



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 1,980

<b>Drilling Job</b>					
Job Type Drilling			Work Type Drilling - original		
Start Date 10/26/2011	End Date	Objective Drill Well			
<b>10/27/2011 - 10/28/2011 / 0.0 ftKB - 130.0 ftKB</b>					
Report Number 3	Operations Summary Rig Up; Inspect 4-1/2" Drillpipe; Clean, Drift & Strap 13 3/8" Casing; Rig Inspection; Strap BHA, M/U BHA #1				
Operations Detail TRRC Job# 12407:Rig Up; Inspect 4-1/2" Drillpipe; Clean, Drift & Strap 13 3/8" Casing; Rig Inspection; Strap BHA, M/U BHA #1					
<b>10/28/2011 - 10/29/2011 / 130.0 ftKB - 751.0 ftKB</b>					
Report Number 4	Operations Summary Drlg f/ 130'-414', plugged flowline. POOH to clean flowline valves due to cement blockage. Stage in hole 1 std @ a time circ. bottoms up each std. tag bottom pump 40 bbl viscous sweep and resume drlg. Drlg f/414'-446' Pick up, work pipe up and down, and circ. to change out one swab on each pump, and liner on #1pump. Resume drlg f/ 446'-537'. Survey, change 2 more swabs on #2 pump. Resume drlg f/ 537'- 751'.				
Operations Detail Drlg f/ 130'-414', plugged flowline. POOH to clean flowline valves due to cement blockage. Stage in hole 1 std @ a time circ. bottoms up each std. tag bottom pump 40 bbl viscous sweep and resume drlg. Drlg f/414'-446' Pick up, work pipe up and down, and circ. to change out one swab on each pump, and liner on #1pump. Resume drlg f/ 446'-537'. Survey, change 2 more swabs on #2 pump. Resume drlg f/ 537'- 751'.					
<b>10/29/2011 - 10/30/2011 / 751.0 ftKB - 1,381.0 ftKB</b>					
Report Number 5	Operations Summary Drlg f/751 t/1174 w/Sweeps & Surveys; Plug Flowline; Jet Shale Pit; Rebuild FW Volume; Plug Flowline; (NOTE: After Finding Out That The Rig Personnel Had Removed The Flowline Jet Without Informing SM Energy's Wellsite Representatives, The Flowline Jet Was Reinstalled) Circulate & Condition; Drlg f/1174 t/1255; Hole developed in flowline; POOH to fix hole in flowline. TIH, no problems; Drlg f/1255' - 1381' w/Sweeps; Jetting shale pit as needed for wt and vis control. Circulate bottoms up; POOH due to hole in new 1/4" plate installed on flowline.				
Operations Detail Drlg f/751 t/1174 w/Sweeps & Surveys; Plug Flowline; Jet Shale Pit; Rebuild FW Volume; Plug Flowline; Replumb Flowline Jet; Circulate & Condition; Drlg f/1174 t/1255; Hole developed in flowline; POOH to fix hole in flowline. TIH, no problems; Drlg f/1255' - 1381' w/Sweeps; Jetting shale pit as needed for wt and vis control. Circulate bottoms up; POOH due to hole in new 1/4" plate installed on flowline.					
<b>10/30/2011 - 10/31/2011 / 1,381.0 ftKB - 1,917.0 ftKB</b>					
Report Number 6	Operations Summary TOOH t/Replumb Flow Line Jet; Repair Hole In Bottom Of Flow Line; TIH; Wash & Ream To Bottom. Resume Drlg f/1381' - 1917'; Continued w/ sweeps & surveys.				
Operations Detail TOOH t/Replumb Flow Line Jet; Repair Hole In Bottom Of Flow Line; TIH; Wash & Ream To Bottom. Resume Drlg f/1381' - 1917'; Continued w/ sweeps & surveys.					
<b>10/31/2011 - 11/1/2011 / 1,917.0 ftKB - 1,983.0 ftKB</b>					
Report Number 7	Operations Summary Contacted TRRC 0800 Hrs; Drlg f/1917 t/1983; Pump Hi Vis Sweep; Calculate Hole Caliper; Spot Hi Vis Pill On Bottom; Drop Totco; TOOH; L/D 17-1/2 IBS's; Run 13-3/8 Casing; Cement Same; WOC 4 Hrs.				
Operations Detail Contacted TRRC 0800 Hrs; Drlg f/1917 t/1983; Pump Hi Vis Sweep; Calculate Hole Caliper; Spot Hi Vis Pill On Bottom; Drop Totco; TOOH; L/D 17-1/2 IBS's; Run 13-3/8 Casing; Cement Same; WOC 4 Hrs.					
<b>11/1/2011 - 11/2/2011 / 1,983.0 ftKB - 1,983.0 ftKB</b>					
Report Number 8	Operations Summary WOC; Cut 13-3/8; Weld 13-3/8 SOW; N/U BOP; Test Same; SM Safety Meeting Stand Down. Presented By Howard Smith, SM Drilling Superintendent. Finish jetting under shale shaker, and plumb in flowline.				
Operations Detail WOC; Cut 13-3/8; Weld 13-3/8 SOW; N/U BOP; Test Same; SM Safety Meeting Stand Down. Presented By Howard Smith, SM Drilling Superintendent. Finish jetting under shale shaker, and plumb in flowline.					
<b>11/2/2011 - 11/3/2011 / 1,983.0 ftKB - 2,356.0 ftKB</b>					
Report Number 9	Operations Summary Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig, Strap & Caliper BHA, TIH, Hold SM Stand Down Safety Meeting, Presented by Howard Smith, Tag TOC @ 1926 ft, Drlg CMT to 1948 ft, Test csg to 545 psi end 495 psi, Drlg CMT to 1983 ft, Resume Drlg Operations & Surveys.				
Operations Detail Continue Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig; Strap & Caliper BHA; TIH; Hold SM Stand Down Safety Meeting, Presented by Howard Smith; Tag TOC @ 1926'; Drlg cmt to 1948'; Test csg to 545 psi end 495 psi; Drlg cmt to 1983'; Resume drlg operations & Surveys.					



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**11/3/2011 - 11/4/2011 / 2,356.0 ftKB - 3,781.0 ftKB**

Report Number 10	Operations Summary Drlg f/ 2356 ft to 3781 ft w/ several survey's, Broke Wire Line, Retrieved Manually, Drlg to 3781 ft, w/ several Surveys.
Operations Detail Drlg f/ 2356 ft to 2454 ft, Broke Survey Wire Line, Pulled Manually, Drlg f/ 2454 ft to 2802 ft, PU Circ. to Repair Electrical Line, Resume Drlg f/ 2802 ft - 3781 ft, w/ Several Surveys, Meal Was Provided for Crews, and Safety Meeting and Bonus Plan held By SM Energy Reps. Mark Bondy, Terry West, & Howard Smith	



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**Drilling Job**

Job Type Drilling			Work Type Drilling - original		
Start Date 10/26/2011	End Date	Objective Drill Well			

**10/30/2011 - 10/31/2011 / 1,381.0 ftKB - 1,917.0 ftKB**

Report Number 6	Operations Summary TOOH t/Replumb Flow Line Jet; Repair Hole In Bottom Of Flow Line; TIH; Wash & Ream To Bottom. Resume Drlg f/1381' - 1917'; Continued w/ sweeps & surveys.				
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**Operations Detail**  
TOOH t/Replumb Flow Line Jet; Repair Hole In Bottom Of Flow Line; TIH; Wash & Ream To Bottom. Resume Drlg f/1381' - 1917'; Continued w/ sweeps & surveys.

**10/31/2011 - 11/1/2011 / 1,917.0 ftKB - 1,983.0 ftKB**

Report Number 7	Operations Summary Contacted TRRC 0800 Hrs; Drlg f/1917 t/1983; Pump Hi Vis Sweep; Calculate Hole Caliper; Spot Hi Vis Pill On Bottom; Drop Totco; TOOH; L/D 17-1/2 IBS's; Run 13-3/8 Casing; Cement Same; WOC 4 Hrs.				
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**Operations Detail**  
Contacted TRRC 0800 Hrs; Drlg f/1917 t/1983; Pump Hi Vis Sweep; Calculate Hole Caliper; Spot Hi Vis Pill On Bottom; Drop Totco; TOOH; L/D 17-1/2 IBS's; Run 13-3/8 Casing; Cement Same; WOC 4 Hrs.

