



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/10/2014
Report #: 1.0, DFS: -1.23
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX									
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)									
Job Status Job Started		Rig Status Rig Down In Progress		Weather		Temperature (°F)		Road Condition		Hole Condition					
Operations at Report Time Waiting on rig movers (Permian)				Operations Next Report Period Wait on trucks to set rest of rig in.											
Operations Summary Wait on Permian Trucking, Disassemble, rig load out, move to new location and set background in and spot substructure.															
Time Log															
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com						
06:00	1.00	1.00	07:00	1	RIGUP & TEARDOWN				Wait on daylight to move rig.						
07:00	11.00	12.00	18:00	1	RIGUP & TEARDOWN				Rig move with Permian trucking. Rig down rig with trucks, disassemble rig with trucks and move to University Consolidated IV #3009. Spotbuildings for central system, all crew quarters, company mans trailer and rig managers trailer. Spotted matting for substructure, transfer tanks, spot substructure. 100% of rig on new location and 20% rigged up.						
18:00	12.00	24.00	06:00	1	RIGUP & TEARDOWN				Wait on daylight to finish rigging up.						
Mud Checks															
Type		Time		Depth (ftKB)		Density (lb/gal)		Vis (s/qt)		PV Calc (Pa*s)		YP Calc (lb/100ft²)			
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		Filter Cake (1/32")		pH		Solids (%)			
MBT (lb/bbl)		Percent Oil (%)		Percent Water (%)		Chlorides (mg/L)		Calcium (mg/L)		Potassium (mg/L)		Electric Stab (V)			
Drilling Mud Volumes															
Action				To well (bbl)		From well (bbl)		Cum to Well (bbl)		Cum from Well (bbl)					
Drill Strings															
BHA #1, Steerable															
Bit Run 1		Drill Bit 12 1/4in, DP606S, 7040035				IADC Bit Dull -----			TFA (incl Noz) (in²) 0.84						
Nozzles (1/32") 11/11/11/11/11/11/11/11/11						String Length (ft) 1,129.25		String Wt (1000lbf) 66		BHA ROP (ft/hr) 65.8					
Drill String Components															
Item Des			Jts		OD (in)		ID (in)		Len (ft)		Top Thread				
Drill Pipe			13		4 1/2		3.826		582.58						
Drill Collar			12		6 1/2		2.750		369.79						
XO Sub			1		8		2.813		1.83						
Drill Collar			3		8		2.813		84.70						
Reamer - 3 Pt			1		8		3.000		8.75						
Drill Collar			1		8 1/2		2.813		28.74						
Reamer - 3 Pt			1		8		3.000		8.88						
Drill Collar			1		8 1/2		2.813		30.53						
Shock Sub			1		8		3.000		11.95						
Drilling Parameters															
Wellbore Original Hole		Start Depth (ftKB) 40.0		End Depth (ftKB) 40.0		Cum Depth (ft)		Drilling Time (hr) 0.00		Cum Drill Time (...)		Int ROP (ft/hr)		Flow Rate (gpm)	
WOB (1000lbf)		RPM (rpm)		SPP (psi)		Drill Str Wt (100...		PU Str Wt (1000...		SO Str Wt (1000...		Drilling Torque		Off Bottom Torque	
Q Gas Inj (ft³/min)		T Inj (°F)		P BH Ann (psi)		T BH (°F)		P Surf Annulus (...)		T Surf Annulus (...)		Q Liq Return (gp...		Q Gas Return (ft³...	
Interval Problems															
Problem Type		Problem Sub Type		Start Date		Start Depth (ftKB)		End Depth (ftKB)		Est Cost (Cost)		Est Lost Time (hr)			
Comment															

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 150,296.00		Cum To Date (Cost) 150,296.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 40.0		End Depth (ftKB) 40.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting		

Rigs		
Rig Name PRECISION 826		

Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)

# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)

Rig Name NO WOR			
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Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)

Rig Name BASIC 1743			
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Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description	Run Date	Set Depth...



