 12-4,822; 4,822

Production Casing Cement; 12

TD - Original Hole; 4,822