**11/1/2011 - 11/2/2011 / 1,983.0 ftKB - 1,983.0 ftKB**

Report Number 8	Operations Summary WOC; Cut 13-3/8; Weld 13-3/8 SOW; N/U BOP; Test Same; SM Safety Meeting Stand Down. Presented By Howard Smith, SM Drilling Superintendent. Finish jetting under shale shaker, and plumb in flowline.				
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**Operations Detail**  
WOC; Cut 13-3/8; Weld 13-3/8 SOW; N/U BOP; Test Same; SM Safety Meeting Stand Down. Presented By Howard Smith, SM Drilling Superintendent. Finish jetting under shale shaker, and plumb in flowline.

**11/2/2011 - 11/3/2011 / 1,983.0 ftKB - 2,356.0 ftKB**

Report Number 9	Operations Summary Rig Repair. Convert From A New Mexico Closed Loop System To A West Texas Style Rig, Strap & Caliper BHA, TIH, Hold SM Stand Down Safety Meeting, Presented by Howard Smith, Tag TOC @ 1926 ft, Drlg CMT to 1948 ft, Test csg to 545 psi end 495 psi, Drlg CMT to 1983 ft, Resume Drlg Operations & Surveys.				
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**Operations Detail**  
Continue Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig; Strap & Caliper BHA; TIH; Hold SM Stand Down Safety Meeting, Presented by Howard Smith; Tag TOC @ 1926'; Drlg cmt to 1948'; Test csg to 545 psi end 495 psi; Drlg cmt to 1983'; Resume drlg operations & Surveys.

**11/3/2011 - 11/4/2011 / 2,356.0 ftKB - 3,781.0 ftKB**

Report Number 10	Operations Summary Drlg f/ 2356 ft to 3781 ft w/ several survey's, Broke Wire Line, Retrieved Manually, Drlg to 3781 ft, w/ several Surveys.				
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**Operations Detail**  
Drlg f/ 2356 ft to 2454 ft, Broke Survey Wire Line, Pulled Manually, Drlg f/ 2454 ft to 2802 ft, PU Circ. to Repair Electrical Line, Resume Drlg f/ 2802 ft - 3781 ft, w/ Several Surveys, Meal Was Provided for Crews, and Safety Meeting and Bonus Plan held By SM Energy Reps. Mark Bondy, Terry West, & Howard Smith

**11/4/2011 - 11/5/2011 / 3,781.0 ftKB - 4,875.0 ftKB**

Report Number 11	Operations Summary Drlg f/ 3781ft - 4875 ft, w/ Survey's and Sweeps				
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**Operations Detail**  
Drlg f/ 3781 ft - 4875 ft, w/ Surveys and Sweeps, Recieved csg, Cleaned, Strapped and Run UT.

**11/5/2011 - 11/6/2011 / 4,875.0 ftKB - 5,280.0 ftKB**

Report Number 12	Operations Summary Drlg f/ 3781 ft - 4980 ft, TOOH f/ Bit, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps				
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**Operations Detail**  
Drlg f/ 3781 ft - 4980 ft, Bit Slowed to 10 ft/Hr, POOH f/ Bit, Change Bits, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps, Time Set Back 1 Hr.

**11/6/2011 - 11/7/2011 / 5,280.0 ftKB - 5,412.0 ftKB**

Report Number 13	Operations Summary Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOH & SLM (NO Correction)				
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**Operations Detail**  
Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOOH & SLM, Run 8 5/8" Csg to 5412 ft, Began Cementing



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<b>Drilling Job</b>		
Job Type <b>Drilling</b>	Work Type <b>Drilling - original</b>	
Start Date 10/26/2011	End Date	Objective Drill Well
<b>10/31/2011 - 11/1/2011 / 1,917.0 ftKB - 1,983.0 ftKB</b>		
Report Number 7	Operations Summary Contacted TRRC 0800 Hrs; Drlg f/1917 t/1983; Pump Hi Vis Sweep; Calculate Hole Caliper; Spot Hi Vis Pill On Bottom; Drop Totco; TOOH; L/D 17-1/2 IBS's; Run 13-3/8 Casing; Cement Same; WOC 4 Hrs.	
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Operations Detail Continue Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig; Strap & Caliper BHA; TIH; Hold SM Stand Down Safety Meeting, Presented by Howard Smith; Tag TOC @ 1926'; Drlg cmt to 1948'; Test csg to 545 psi end 495 psi; Drlg cmt to 1983'; Resume drlg operations & Surveys.		
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Operations Detail Drlg f/ 3781 ft - 4875 ft, w/ Surveys and Sweeps, Recieved csg, Cleaned, Strapped and Run UT.		
<b>11/5/2011 - 11/6/2011 / 4,875.0 ftKB - 5,280.0 ftKB</b>		
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Operations Detail Drlg f/ 3781 ft - 4980 ft, Bit Slowed to 10 ft/Hr, POOH f/ Bit, Change Bits, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps, Time Set Back 1 Hr.		
<b>11/6/2011 - 11/7/2011 / 5,280.0 ftKB - 5,412.0 ftKB</b>		
Report Number 13	Operations Summary Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOH & SLM (NO Correction) Notified TRRC Rep. Jennifer, Oper. #12 or Intent to Run 8 5/8" Csg. and Cement.	
Operations Detail Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOOH & SLM, Run 8 5/8" Csg to 5412 ft, Began Cementing		
<b>11/7/2011 - 11/8/2011 / 5,412.0 ftKB - 5,412.0 ftKB</b>		
Report Number 14	Operations Summary Cemented w/Lead 1500 sx, Tail w/ 240 sx, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. N/Down BOP, Set Slips, Cut-off 8 5/8" Csg. N/U B-Section. & BOP Equipment & Test, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5219, Rig Repair	
Operations Detail Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair		



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Operations Detail Continue Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig; Strap & Caliper BHA; TIH; Hold SM Stand Down Safety Meeting, Presented by Howard Smith; Tag TOC @ 1926'; Drlg cmt to 1948'; Test csg to 545 psi end 495 psi; Drlg cmt to 1983'; Resume drlg operations & Surveys.					
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Operations Detail Drlg f/ 2356 ft to 2454 ft, Broke Survey Wire Line, Pulled Manually, Drlg f/ 2454 ft to 2802 ft, PU Circ. to Repair Electrical Line, Resume Drlg f/ 2802 ft - 3781 ft, w/ Several Surveys, Meal Was Provided for Crews, and Safety Meeting and Bonus Plan held By SM Energy Reps. Mark Bondy, Terry West, & Howard Smith					
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Operations Detail Drlg f/ 3781 ft - 4980 ft, Bit Slowed to 10 ft/Hr, POOH f/ Bit, Change Bits, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps, Time Set Back 1 Hr.					
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Operations Detail Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair					
<b>11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB</b>					
Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg				
Operations Detail Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss					



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**Operations Detail**  
Continue Rig Repair, Convert From A New Mexico Closed Loop System To A West Texas Style Rig; Strap & Caliper BHA; TIH; Hold SM Stand Down Safety Meeting, Presented by Howard Smith; Tag TOC @ 1926'; Drlg cmt to 1948'; Test csg to 545 psi end 495 psi; Drlg cmt to 1983'; Resume drlg operations & Surveys.

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Report Number 11	Operations Summary Drlg f/ 3781ft - 4875 ft, w/ Survey's and Sweeps				
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**Operations Detail**  
Drlg f/ 3781 ft - 4875 ft, w/ Surveys and Sweeps, Recieved csg, Cleaned, Strapped and Run UT.