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/11/2014
Report #: 2.0, DFS: -0.23
Depth Progress: 0.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Up	Weather Mostly cloudy	Temperature (°F) 51.0	Road Condition Good	Hole Condition				
Operations at Report Time Pre-spud inspection			Operations Next Report Period Finish rigging up hydraulic pipe rack and pick up bha.						
Operations Summary Wait on daylight to finish spotting rig, safety meeting, spot all equipment, rig up hoses and back ground, raise derrick, weld conductor, mix spud mud and and performe pre-spud inspection.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	1.00	1.00	07:00	1	RIGUP & TEARDOWN				Wait on daylight to finish spotting rig with trucks.
07:00	5.00	6.00	12:00	1	RIGUP & TEARDOWN				Safety meeting, continue to spot rig with trucks.
12:00	6.00	12.00	18:00	1	RIGUP & TEARDOWN				Rig up suitcase power cords, anphion cables, spool drilling line on drawworks, hydraulic hoses on derrick and install derrick raising cylinders.
18:00	6.00	18.00	00:00	1	RIGUP & TEARDOWN				set walking feet, raise derrick, scope derrick, install flow line, weld condutor, rig up transfer lines and kicker lines.
00:00	6.00	24.00	06:00	1	RIGUP & TEARDOWN				Continue working on conductor and flow line, also working on stand pipe, lower derrick raising rams, mix spud mud, install dog leg, pipe racks, topdrive rails, started pre-spud inspection and install kiker hoses from stand pipe to suitcase.
Mud Checks									
Type Water Base	Time 05:00	Depth (ftKB) 40.0	Density (lb/gal) 8.50	Vis (s/qt) 34	PV Calc (Pa*s)	YP Calc (lbf/100ft²)			
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 10.0	Solids (%)			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #1, Steerable									
Bit Run 1	Drill Bit 12 1/4in, DP606S, 7040035			IADC Bit Dull -----		TFA (incl Noz) (in²) 0.84			
Nozzles (1/32") 11/11/11/11/11/11/11/11/11				String Length (ft) 1,129.25	String Wt (1000lbf) 66	BHA ROP (ft/hr) 65.8			
Drill String Components									
Item Des		Jts	OD (in)	ID (in)	Len (ft)	Top Thread			
Drill Pipe		13	4 1/2	3.826	582.58				
Drill Collar		12	6 1/2	2.750	369.79				
XO Sub		1	8	2.813	1.83				
Drill Collar		3	8	2.813	84.70				
Reamer - 3 Pt		1	8	3.000	8.75				
Drill Collar		1	8 1/2	2.813	28.74				
Reamer - 3 Pt		1	8	3.000	8.88				
Drill Collar		1	8 1/2	2.813	30.53				
Shock Sub		1	8	3.000	11.95				
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 40.0	End Depth (ftKB) 40.0	Cum Depth (ft)	Drilling Time (hr) 0.00	Cum Drill Time (...)	Int ROP (ft/hr)	Flow Rate (gpm)		
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...)	PU Str Wt (1000...)	SO Str Wt (1000...)	Drilling Torque	Off Bottom Torque		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...)		
Interval Problems									
Problem Type	Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)		
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 31,919.00		Cum To Date (Cost) 182,215.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 40.0		End Depth (ftKB) 40.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting			
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi)	Slow Spd No	Strokes (sp...)	Eff (%)
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi) 1,000.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Fresh gel			60.0
Lime			10.0
Paper			10.0
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description	Run Date	Set Depth...	



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/12/2014
Report #: 3.0, DFS: 0.77
Depth Progress: 1,089.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Partly cloudy	Temperature (°F) 52.0	Road Condition Good	Hole Condition				
Operations at Report Time Drilling surface			Operations Next Report Period Finish drilling surface, trip and run surface casing.						
Operations Summary Finish pre- spud inspection, install cushioning sub, restrap bha, pick up and make up bha, spud at 11:30 am 12-12-14 and drill from 40'- 1129'.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	5.00	5.00	11:00	1	RIGUP & TEARDOWN				Continue pre-spud inspection, install hi-kal valve and safety clamps. Install cushioning sub, safety clamps, top drive shieve up grade plate and restrap bha.
11:00	0.50	5.50	11:30	6	TRIPS				Pick up and make up bha.
11:30	6.50	12.00	18:00	2	DRILL ACTUAL				Drill 12 1/4" from 40'- 361' with 12-18k, 100 rpm 130 strokes 540 gpm.
18:00	2.50	14.50	20:30	2	DRILL ACTUAL				Drill 12 1/4" from 361'- 512' 18- 22k on bit, 100 rpm 540 gpm.
20:30	0.50	15.00	21:00	10	DEVIATION SURVEY				Wire line survey at 512' 0.5 degree.
21:00	3.00	18.00	00:00	2	DRILL ACTUAL				Drill 12 1/4" from 512'- 725' with 18- 22k on bit, 100 rpm and 540 gpm.
00:00	4.00	22.00	04:00	2	DRILL ACTUAL				Drill 12 1/4" from 725'- 991' with 22k on bit, 100 rpm, 544 gpm and 4000 torque.
04:00	0.50	22.50	04:30	10	DEVIATION SURVEY				Wire line survey at 991'- 0.5 degree.
04:30	1.50	24.00	06:00	2	DRILL ACTUAL				Drill 12 1/4" from 991'- 1129' with 22k on bit, 100 rpm, 544 gpm and 4000 torque.
Mud Checks									
Type Water Base	Time 10:15	Depth (ftKB) 40.0	Density (lb/gal) 8.40	Vis (s/qt) 30	PV Calc (Pa*s) 1.0	YP Calc (lb/100ft³) 2.000			
Gel (10s) (lb/100ft³) 1.000	Gel (10m) (lb/100ft³) 1.000	Gel (30m) (lb/100ft³)	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 1	pH 12.6	Solids (%) 0.5			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 99.6	Chlorides (mg/L) 5,700.000	Calcium (mg/L) 120.000	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #1, Steerable									
Bit Run 1	Drill Bit 12 1/4in, DP606S, 7040035			IADC Bit Dull -----		TFA (incl Noz) (in³) 0.84			
Nozzles (1/32") 11/11/11/11/11/11/11/11				String Length (ft) 1,129.25	String Wt (1000lb) 66	BHA ROP (ft/hr) 65.8			
Drill String Components									
Item Des		Jts	OD (in)	ID (in)	Len (ft)	Top Thread			
Drill Pipe		13	4 1/2	3.826	582.58				
Drill Collar		12	6 1/2	2.750	369.79				
XO Sub		1	8	2.813	1.83				
Drill Collar		3	8	2.813	84.70				
Reamer - 3 Pt		1	8	3.000	8.75				
Drill Collar		1	8 1/2	2.813	28.74				
Reamer - 3 Pt		1	8	3.000	8.88				
Drill Collar		1	8 1/2	2.813	30.53				
Shock Sub		1	8	3.000	11.95				
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 40.0	End Depth (ftKB) 1,129.0	Cum Depth (ft) 1,089.00	Drilling Time (hr) 17.50	Cum Drill Time (...) 17.50	Int ROP (ft/hr) 62.2	Flow Rate (gpm) 544		
WOB (1000lb) 22	RPM (rpm) 100	SPP (psi) 1,000.0	Drill Str Wt (100... 84	PU Str Wt (1000... 85	SO Str Wt (1000... 83	Drilling Torque 4,000.0	Off Bottom Torque		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...		
Interval Problems									
Problem Type		Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)	
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 109,744.00		Cum To Date (Cost) 291,959.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 40.0		End Depth (ftKB) 1,129.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/12/2014	12/13/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Paper			10.0
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
250.00	0.70		
512.00	0.50		
991.00	0.50		
4,941.00	0.70	52.39	
5,031.00	0.62	49.75	
5,121.00	0.70	52.56	
5,210.00	0.62	32.17	
5,300.00	0.60	21.50	
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description		Run Date	Set Depth...