**11/5/2011 - 11/6/2011 / 4,875.0 ftKB - 5,280.0 ftKB**

Report Number 12	Operations Summary Drlg f/ 3781 ft - 4980 ft, TOOH f/ Bit, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps				
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**Operations Detail**  
Drlg f/ 3781 ft - 4980 ft, Bit Slowed to 10 ft/Hr, POOH f/ Bit, Change Bits, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps, Time Set Back 1 Hr.

**11/6/2011 - 11/7/2011 / 5,280.0 ftKB - 5,412.0 ftKB**

Report Number 13	Operations Summary Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOH & SLM (NO Correction) Notified TRRC Rep. Jennifer, Oper. #12 or Intent to Run 8 5/8" Csg. and Cement.				
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**Operations Detail**  
Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOOH & SLM, Run 8 5/8" Csg to 5412 ft, Began Cementing

**11/7/2011 - 11/8/2011 / 5,412.0 ftKB - 5,412.0 ftKB**

Report Number 14	Operations Summary Cemented w/Lead 1500 sx, Tail w/ 240 sx, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. N/Down BOP, Set Slips, Cut-off 8 5/8" Csg. N/U B-Section. & BOP Equipment & Test, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5219, Rig Repair				
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**Operations Detail**  
Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000Psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair

**11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB**

Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg				
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**Operations Detail**  
Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss

**11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB**

Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg				
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**Operations Detail**  
Drlg f/ 6323 - 7033 =710 ' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>		
Job Type <b>Drilling</b>	Work Type Drilling - original	
Start Date 10/26/2011	End Date	Objective Drill Well
<b>11/3/2011 - 11/4/2011 / 2,356.0 ftKB - 3,781.0 ftKB</b>		
Report Number 10	Operations Summary Drlg f/ 2356 ft to 3781 ft w/ several survey's, Broke Wire Line, Retrieved Manually, Drlg to 3781 ft, w/ several Surveys.	
Operations Detail Drlg f/ 2356 ft to 2454 ft, Broke Survey Wire Line, Pulled Manually, Drlg f/ 2454 ft to 2802 ft, PU Circ. to Repair Electrical Line, Resume Drlg f/ 2802 ft - 3781 ft, w/ Several Surveys, Meal Was Provided for Crews, and Safety Meeting and Bonus Plan held By SM Energy Reps. Mark Bondy, Terry West, & Howard Smith		
<b>11/4/2011 - 11/5/2011 / 3,781.0 ftKB - 4,875.0 ftKB</b>		
Report Number 11	Operations Summary Drlg f/ 3781ft - 4875 ft, w/ Survey's and Sweeps	
Operations Detail Drlg f/ 3781 ft - 4875 ft, w/ Surveys and Sweeps, Recieved csg, Cleaned, Strapped and Run UT.		
<b>11/5/2011 - 11/6/2011 / 4,875.0 ftKB - 5,280.0 ftKB</b>		
Report Number 12	Operations Summary Drlg f/ 3781 ft - 4980 ft, TOOH f/ Bit, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps	
Operations Detail Drlg f/ 3781 ft - 4980 ft, Bit Slowed to 10 ft/Hr, POOH f/ Bit, Change Bits, TIH, Drlg f/ 4981 ft - 5280 ft, w/ Surveys and Sweeps, Time Set Back 1 Hr.		
<b>11/6/2011 - 11/7/2011 / 5,280.0 ftKB - 5,412.0 ftKB</b>		
Report Number 13	Operations Summary Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOH & SLM (NO Correction) Notified TRRC Rep. Jennifer, Oper. #12 or Intent to Run 8 5/8" Csg. and Cement.	
Operations Detail Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOOH & SLM, Run 8 5/8" Csg to 5412 ft, Began Cementing		
<b>11/7/2011 - 11/8/2011 / 5,412.0 ftKB - 5,412.0 ftKB</b>		
Report Number 14	Operations Summary Cemented w/Lead 1500 sx, Tail w/ 240 sx, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. N/Down BOP, Set Slips, Cut-off 8 5/8" Csg. N/U B-Section. & BOP Equipment & Test, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5219, Rig Repair	
Operations Detail Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair		
<b>11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB</b>		
Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg	
Operations Detail Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss		
<b>11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB</b>		
Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg	
Operations Detail Drlg f/ 6323 - 7033 = 710 ' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns		
<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,419.0 ftKB</b>		
Report Number 17	Operations Summary Drlg, Survey, Drlg, TOOH w/ BIT #4	
Operations Detail Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOOH F/ 7 7/8 PDC Bit Recieved, - 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.		



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>		
Job Type <b>Drilling</b>	Work Type Drilling - original	
Start Date 10/26/2011	End Date	Objective Drill Well
<b>11/6/2011 - 11/7/2011 / 5,280.0 ftKB - 5,412.0 ftKB</b>		
Report Number 13	Operations Summary Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOH & SLM (NO Correction) Notified TRRC Rep. Jennifer, Oper. #12 or Intent to Run 8 5/8" Csg. and Cement.	
Operations Detail Drlg f/ 5280 ft - 5412 ft, Fluid Caliper, Sweep 40 bbl, and Spot 80 bbl Mud. TOOH & SLM, Run 8 5/8" Csg to 5412 ft, Began Cementing		
<b>11/7/2011 - 11/8/2011 / 5,412.0 ftKB - 5,412.0 ftKB</b>		
Report Number 14	Operations Summary Cemented w/Lead 1500 sx, Tail w/ 240 sx, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. N/Down BOP, Set Slips, Cut-off 8 5/8" Csg. N/U B-Section. & BOP Equipment & Test, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5219, Rig Repair	
Operations Detail Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000Psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair		
<b>11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB</b>		
Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg	
Operations Detail Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss		
<b>11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB</b>		
Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg	
Operations Detail Drlg f/ 6323 - 7033 = 710' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns		
<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,033.0 ftKB</b>		
Report Number 17	Operations Summary Drlg, Survey, Drlg, TOOH w/ BIT #4	
Operations Detail Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOOH F/ 7 7/8 PDC Bit Recieved,- 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.		
<b>11/11/2011 - 11/12/2011 / 7,419.0 ftKB - 7,683.0 ftKB</b>		
Report Number 18	Operations Summary TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Remove Flow Nipple, Insert Spool & Rotating Head Bowl Assembly, Make Up Bell Nipple Flange to Dresser Sleeve On Flow Line, & , Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line, TIHw/ Drill Pipe, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg To 7683'	
Operations Detail TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Insert Spool on Top of Annular, & Rotating Head Bowl Assembly, Make Up Flow Nipple Flange to Dresser Sleeve On Flow Line, & Tighten Up All, Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line f/ Drum, Insall Snake To New Spool Of Drlg Line, & Restrung, Trip In hole w/ Drill Pipe While Filling Through Pipe every 30 Stands, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg f/ 7414 - 7463, Install Corr Ring, & Drive Bushing, Drlg f/ 7463 - 7683 = 264' @ 35.2 fph		
<b>11/12/2011 - 11/13/2011 / 7,683.0 ftKB - 7,683.0 ftKB</b>		
Report Number 19	Operations Summary Survey, Drlg, Survey, Drlg, Survey, Drlg, Rig Service, Drlg, Survey, Drlg	
Operations Detail Drlg f/ 7683 - 8115 = 432' @ 20.6 fph, While Pumping Sweeps, & Running Surveys, w/ Full Returns, Survey @ 7729 / 2.20 Deg., Survey @ 7792 / 2.15 Deg., Service Rig, Survey @ / 1.66 Deg.,		
<b>11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB</b>		
Report Number 20	Operations Summary Drlg, TOOH w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg	
Operations Detail Drlg F/8115 - 8381= 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig, M/U Smith FHi 43 Insert Bit #6, Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys		



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>		
Job Type Drilling	Work Type Drilling - original	
Start Date 10/26/2011	End Date	Objective Drill Well

<b>11/7/2011 - 11/8/2011 / 5,412.0 ftKB - 5,412.0 ftKB</b>	
Report Number 14	Operations Summary Cemented w/Lead 1500 sx, Tail w/ 240 sx, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. N/Down BOP, Set Slips, Cut-off 8 5/8" Csg. N/U B-Section. & BOP Equipment & Test, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5219, Rig Repair