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/13/2014
Report #: 4.0, DFS: 1.77
Depth Progress: 556.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Partly Cloudy	Temperature (°F) 52.0		Road Condition Good	Hole Condition			
Operations at Report Time Circulating and rigging up O-Tex Pumping Cementers			Operations Next Report Period Cement Surface casing, wait on cement and nipple up bop.						
Operations Summary Drilling surface from 1129'- 1685', circ, short trip, circ, drop gyro, pooh and run casing with crt.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	7.50	7.50	13:30	2	DRILL ACTUAL				Drilling f/1129'- 1685' w/18-24k on bit, 100 rpm, 544 gpm and 4000 torque.
13:30	0.50	8.00	14:00	5	COND MUD & CIRC				Pump sweep and circulate.
14:00	2.00	10.00	16:00	6	TRIPS				Short trip to drill collars at 546'.
16:00	1.50	11.50	17:30	8	REPAIR RIG				Trouble shooting drawworks amphion.
17:30	1.50	13.00	19:00	6	TRIPS				Trip in the hole and wash 20' to bottom.
19:00	1.00	14.00	20:00	5	COND MUD & CIRC				Pump sweep and circulate.
20:00	3.50	17.50	23:30	6	TRIPS				Drop gyro and pooh to run surface casing.
23:30	0.50	18.00	00:00	12	RUN CASING & CEMENT				Safety meeting wiht crt crew and rig up crt.
00:00	5.50	23.50	05:30	12	RUN CASING & CEMENT				Run 40 jts 9 5/8" surface casing with crt. Total pipe 1687' set at 1667'.
05:30	0.50	24.00	06:00	12	RUN CASING & CEMENT				Circulate casing on bottom and rig up O-Tex Pumping Cementers.

Mud Checks						
Type Water Base	Time 11:00	Depth (ftKB) 1,524.0	Density (lb/gal) 9.50	Vis (s/qt) 33	PV Calc (Pa*s) 3.0	YP Calc (lb/100ft²) 6.000
Gel (10s) (lb/100ft²) 3.000	Gel (10m) (lb/100ft²) 6.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 1	pH 8.5	Solids (%) 8.7
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 91.3	Chlorides (mg/L) 6,200.000	Calcium (mg/L) 120.000	Potassium (mg/L)	Electric Stab (V)

Drilling Mud Volumes				
Action	To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)

Drill Strings					
BHA #1, Steerable					
Bit Run 1	Drill Bit 12 1/4in, DP606S, 7040035			IADC Bit Dull -----	
Nozzles (1/32") 11/11/11/11/11/11/11/11			String Length (ft) 1,129.25	String Wt (1000lbf) 66	BHA ROP (ft/hr) 65.8

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	13	4 1/2	3.826	582.58	
Drill Collar	12	6 1/2	2.750	369.79	
XO Sub	1	8	2.813	1.83	
Drill Collar	3	8	2.813	84.70	
Reamer - 3 Pt	1	8	3.000	8.75	
Drill Collar	1	8 1/2	2.813	28.74	
Reamer - 3 Pt	1	8	3.000	8.88	
Drill Collar	1	8 1/2	2.813	30.53	
Shock Sub	1	8	3.000	11.95	

Drilling Parameters							
Wellbore Original Hole	Start Depth (ftKB) 1,129.0	End Depth (ftKB) 1,685.0	Cum Depth (ft) 1,645.00	Drilling Time (hr) 7.50	Cum Drill Time (...) 25.00	Int ROP (ft/hr) 74.1	Flow Rate (gpm) 544
WOB (1000lbf) 22	RPM (rpm) 100	SPP (psi) 1,200.0	Drill Str Wt (100... 94	PU Str Wt (1000... 96	SO Str Wt (1000... 93	Drilling Torque 4,000.0	Off Bottom Torque
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...)

Interval Problems						
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)
Comment						

AFE Number 1500006210	AFE+Supp Amt (Cost) 1,800,638.00
Daily Field Est Total (Cost) 80,038.00	Cum To Date (Cost) 371,997.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 1,129.0	End Depth (ftKB) 1,685.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation	Target Depth (ftKB)
Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)
Time Log Total Hours (hr) 24.00	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/13/2014	12/14/2014

Rigs		
Rig Name PRECISION 826		

Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

# 2 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Rig Name NO WOR		
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Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Rig Name BASIC 1743		
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Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Fresh gel		50.0
Paper		9.0

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
1,390.00	0.31	84.44	
1,480.00	0.34	92.33	
1,570.00	0.26	66.09	
1,660.00	0.22	333.84	
2,164.00	0.62	29.89	

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/14/2014
Report #: 5.0, DFS: 2.77
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Clear	Temperature (°F) 38.0		Road Condition Good	Hole Condition			
Operations at Report Time Picking up and making up bha.				Operations Next Report Period Trip in the hole with deviation control assembly, test casing, pipe rams and annular, drill cement and float collar and drill formation.					
Operations Summary Circulate, cement surface casing, wait on cemet, cut off casing, weld well head and test at 1500 psi, nipple up bop and pick up and make up bha.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	0.50	0.50	06:30	12	RUN CASING & CEMENT				Circulate casing on bottom.
06:30	0.50	1.00	07:00	12	RUN CASING & CEMENT				Rig down crt.
07:00	0.50	1.50	07:30	12	RUN CASING & CEMENT				Safety meeting and rig up cementers. (O-Tex Pumping)
07:30	1.50	3.00	09:00	12	RUN CASING & CEMENT				Test lines, cement with 425 sks class c lead, 200 class c tail. plug landed and held 500 psi at 9:00 am 12-14-14.
09:00	0.50	3.50	09:30	12	RUN CASING & CEMENT				Rig down cementers.
09:30	5.50	9.00	15:00	13	WAIT ON CEMENT				Wait on cement.
15:00	3.00	12.00	18:00	14	NIPPLE UP B.O.P				Cut off conductor, cut 9 5/8" casing, weld well head and start nipple up bop.
18:00	6.00	18.00	00:00	14	NIPPLE UP B.O.P				Nipple up bop, hook up hydraulic lines, inastall flow line and welder reweld, rig up reserve pit pump and hoses, rig up choke line and kill line, function test bop, found hose not plugged in all the way, fixed problem and function test good.
00:00	1.00	19.00	01:00	14	NIPPLE UP B.O.P				Continue rigging up flare line and degasser lines.
01:00	0.50	19.50	01:30	15	TEST B.O.P				Test choke manifold low-259 psi, 1500 psi and found leak.
01:30	1.00	20.50	02:30	15	TEST B.O.P				Found leak on kill line, changed ring gasket and fixed clamp.
02:30	0.50	21.00	03:00	15	TEST B.O.P				Test choke manifold to 1500 psi high, hcr low 250 psi and 1500 psi high.
03:00	1.50	22.50	04:30	21	OPEN				Rig up floor for bha, get tools ready for bha and set up catwalk.
04:30	1.50	24.00	06:00	20	DIRECTIONAL WORK				Pick up and make up bha, make up bit, scribe motor and set mwd tool.
Mud Checks									
Type Water Base	Time 11:00	Depth (ftKB) 1,685.0	Density (lb/gal) 9.40	Vis (s/qt) 28	PV Calc (Pa*s) 1.0	YP Calc (lb/100ft²) 1.000			
Gel (10s) (lb/100ft²) 0.000	Gel (10m) (lb/100ft²) 0.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 0	pH 9.0	Solids (%) 7.1			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 92.9	Chlorides (mg/L) 117,000.000	Calcium (mg/L) 440.000	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #2, Steerable									
Bit Run 2	Drill Bit 8 3/4in, T606X, 7147875	IADC Bit Dull -----			TFA (incl Noz) (in²) 0.66				
Nozzles (1/32") 12/12/12/12/12				String Length (ft) 6,111.57	String Wt (1000lbf) 120	BHA ROP (ft/hr) 55.3			
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread				
Drill Pipe	120	4 1/2	3.826	5,375.39					
HWDP	5	4 1/2	2.750	153.19					
Jars	1	6 1/4	2.750	29.65					
HWDP	15	4 1/2	2.750	458.79					
XO Sub	1	6 3/4	2.688	2.64					
Drill Collar	1	6 3/4	2.813	30.24					
NMDC	1	6 3/4	2.750	30.31					
UBHO	1	6 3/4	2.875	2.63					
Float Sub	1	6 3/4	2.813	2.94					
Mud Motor - Bent Housing	1	6 3/4		24.79					