**Operations Detail**  
Cemented w/Lead 1500 sx 50/50 "c", 10% Cel, 0.25% R-38, 3% Salt, Wt 11.9, Yeild 2.31, Tail w/ 240 sx "c", 0.25% R-38, Wt 14.8, Yeild 1.33, Bump Plug w/ 500 psi Over, 2480 psi, Floats Held, Circulated 74 bbl/ 180 sx to Reserve. WOC, ND Stack & Pick UP BOP, Set Slips w/125k & Cut-off. N/U B-Section, & Test to 1500 psi. NIPPLE up BOPE, And Test 250psi Low / 3,000psi High, Annular - 250psi Low / 3,000Psi High, N/U B-Section. & BOP Equipment & Test, W/ Monahans N/U Tester, P/U BHA, M/U PDC Bit, BHA, TIH, Tagged Cement @, 5288', Rig Repair

<b>11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB</b>	
Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg

**Operations Detail**  
Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss

<b>11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB</b>	
Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg

**Operations Detail**  
Drlg f/ 6323 - 7033 =710 ' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns

<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,033.0 ftKB</b>	
Report Number 17	Operations Summary Drlg,Survey, Drlg, TOOH w/ BIT #4

**Operations Detail**  
Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOOH F/ 7 7/8 PDC Bit Recieved,- 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.

<b>11/11/2011 - 11/12/2011 / 7,419.0 ftKB - 7,683.0 ftKB</b>	
Report Number 18	Operations Summary TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Remove Flow Nipple, Insert Spool & Rotating Head Bowl Assembly, Make Up Bell Nipple Flange to Dresser Sleeve On Flow Line, & , Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line, TIHw/ Drill Pipe, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg To 7683'

**Operations Detail**  
TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Insert Spool on Top of Annular, & Rotating Head Bowl Assembly, Make Up Flow Nipple Flange to Dresser Sleeve On Flow Line, & Tighten Up All, Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line f/ Drum, Insall Snake To New Spool Of Drlg Line, & Restrung, Trip In hole w/ Drill Pipe While Filling Through Pipe every 30 Stands, Install Rotating Head Rubber, Ream f/ 7334 - 7414,Drlg f/ 7414 - 7463, Install Corr Ring, & Drive Bushing, Drlg f/ 7463 - 7683 = 264' @ 35.2 fph

<b>11/12/2011 - 11/13/2011 / 7,683.0 ftKB - 7,683.0 ftKB</b>	
Report Number 19	Operations Summary Survey, Drlg, Survey, Drlg, Survey, Drlg, Rig Service, Drlg, Survey, Drlg

**Operations Detail**  
Drlg f/ 7683 - 8115 = 432" @ 20.6 fph, While Pumping Sweeps, & Running Surveys, w/ Full Returns, Survey @ 7729 / 2.20 Deg., Survey @ 7792 / 2.15 Deg., Service Rig, Survey @ / 1.66 Deg.,

<b>11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB</b>	
Report Number 20	Operations Summary Drlg, TOOH w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg

**Operations Detail**  
Drlg F/8115 - 8381= 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig,M/U Smith FHi 43 Insert Bit #6,Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys

<b>11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB</b>	
Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.

**Operations Detail**  
Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>		
Job Type Drilling	Work Type Drilling - original	
Start Date 10/26/2011	End Date	Objective Drill Well

<b>11/8/2011 - 11/9/2011 / 5,412.0 ftKB - 6,323.0 ftKB</b>	
Report Number 15	Operations Summary Rig Repair, Drlg Cement & Float Equipment, Test Casing, Drlg, Survey, Drlg, Survey, Drlg
Operations Detail Rig Repair, Pits Sucked Dry, Drlg Cment, & Float Equipment f/ 5288 - 5412, Test Casing To 1500 psi f/ 30mins, No Bleed Off Of Pressure, Drlg f/ 5412 - 5692 = 279' @ 43 fph, Survey @ 5644' / 1.06 Deg., Drlg f/ 5692 - 5913 = 221' @ 49 fph, Survey @ 5865' / 0.17 Deg., Drlg f/ 5913 - 6323 = 410' @ 51 fph, W/ No Fluid Loss	

<b>11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB</b>	
Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg
Operations Detail Drlg f/ 6323 - 7033 = 710' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns	

<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,033.0 ftKB</b>	
Report Number 17	Operations Summary Drlg, Survey, Drlg, TOOH w/ BIT #4
Operations Detail Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOOH F/ 7 7/8 PDC Bit Recieved,- 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.	

<b>11/11/2011 - 11/12/2011 / 7,419.0 ftKB - 7,683.0 ftKB</b>	
Report Number 18	Operations Summary TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Remove Flow Nipple, Insert Spool & Rotating Head Bowl Assembly, Make Up Bell Nipple Flange to Dresser Sleeve On Flow Line, & , Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line, TIHw/ Drill Pipe, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg To 7683'
Operations Detail TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Insert Spool on Top of Annular, & Rotating Head Bowl Assembly, Make Up Flow Nipple Flange to Dresser Sleeve On Flow Line, & Tighten Up All, Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line f/ Drum, Insall Snake To New Spool Of Drlg Line, & Restrting, Trip In hole w/ Drill Pipe While Filling Through Pipe every 30 Stands, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg f/ 7414 - 7463, Install Corr Ring, & Drive Bushing, Drlg f/ 7463 - 7683 = 264' @ 35.2 fph	

<b>11/12/2011 - 11/13/2011 / 7,683.0 ftKB - 7,683.0 ftKB</b>	
Report Number 19	Operations Summary Survey, Drlg, Survey, Drlg, Survey, Drlg, Rig Service, Drlg, Survey, Drlg
Operations Detail Drlg f/ 7683 - 8115 = 432" @ 20.6 fph, While Pumping Sweeps, & Running Surveys, w/ Full Returns, Survey @ 7729 / 2.20 Deg., Survey @ 7792 / 2.15 Deg., Service Rig, Survey @ / 1.66 Deg.,	

<b>11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB</b>	
Report Number 20	Operations Summary Drlg, TOOH w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg
Operations Detail Drlg F/8115 - 8381= 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig, M/U Smith FHi 43 Insert Bit #6, Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys	

<b>11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB</b>	
Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.
Operations Detail Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.	

<b>11/15/2011 - 11/16/2011 / 8,735.0 ftKB - 9,003.0 ftKB</b>	
Report Number 22	Operations Summary Drlg f/ 8735 ft - 9000 ft, w/ Surveys
Operations Detail Drlg 7 7/8 Hole, f/ 8735 ft - 9003 ft = 268 ft. 12.1 fph. w/ Wire Line Survey's @ 8748 ft, Inc 1.55 deg. 8862 ft, Inc 1.14 deg. Changed out Shaker Screen	