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 82,897.00		Cum To Date (Cost) 454,894.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 1,685.0		End Depth (ftKB) 1,685.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/13/2014	12/14/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des	Field Est (Cost/unit)	Consumed	
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
Last 5 Formations			
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)	
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0	



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/14/2014
Report #: 5.0, DFS: 2.77
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

Drilling Parameters							
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (...)	Int ROP (ft/hr)	Flow Rate (gpm)
Original Hole	1,685.0	1,685.0		0.00			0
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...	PU Str Wt (1000...	SO Str Wt (1000...	Drilling Torque	Off Bottom Torque
0	0						
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...

Interval Problems							
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)	

Comment



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/15/2014
Report #: 6.0, DFS: 3.77
Depth Progress: 1,290.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Partly Cloudy	Temperature (°F) 32.0	Road Condition Good	Hole Condition Good				
Operations at Report Time Drilling ahead controlling deviation.				Operations Next Report Period Drilling ahead and controlling deviation.					
Operations Summary Trip in the hole, tagged cement at1611', test pipe rams, annular and casing at 250 low and 1500 high. drill cement and float collar. drilling ahead controlling deviation from 1685'-2975'.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	2.50	2.50	08:30	6	DRILL ACTUAL				Trip in the hole, tagged cement @ 1611'
08:30	0.50	3.00	09:00	15	TEST B.O.P				Test Annular, pipe rams and casing @ 250 low and 1500 high and drill cement.
09:00	7.50	10.50	16:30	2	DRILL ACTUAL				Rotate drilling f/1685'- 1990' with12-18k on bit, 80 rpm, 544 gpm, 350 diff.
16:30	0.50	11.00	17:00	7	LUBRICATE RIG				Service rig.
17:00	1.00	12.00	18:00	2	DRILL ACTUAL				Drilling and controlling deveation f/1990'- 2079' w/12-18k on the bit, 80 rpm, 350 diff and 544 gpm.
18:00	6.00	18.00	00:00	2	DRILL ACTUAL				Drilling f/2079'- 2572' w/12-18k on the bit, 60-80 rpm, 544 gpm and 350 diff.
00:00	1.00	19.00	01:00	2	DRILL ACTUAL				Drilling f/2572'-2662' w/12-18k on the bit, 80 rpm, 3000 torque, 544 gpm, 350 diff.
01:00	0.50	19.50	01:30	2	DRILL ACTUAL				Slide drilling f/2662'- 2672' w/12k on bit, 544 gpm, 350 diff and 235 tool facing.
01:30	4.50	24.00	06:00	2	DRILL ACTUAL				Drillingand controll deveation w/12k on bit, 80 rpm, 544 gpm, 350 diff.
Mud Checks									
Type Water Base	Time 06:00	Depth (ftKB) 1,685.0	Density (lb/gal) 9.80	Vis (s/qt) 28	PV Calc (Pa*s) 1.0	YP Calc (lb/100ft²) 2.000			
Gel (10s) (lb/100ft²) 1.000	Gel (10m) (lb/100ft²) 1.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 0	pH 10.0	Solids (%) 9.9			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 90.2	Chlorides (mg/L) 155,000.000	Calcium (mg/L) 520.000	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #2, Steerable									
Bit Run 2	Drill Bit 8 3/4in, T606X, 7147875			IADC Bit Dull -----		TFA (incl Noz) (in²) 0.66			
Nozzles (1/32") 12/12/12/12/12/12				String Length (ft) 6,111.57	String Wt (1000lb/ft) 120	BHA ROP (ft/hr) 55.3			
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread				
Drill Pipe	120	4 1/2	3.826	5,375.39					
HWDP	5	4 1/2	2.750	153.19					
Jars	1	6 1/4	2.750	29.65					
HWDP	15	4 1/2	2.750	458.79					
XO Sub	1	6 3/4	2.688	2.64					
Drill Collar	1	6 3/4	2.813	30.24					
NMDC	1	6 3/4	2.750	30.31					
UBHO	1	6 3/4	2.875	2.63					
Float Sub	1	6 3/4	2.813	2.94					
Mud Motor - Bent Housing	1	6 3/4		24.79					
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 1,685.0	End Depth (ftKB) 2,975.0	Cum Depth (ft) 1,290.00	Drilling Time (hr) 20.00	Cum Drill Time (...) 20.00	Int ROP (ft/hr) 64.5			
Flow Rate (gpm) 544	WOB (1000lb/ft) 12	RPM (rpm) 80	SPP (psi) 2,150.0	Drill Str Wt (100...) 94	PU Str Wt (1000...) 98	SO Str Wt (1000...) 90			
Drilling Torque 300.0	Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)			
Q Liq Return (gp...)	Q Gas Return (ft³...)								
Interval Problems									
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)			
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 34,753.00		Cum To Date (Cost) 489,647.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 1,685.0		End Depth (ftKB) 2,975.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/15/2014	12/16/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi) 2,250.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099		
P (psi) 2,250.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des	Field Est (Cost/unit)	Consumed	
Ceder Fiber		5.0	
MF-55		7.0	
Salt Gel		30.0	
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
1,985.00	0.44	24.44	
2,075.00	0.53	21.45	
2,254.00	0.79	41.84	
2,343.00	1.14	47.47	
2,433.00	1.41	53.97	
Last 5 Formations			
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)	
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0	



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/16/2014
Report #: 7.0, DFS: 4.77
Depth Progress: 1,344.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX					
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)					
Job Status In Progress		Rig Status Rig Active		Weather Partly Cloudy		Temperature (°F) 39.0		Road Condition Good		Hole Condition Good	
Operations at Report Time Drilling ahead and controlling deviation					Operations Next Report Period Drill ahead						
Operations Summary Drilling ahead controlling deviation f/ 2975'- 4319,12' slide at at 3378'- 3390', 15' slide at 3647'-3662', Rotate drilling, mixing sweeps every 250' and pumping soap sticks every connection.											

Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	6.50	6.50	12:30	2	DRILL ACTUAL				Drilling f/2975'- 3378' w/12k on bit, 80 rpm, 544 gpm, 350 differential and 300 torque.
12:30	0.50	7.00	13:00	2	DRILL ACTUAL				Slide drill f/3378'- 3390' w/ 50 rop, 14k on bit, 350 differential and 225 tool face. (Dropping angle)
13:00	3.00	10.00	16:00	2	DRILL ACTUAL				Drilling f/3390'- 3647' w/12k on bit, 80 rpm, 544 gpm, 350 differential and 3000 torque.
16:00	0.50	10.50	16:30	2	DRILL ACTUAL				Slide drilling f/3647'- 3662' w/50 rop, 14k on bit, 544 gpm, 350 differential and 225 tool face. (Dropping angle)
16:30	7.50	18.00	00:00	2	DRILL ACTUAL				Drilling f/3662,- 4050' w/25k on bit, 80 rpm, 544 gpm, 350 differential and 3000 torque.
00:00	6.00	24.00	06:00	2	DRILL ACTUAL				Drilling f/4050'- 4319' w/15k on bit, 80 rpm, 544 gpm, 350 differential and 3500 torque.