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>					
Job Type Drilling			Work Type Drilling - original		
Start Date 10/26/2011	End Date	Objective Drill Well			
<b>11/9/2011 - 11/10/2011 / 6,323.0 ftKB - 7,033.0 ftKB</b>					
Report Number 16	Operations Summary Drlg, Survey, Drlg, Survey, Drlg				
Operations Detail Drlg f/ 6323 - 7033 =710' @ 30.8 fph, W/ Surveys, Sweeps, & Full Returns					
<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,033.0 ftKB</b>					
Report Number 17	Operations Summary Drlg, Survey, Drlg, TOOH w/ BIT #4				
Operations Detail Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOOH F/ 7 7/8 PDC Bit Recieved, - 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.					
<b>11/11/2011 - 11/12/2011 / 7,419.0 ftKB - 7,683.0 ftKB</b>					
Report Number 18	Operations Summary TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Remove Flow Nipple, Insert Spool & Rotating Head Bowl Assembly, Make Up Bell Nipple Flange to Dresser Sleeve On Flow Line, & , Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line, TIHw/ Drill Pipe, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg To 7683'				
Operations Detail TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Insert Spool on Top of Annular, & Rotating Head Bowl Assembly, Make Up Flow Nipple Flange to Dresser Sleeve On Flow Line, & Tighten Up All, Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line f/ Drum, Insall Snake To New Spool Of Drlg Line, & Restrng, Trip In hole w/ Drill Pipe While Filling Through Pipe every 30 Stands, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg f/ 7414 - 7463, Install Corr Ring, & Drive Bushing, Drlg f/ 7463 - 7683 = 264' @ 35.2 fph					
<b>11/12/2011 - 11/13/2011 / 7,683.0 ftKB - 7,683.0 ftKB</b>					
Report Number 19	Operations Summary Survey, Drlg, Survey, Drlg, Survey, Drlg, Rig Service, Drlg, Survey, Drlg				
Operations Detail Drlg f/ 7683 - 8115 = 432" @ 20.6 fph, While Pumping Sweeps, & Running Surveys, w/ Full Returns, Survey @ 7729 / 2.20 Deg., Survey @ 7792 / 2.15 Deg., Service Rig, Survey @ / 1.66 Deg.,					
<b>11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB</b>					
Report Number 20	Operations Summary Drlg, TOOH w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg				
Operations Detail Drlg F/8115 - 8381= 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig, M/U Smith FHi 43 Insert Bit #6, Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys					
<b>11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB</b>					
Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.				
Operations Detail Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.					
<b>11/15/2011 - 11/16/2011 / 8,735.0 ftKB - 9,003.0 ftKB</b>					
Report Number 22	Operations Summary Drlg f/ 8735 ft - 9003 ft, w/ Surveys				
Operations Detail Drlg 7 7/8 Hole, f/ 8735 ft - 9003 ft = 268 ft. 12.1 fph. w/ Wire Line Survey's @ 8748 ft, Inc 1.55 deg. 8862 ft, Inc 1.14 deg. Changed out Shaker Screen					
<b>11/16/2011 - 11/17/2011 / 9,003.0 ftKB - 9,085.0 ftKB</b>					
Report Number 23	Operations Summary Drlg to 9003 ft, TOOH, Work on ST-80, TOOH, Replace Transmission in ST-80, Continue TOOH to Change Bits, TIH, Fix Hydraulic Hose on ST-80, TIH, Tag up and Ream Through				
Operations Detail Drlg f/ 9003 ft - 9085 ft, 82 ft of Progress @ 10.2 ft Hr. TOOH, Work on ST-80, TOOH, Change out Transmission on ST-80, Continue TOOH to Change Bits, TIH Repair ST-80 Hydraulic Hose, TIH, Tag @ 8775, PU Kelly, Ream f/ 8775 ft to 8917 ft.					



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

<b>Drilling Job</b>		
Job Type Drilling		Work Type Drilling - original
Start Date 10/26/2011	End Date	Objective Drill Well

<b>11/10/2011 - 11/11/2011 / 7,033.0 ftKB - 7,033.0 ftKB</b>	
Report Number 17	Operations Summary Drlg, Survey, Drlg, TOO H w/ BIT #4
Operations Detail Drlg f/ 7033 - 7419 = 386' @ 17.15 fph, w/ Surveys, Sweeps, & Full Returns Recieved, TOO H F/ 7 7/8 PDC Bit Recieved, - 236 jts, & 4 - Marker jts. 5 1/2" L-80 17# Production csg, Cleaned, Strapped, Drifted, and Run UT, All jts. OK, SM Safety Meeting, Stand Down Presented By Howard Smith, SM Drilling Superintendent, Meal Was Provided for Crews, Safety Meeting and Bonus Program Presented By SM Energy Leaders, Terry West, & Howard Smith.	

<b>11/11/2011 - 11/12/2011 / 7,419.0 ftKB - 7,683.0 ftKB</b>	
Report Number 18	Operations Summary TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Remove Flow Nipple, Insert Spool & Rotating Head Bowl Assembly, Make Up Bell Nipple Flange to Dresser Sleeve On Flow Line, & , Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line, TIHw/ Drill Pipe, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg To 7683'
Operations Detail TOH w/ 7 7/8 Smith PDC #4, Nipple Dwn BOP Extinsion, Insert Spool on Top of Annular, & Rotating Head Bowl Assembly, Make Up Flow Nipple Flange to Dresser Sleeve On Flow Line, & Tighten Up All, Install Float, & 7 7/8 Smith M613 PDC Bit #5, Trip In Hole w/ BHA, Slip & Cut Drlg line f/ Drum, Insall Snake To New Spool Of Drlg Line, & Restriring, Trip In hole w/ Drill Pipe While Filling Through Pipe every 30 Stands, Install Rotating Head Rubber, Ream f/ 7334 - 7414, Drlg f/ 7414 - 7463, Install Corr Ring, & Drive Bushing, Drlg f/ 7463 - 7683 = 264' @ 35.2 fph	

<b>11/12/2011 - 11/13/2011 / 7,683.0 ftKB - 7,683.0 ftKB</b>	
Report Number 19	Operations Summary Survey, Drlg, Survey, Drlg, Survey, Drlg, Rig Service, Drlg, Survey, Drlg
Operations Detail Drlg f/ 7683 - 8115 = 432" @ 20.6 fph, While Pumping Sweeps, & Running Surveys, w/ Full Returns, Survey @ 7729 / 2.20 Deg., Survey @ 7792 / 2.15 Deg., Service Rig, Survey @ / 1.66 Deg.,	

<b>11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB</b>	
Report Number 20	Operations Summary Drlg, TOO H w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg
Operations Detail Drlg F/8115 - 8381= 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig, M/U Smith FHi 43 Insert Bit #6, Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys	

<b>11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB</b>	
Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.
Operations Detail Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.	

<b>11/15/2011 - 11/16/2011 / 8,735.0 ftKB - 9,003.0 ftKB</b>	
Report Number 22	Operations Summary Drlg f/ 8735 ft - 9003 ft, w/ Surveys
Operations Detail Drlg 7 7/8 Hole, f/ 8735 ft - 9003 ft = 268 ft. 12.1 fph. w/ Wire Line Survey's @ 8748 ft, Inc 1.55 deg. 8862 ft, Inc 1.14 deg. Changed out Shaker Screen	

<b>11/16/2011 - 11/17/2011 / 9,003.0 ftKB - 9,085.0 ftKB</b>	
Report Number 23	Operations Summary Drlg to 9003 ft, TOO H, Work on ST-80, TOO H, Replace Transmission in ST-80, Continue TOO H to Change Bits, TIH, Fix Hydraulic Hose on ST-80, TIH, Tag up and Ream Through
Operations Detail Drlg f/ 9003 ft - 9085 ft, 82 ft of Progress @ 10.2 ft Hr. TOO H, Work on ST-80, TOO H, Change out Transmission on ST-80, Continue TOO H to Change Bits, TIH Repair ST-80 Hydraulic Hose, TIH, Tag @ 8775, PU Kelly, Ream f/ 8775 ft to 8817 ft.	

<b>11/17/2011 - 11/18/2011 / 9,085.0 ftKB - 9,685.0 ftKB</b>	
Report Number 24	Operations Summary Drlg f/ 9085 - 9685 w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft MISSRUN ., Went to Next Location to Check to See if Ready. Full Returns
Operations Detail Drlg f/ 9085 - 9669 = 584 ft @ 28.4 ft Hr, w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft Miss Run, Went to Next Location to Check to See if Ready, Drlg f/ 9669 - 9685 = 16 ft @ 32 fph w/ Full Returns	



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date	Total Depth (ftKB) 5,412

**Drilling Job**

Job Type Drilling	Work Type Drilling - original
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Start Date 10/26/2011	End Date	Objective Drill Well
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**11/13/2011 - 11/14/2011 / 8,130.0 ftKB - 8,381.0 ftKB**

Report Number 20	Operations Summary Drlg, TOO H w/ Bit #5, Service Rig, TIH While Filling Pipe, Ream 8070 - 8130 Drlg, Survey, Drlg
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**Operations Detail**  
Drlg F/8115 - 8381 = 266' @ 22.1 fph TOH w/ 7 7/8 Smith PDC Bit #5, Due to P.Rate, & Formation, Service Rig, M/U Smith FHi 43 Insert Bit #6, Break Circ., Ream 8070 - 8130, Drlg f/ 8130 - While Starting Mud Up @ 8200', w/ Full Returns, & Taking Surveys

**11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB**

Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.
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**Operations Detail**  
Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.

**11/15/2011 - 11/16/2011 / 8,735.0 ftKB - 9,003.0 ftKB**

Report Number 22	Operations Summary Drlg f/ 8735 ft - 9003 ft, w/ Surveys
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**Operations Detail**  
Drlg 7 7/8 Hole, f/ 8735 ft - 9003 ft = 268 ft. 12.1 fph. w/ Wire Line Survey's @ 8748 ft, Inc 1.55 deg. 8862 ft, Inc 1.14 deg. Changed out Shaker Screen

**11/16/2011 - 11/17/2011 / 9,003.0 ftKB - 9,085.0 ftKB**

Report Number 23	Operations Summary Drlg to 9003 ft, TOO H, Work on ST-80, TOO H, Replace Transmission in ST-80, Continue TOO H to Change Bits, TIH, Fix Hydraulic Hose on ST-80, TIH, Tag up and Ream Through
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**Operations Detail**  
Drlg f/ 9003 ft - 9085 ft, 82 ft of Progress @ 10.2 ft Hr. TOO H, Work on ST-80, TOO H, Change out Transmission on ST-80, Continue TOO H to Change Bits, TIH Repair ST-80 Hydraulic Hose, TIH, Tag @ 8775, PU Kelly, Ream f/ 8775 ft to 8817 ft.

**11/17/2011 - 11/18/2011 / 9,085.0 ftKB - 9,685.0 ftKB**

Report Number 24	Operations Summary Drlg f/ 9085 - 9685 w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft MISSRUN ., Went to Next Location to Check to See if Ready. Full Returns
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**Operations Detail**  
Drlg f/ 9085 - 9669 = 584 ft @ 28.4 ft Hr, w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft Miss Run, Went to Next Location to Check to See if Ready, Drlg f/ 9669 - 9685 = 16 ft @ 32 fph w/ Full Returns

**11/18/2011 - 11/19/2011 / 9,685.0 ftKB - 10,200.0 ftKB**

Report Number 25	Operations Summary Drlg 9685 - 10,200 w/ Survey @ 9650 ft 1.44 Deg, Pump Sweep
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**Operations Detail**  
Drlg 9685 - 10,200 = 515 ft @ 22.3 fph, W/ Survey @ 9650 ft Inc 1.44 Deg, Pump Viscous Low wtr Loss Sweep

**11/19/2011 - 11/20/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 26	Operations Summary Circ Sweep, Spot Pill on Bottom, TOO H, SLM, LD STBL Assembly, RU Schlumberger Logging Tools, Loggers TD 10205 ft, Log, TIH
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**Operations Detail**  
Circulate Sweep, Spot High Visc, Low Wtr Loss Pill on Bottom, TOO H, SLM, LD STBL Assembly, RU Schlumberger Logging Equipment, Loggers TD 10205 ft, Run PEX-HRLA-BSKT, HNGS-C, & Borehole Profile Log, RD Logging Equip, TIH

**11/20/2011 - 11/21/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 27	Operations Summary TIH, Circulate & Spot Pill on Bottom, R/U L/D Machine, Hold Safety Meeting, TOO H L/D Drill String. R/U Caser's, Hold Safety Meeting, Run 5 1/2" Csg, W.O. New Set of Power Tong's f/ Allen's Csg
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**Operations Detail**  
TIH, Circulate & Spot Pill on Bottom, R/U L/D Machine, Hold Safety Meeting, TOO H L/D Drill String. TRRC Notified @ 18:15, Rep. Angela, Operator #6, of Intent to Run Csg & Cmt, R/U Casing Crew, Hold Safety Meeting, Run 5 1/2" Csg. W.O. Power Tong.



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date 11/22/2011	Total Depth (ftKB) 10,200

**Drilling Job**

Job Type Drilling	Work Type Drilling - original
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Start Date 10/26/2011	End Date	Objective Drill Well
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**11/14/2011 - 11/15/2011 / 8,381.0 ftKB - 8,735.0 ftKB**

Report Number 21	Operations Summary Drlg f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys.
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Operations Detail  
Drlg w/ 7 7/8" Smith Insert Bit f/ 8381 ft - 8408 ft, Held SM Energy Stand Down Safety Meeting and Video, Continue Drlg to 8735 ft, w/ Surveys @ 8360 ft 1.12 Dev. 8579 ft 1.68 Dev.

**11/15/2011 - 11/16/2011 / 8,735.0 ftKB - 9,003.0 ftKB**

Report Number 22	Operations Summary Drlg f/ 8735 ft - 9003 ft, w/ Surveys
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Operations Detail  
Drlg 7 7/8 Hole, f/ 8735 ft - 9003 ft = 268 ft. 12.1 fph. w/ Wire Line Survey's @ 8748 ft, Inc 1.55 deg. 8862 ft, Inc 1.14 deg. Changed out Shaker Screen

**11/16/2011 - 11/17/2011 / 9,003.0 ftKB - 9,085.0 ftKB**

Report Number 23	Operations Summary Drlg to 9003 ft, TOOH, Work on ST-80, TOOH, Replace Transmission in ST-80, Continue TOOH to Change Bits, TIH, Fix Hydraulic Hose on ST-80, TIH, Tag up and Ream Through
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Operations Detail  
Drlg f/ 9003 ft - 9085 ft, 82 ft of Progress @ 10.2 ft Hr. TOOH, Work on ST-80, TOOH, Change out Transmission on ST-80, Continue TOOH to Change Bits, TIH Repair ST-80 Hydraulic Hose, TIH, Tag @ 8775, PU Kelly, Ream f/ 8775 ft to 8817 ft.

**11/17/2011 - 11/18/2011 / 9,085.0 ftKB - 9,685.0 ftKB**

Report Number 24	Operations Summary Drlg f/ 9085 - 9685 w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft MISSRUN ., Went to Next Location to Check to See if Ready. Full Returns
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Operations Detail  
Drlg f/ 9085 - 9669 = 584 ft @ 28.4 ft Hr, w/ Survey's @ 9145 ft 1.14 Deg, 9619 ft Miss Run, Went to Next Location to Check to See if Ready, Drlg f/ 9669 - 9685 = 16 ft @ 32 fph w/ Full Returns

**11/18/2011 - 11/19/2011 / 9,685.0 ftKB - 10,200.0 ftKB**

Report Number 25	Operations Summary Drlg 9685 - 10,200 w/ Survey @ 9650 ft 1.44 Deg, Pump Sweep
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Operations Detail  
Drlg 9685 - 10,200 = 515 ft @ 22.3 fph, W/ Survey @ 9650 ft Inc 1.44 Deg, Pump Viscous Low wtr Loss Sweep

**11/19/2011 - 11/20/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 26	Operations Summary Circ Sweep, Spot Pill on Bottom, TOOH, SLM, LD STBL Assembly, RU Schlumberger Logging Tools, Loggers TD 10205 ft, Log, TIH
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Operations Detail  
Circulate Sweep, Spot High Visc, Low Wtr Loss Pill on Bottom, TOOH, SLM, LD STBL Assembly, RU Schlumberger Logging Equipment, Loggers TD 10205 ft, Run PEX-HRLA-BSKT, HNGS-C, & Borehole Profile Log, RD Logging Equip, TIH

**11/20/2011 - 11/21/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 27	Operations Summary TIH, Circulate & Spot Pill on Bottom, R/U L/D Machine, Hold Safety Meeting, TOOH L/D Drill String. R/U Caser's, Hold Safety Meeting, Run 5 1/2" Csg, W.O. New Set of Power Tong's f/ Allen's Csg
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Operations Detail  
TIH, Circulate & Spot Pill on Bottom, R/U L/D Machine, Hold Safety Meeting, TOOH L/D Drill String. TRRC Notified @ 18:15, Rep. Angela, Operator #6, of Intent to Run Csg & Cmt, R/U Casing Crew, Hold Safety Meeting, Run 5 1/2" Csg. W.O. Power Tong.

**11/21/2011 - 11/22/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 28	Operations Summary R/U New Tong's, Run Csg, Cmt, N/D BOP, SET Slips, Cut-off Csg, L/D BOP, N/U Tubing Head, Jet Pits, Release Rig
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Operations Detail  
W.O. Power Tong's, R/U New Tong's, Run 5 1/2" Csg, Cmt w/ 730 sxs, N/D BOP, SET Slips w/ 120k lb, Cut-off Csg, L/D BOP, N/U Tubing Head, Jet Pits, Release Rig 11-22-11 @ 06:00



# Regulatory Partner Report - Last 7 Days

Well Name: UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date 11/22/2011	Total Depth (ftKB) 10,200

### Completion Job

Job Type Completion	Work Type Completion
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Start Date 11/28/2011	End Date	Objective Complete Well
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### 11/28/2011 - 11/28/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 1	Operations Summary Rigged up Halliburton on a crane truck. GIH with a GR/RCBL tool string. Correlated to a Schlumberger open hole log dated 11-19-11. Found TD @ 10,109' WL depth. Logged a GR/RCBL from 10,106' to 6,700' found TOC @ 7,072'. POH rig down. Deliver logs.
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Operations Detail  
Rigged up Halliburton on a crane truck. GIH with a GR/RCBL tool string. Correlated to a Schlumberger open hole log dated 11-19-11. Found TD @ 10,109' WL depth. Logged a GR/RCBL from 10,106' to 6,700' found TOC @ 7,072'. POH rig down. Deliver logs.

### 12/1/2011 - 12/1/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 2	Operations Summary Backhoe plus scrape and clean location put pea gravel in cellar. TFH Rental Spotting 7 water frac tanks and 1 acid tank. T-Rey rig up water transfer line and pump. Seaboard MI with frac stack and crane, nipple down tubing head then nipple up frac stack. Trey pump truck rig up and test all valve to 6500 psi held and recorded for 30 minutes good test. Call MRS to rig up flow line from frac stack to flow back tank.
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Operations Detail



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date 11/22/2011	Total Depth (ftKB) 10,200

**Completion Job**

Job Type <b>Completion</b>			Work Type <b>Completion</b>		
Start Date 11/28/2011	End Date	Objective Complete Well			

**12/1/2011 - 12/1/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 2	Operations Summary Backhoe plus scrape and clean location put pea gravel in cellar. TFH Rental Spotting 7 water frac tanks and 1 acid tank. T-Rey rig up water transfer line and pump. Seaboard MI with frac stack and crane, nipple down tubing head then nipple up frac stack. Trey pump truck rig up and test all valve to 6500 psi held and recorded for 30 minutes good test. Call MRS to rig up flow line from frac stack to flow back tank.				
Operations Detail					

**12/3/2011 - 12/3/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 3	Operations Summary MIRU GE wireline with Crane. Pick up 3 1/8 gun and lubricator. RIH w/wireline and correlated with Halliburton log dated 11/28/2011 got on depth and perforated Strawn - Atoka perms 9932-37 4 jspf 20 holes and 9870-80 4 jspf 40 holes 80 total holes. POH w/wireline all shot fired. Release GE wireline.				
Operations Detail					

**12/5/2011 - 12/5/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 4	Operations Summary 6:00 Arrive on location. Frac Tech on location rigging up. There is 2-3 inch of snow on location Weatherford, Protechnic and T-Rey on location. Water temp in tanks is 38 degrees. Finish rigging up held safety meeting discuss and pointed out hazard id. Final ph on fluid is 9.6 acid at 16%. Frac Tech having problems with some pumps not going in gear. Test line to 7200, found several leaks that had to be repaired. Got good test on treating line test pop-off to 7000 psi. Start stage 1 at 11:48 took 166 bbls to load got good break at 4014 psi 8 bpm pump 5000 gals of 15% acid 232 bbls of pad lost gel shut down repair gel pump. Resume frac with 5000 gals of 15% acid 185,724 gals of 15# XL gel 100,618 lbs of 20/40 white. Shut down at 13:31 isip 3757 5 min 3240 10 min 3093 15 min 2975 avg rate 52 bpm avg psi 4744. Pressure lub turn over to wireline. Pick up 3 1/8 gun with 10K plug and lubricator. RIH w/wireline and set plug at 9200 then pull up shot perms 9092 to 9112 4 jspf 80 perms. POH w/wireline all shot fired turn over to Frac Tech. Frac Tech broke perms at 2424 pump 178 bbls of gel water at 40 bpm 3890 psi. Order 1 load of brine water pump through all frac equipment to well head. SIW SDON due to weather. No incident or accident reported. Release Frac Tech, GE, Weatherford and T-Rey				
Operations Detail					

**12/6/2011 - 12/6/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 5	Operations Summary 8:00 on location. Water transfer pump froze some frac pump also froze waited on wet burners. Finally got everything thawed out. Started stage 2 at 12:35 pump 130 bbls Shut down gel hose plug due to cold weather. Restart stage 2 at 14:20 perms broke at 3245 frac w/3000 gals of 15% acid 169,512 gals of 15# XL gel 103,516 lbs of 20/40 white. Shut down at 15:20 ISIP 5059 Avg rate 48.2 avg psi 5961 pressure lub to 2500 psi turn over to wireline. Pick up 3 1/8 gun with 6k CBP RIH w/wireline set plug at 8950 shot perms 8908-15 4 jspf 28 hoes. POH w/wireline all shot fired. Turn well over to Frac Tech. Started 3 stage at 18:17 Frac w/5000 gals of 15% acid at avg rate of 4 bpm avg psi 2300 shut down at 18:47 isip 2000 psi. Tried to go in with 10k and got stuck we think just below manual bottom valve, Work until got loose close valve lay down 10 k plug could not find and marks like we were getting hung on manual valve. It could be because of low temperature getting ice block just below valve. Decision made to pump all acid in formation, we had 1000 gals of 15% acid spotted for next zone pump 50 bbls and over flush acid. then shut down release T-Rey, Weatherford, GE Wireline, Protechnic and Frac Tech. No incident or accident reported. Pump 10 bbls of 10# down well with GC & Son pump truck SIW and secure.				
Operations Detail					

**12/7/2011 - 12/7/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 6	Operations Summary SICP 520 psi - Flowed back approx 2 hrs @ 1/2 to 1 bpm - Bled down to 0 psi w/ slight trickle of fluid ( recovered approx 60 bbls fluid w/ no oil or gas show) - MIRU Key Energy workover unit - ND frac stack to master valve - Had no flow - Finished ND stack - NU 11" 3k x 7 1/16" 5k tbg head (test WH seals to 1500 psi) - NU 7 1/16" 5k hydraulic BOP - MI pipe racks & catwalk - Unload 314 jts 2 3/8" L-80 4.7# 8rd tbg from Master Tubulars - PU TIH w/ 4 3/4" cutrite mill & 125 jts 2 3/8" L-80 tbg - Secure well & SDON. Note: Had no run-over of fluid while TIH w/ tbg				
Operations Detail					

Note: Road Key workover unit from SweetiePeck field to Berkley lease (12-6) - WO to finish frac



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date 11/22/2011	Total Depth (ftKB) 10,200

### Completion Job

Job Type <b>Completion</b>			Work Type <b>Completion</b>		
Start Date 11/28/2011	End Date	Objective Complete Well			

#### 12/5/2011 - 12/5/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 4	Operations Summary 6:00 Arrive on location. Frac Tech on location rigging up. There is 2-3 inch of snow on location Weatherford, Protechnic and T-Rey on location. Water temp in tanks is 38 degrees. Finish rigging up held safety meeting discuss and pointed out hazard id. Final ph on fluid is 9.6 acid at 16%. Frac Tech having problems with some pumps not going in gear. Test line to 7200, found several leaks that had to be repaired. Got good test on treating line test pop-off to 7000 psi. Start stage 1 at 11:48 took 166 bbls to load got good break at 4014 psi 8 bpm pump 5000 gals of 15% acid 232 bbls of pad lost gel shut down repair gel pump. Resume frac with 5000 gals of 15% acid 185,724 gals of 15# XL gel 100,618 lbs of 20/40 white. Shut down at 13:31 isip 3757 5 min 3240 10 min 3093 15 min 2975 avg rate 52 bpm avg psi 4744. Pressure lub turn over to wireline. Pick up 3 1/8 gun with 10K plug and lubricator. RIH w/wireline and set plug at 9200 then pull up shot perfs 9092 to 9112 4 jspf 80 perfs. POH w/wireline all shot fired turn over to Frac Tech. Frac Tech broke perfs at 2424 pump 178 bbls of gel water at 40 bpm 3890 psi. Order 1 load of brine water pump through all frac equipment to well head. SIW SDON due to weather. No incident or accident reported. Release Frac Tech , GE, Weatherford and T-Rey
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Operations Detail

#### 12/6/2011 - 12/6/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 5	Operations Summary 8:00 on location. Water transfer pump froze some frac pump also froze waited on weat burners. Finally got everything thawed out. Started stage 2 at 12:35 pump 130 bbls Shut down gel hose plug due to cold weather. Restart stage 2 at 14:20 perfs broke at 3245 frac w/3000 gals of 15% acid 169,512 gals of 15# XL gel 103,516 lbs of 20/40 white. Shut down at 15:20 ISIP 5059 Avg rate 48.2 avg psi 5961 pressure lub to 2500 psi turn over to wireline. Pick up 3 1/8 gun with 6k CBP RIH w/wireline set plug at 8950 shot perfs 8908-15 4 jspf 28 hoes. POH w/wireline all shot fired. Turn well over to Frac Tech. Started 3 stage at 18:17 Frac w/5000 gals of 15% acid at avg rate of 4 bpm avg psi 2300 shut down at 18:47 isip 2000 psi. Tried to go in with 10k and got stuck we think just below manual bottom valve, Work until got loose close valve lay down 10 k plug could not find and marks like we were getting hung on manual valve. It could be because of low temperature getting ice block just below valve. Decision made to pump all acid in formation, we had 1000 gals of 15% acid spotted for next zone pump 50 bbls and over flush acid. then shut down release T-Rey, Weatherford, GE Wireline, Protechnic and Frac Tech. No incident or accident reported. Pump 10 bbls of 10# down well with GC & Son pump truck SIW and secure.
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Operations Detail

#### 12/7/2011 - 12/7/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 6	Operations Summary SICP 520 psi - Flowed back approx 2 hrs @ 1/2 to 1 bpm - Bled down to 0 psi w/ slight trickle of fluid ( recovered approx 60 bbls fluid w/ no oil or gas show) - MIRU Key Energy workover unit - ND frac stack to master valve - Had no flow - Finished ND stack - NU 11" 3k x 7 1/16" 5k tbg head (test WH seals to 1500 psi) - NU 7 1/16" 5k hydraulic BOP - MI pipe racks & catwalk - Unload 314 jts 2 3/8" L-80 4.7# 8rd tbg from Master Tubulars - PU TIH w/ 4 3/4" cutrite mill & 125 jts 2 3/8" L-80 tbg - Secure well & SDON. Note: Had no run-over of fluid while TIH w/ tbg
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Operations Detail

Note: Road Key workover unit from SweetiePeck field to Berkley lease (12-6) - WO to finish frac

#### 12/8/2011 - 12/8/2011 / 10,200.0 ftKB - 10,200.0 ftKB

Report Number 7	Operations Summary Wrote JSA & HSM - SI 12 hrs - SICP on slight vac - PU TIH w/ 146 jts 2 3/8" L-80 tbg & tag @ 8947' - NU stripper head (WO new rubber for 1 hr) & install 2 string floats in tbg - Rig-up power swivel & break circulation (FL approx 1120' FS) - Drill-out CBP's as follows: Plug # 1 @ 8950' - perfs 9092 - 9112' - tag @ 8947 by tally - 0 psi inc w/ no oil show Plug # 2 @ 9200' - perfs 9870-80' & 9932-37' - tag @ 9155' (45') - 0 psi inc w/ no oil show After DO plug @ 9200' lost all returns - Pumped 40 bbls & regained 75 - 85% returns - Circ hole clean - PU TIH w/ tbg & tag sand @ 9850' - Washed sand from 9850' to 10,106' by tbg tally (Bottom perf @ 9937' & PBSD @ 10,109') - Circulated bottoms up (2 1/2 hrs) - Lay down 6 jts & TOH w/ 25 stands to leave mill above top perf - Secure well & SDON - Had no oil or gas show during circulation. Note: Loggers can't be on location until 10 a.m. 12-9
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Operations Detail



## Regulatory Partner Report - Last 7 Days

**Well Name:** UNIVERSITY 7 BERKLEY 5

API 42003433810000	Location Land	Field Name UNIVERSITY BLOCK 9 PENN	Permit Number 723478	State TX	Well Configuration Type Vertical
Original KB Elevation (ft) 3,162.50	Ground Elevation (ft) 3,141.00	KB-Ground Distance (ft) 21.50	Original Spud Date 10/28/2011	Rig Release Date 11/22/2011	Total Depth (ftKB) 10,200

**12/9/2011 - 12/9/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 8	Operations Summary Wrote JSA & HSM - Tbg on slight vac - TIH w/ 56 jts tbg & tag bottom - Had no fill - LD 6 jts & TOH w/ tbg, string floats, & mill - RU Arc Pressure Data slickline unit - Ran Spectra Scan log from 10,096' to 7915' - Frac appeared to stay in zone - RD WL @ 3:30 p.m. - PU TIH w/ mud jt, desander, tbg sub, sn, enduralloy jt, 2 3/8" L-80 tbg, TAC, & 2 3/8" L-80 tbg - Secure well & SDON. TUBING IN HOLE: 253 jts 2 3/8" L-80 tubing 2 3/8" x 5 1/2" TAC 46 jts 2 3/8" L-80 tubing 2 3/8" Enduralloy joint 2 3/8" seating nipple 2 3/8" L-80 tubing sub 2 3/8" Cavins desander 2 3/8" x 3 1/2" bullplugged mud joint
Operations Detail	

**12/10/2011 - 12/10/2011 / 10,200.0 ftKB - 10,200.0 ftKB**

Report Number 9	Operations Summary Wrote JSA & HSM - Tbg on slight vac - ND BOP & set TAC in 19k tension - NU wellhead & rig-up to run rods - PU TIH w/ gas anchor, pump, guided rod sub, k-bar, shear tool, k-bars, 3/4" KD rods, 7/8" KD rods, & 1" fiberglass rods - Space out pump & load tbg w/ 14 bbls fw - Hung well on & pressure tbg to 500 psi - Held good w/ good pump action - Build wellhead & install ground wire for pumping unit - Have notified lease operator that well is to be put on production - RD Key Energy completion unit - Can't road unit due to foggy road condition - FINAL REPORT. (Note: Well to be left pumping when wellhead hook-up completed) RODS IN HOLE: 1 1/2" spray metal polish rod 1" fiberglass rod subs (9'X6'X3') 91 - 1" fiberglass rods w/ shsm cplgs 168 - 7/8" KD rods w/ shsm cplgs 76 - 3/4" KD rods w/ fhsm cplgs 11 - 1 1/2" k-bars 26k shear tool 1 - 1 1/2" k-bar 3/4" guided rod sub 2" x 1 1/4" x 24' RHBC pump 1" x 1' strainer nipple
Operations Detail	

MT # 9277 from TXL yard to location:  
95 - 1" fiberglass YB rods (3563')  
1 - 2 3/8" x 3 1/2" mud joint (31')  
Left on location:  
15 jts 2 3/8" L-80 4.7# 8rd WB tubing  
4 - 1" fiberglass rods (YB)