Mud Checks						
Type Water Base	Time 10:30	Depth (ftKB) 3,216.0	Density (lb/gal) 10.00	Vis (s/qt) 29	PV Calc (Pa*s) 1.0	YP Calc (lb/100ft²) 1.000
Gel (10s) (lb/100ft²) 0.000	Gel (10m) (lb/100ft²) 0.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 10.5	Solids (%) 11.2
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 88.8	Chlorides (mg/L) 180,000.000	Calcium (mg/L) 520.000	Potassium (mg/L)	Electric Stab (V)

Drilling Mud Volumes				
Action	To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)

Drill Strings					
BHA #2, Steerable					
Bit Run 2	Drill Bit 8 3/4in, T606X, 7147875			IADC Bit Dull -----	
Nozzles (1/32") 12/12/12/12/12			String Length (ft) 6,111.57	String Wt (1000lbf) 120	BHA ROP (ft/hr) 55.3

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	120	4 1/2	3.826	5,375.39	
HWDP	5	4 1/2	2.750	153.19	
Jars	1	6 1/4	2.750	29.65	
HWDP	15	4 1/2	2.750	458.79	
XO Sub	1	6 3/4	2.688	2.64	
Drill Collar	1	6 3/4	2.813	30.24	
NMDC	1	6 3/4	2.750	30.31	
UBHO	1	6 3/4	2.875	2.63	
Float Sub	1	6 3/4	2.813	2.94	
Mud Motor - Bent Housing	1	6 3/4		24.79	

Drilling Parameters							
Wellbore Original Hole	Start Depth (ftKB) 2,975.0	End Depth (ftKB) 4,319.0	Cum Depth (ft) 2,634.00	Drilling Time (hr) 24.00	Cum Drill Time (...) 44.00	Int ROP (ft/hr) 56.0	Flow Rate (gpm) 544
WOB (1000lbf) 15	RPM (rpm) 80	SPP (psi) 2,350.0	Drill Str Wt (100... 115	PU Str Wt (1000... 128	SO Str Wt (1000... 110	Drilling Torque 3,500.0	Off Bottom Torque 300.0
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...

Interval Problems						
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)
Comment						

AFE Number 1500006210	AFE+Supp Amt (Cost) 1,800,638.00
Daily Field Est Total (Cost) 42,085.00	Cum To Date (Cost) 531,732.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 2,975.0	End Depth (ftKB) 4,319.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation	Target Depth (ftKB)
Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)
Time Log Total Hours (hr) 24.00	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/16/2014	12/17/2014

Rigs		
Rig Name PRECISION 826		
Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in) 6	Vol/Stk OR (bbl/stk) 0.099	
P (psi) 2,450.0	Slow Spd No	Strokes (sp... Eff (%) 65 95

# 2 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi) 2,450.0	Slow Spd No	Strokes (sp... Eff (%) 65 95
Rig Name NO WOR		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Rig Name BASIC 1743		
Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Ceder Fiber		10.0
MF-55		2.0
Paper		18.0
Salt Gel		90.0

Survey Data			
MD (ftKB) 4,045.00	Incl (°) 0.97	Azm (°) 50.46	TVD (ftKB)

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/17/2014
Report #: 8.0, DFS: 5.77
Depth Progress: 1,299.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX				
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)				
Job Status In Progress	Rig Status Rig Active	Weather Clear	Temperature (°F) 41.0		Road Condition Good	Hole Condition Good				
Operations at Report Time Drilling ahead and mudding up.				Operations Next Report Period Drilling ahead and finish mud up.						
Operations Summary Drilling ahead f/4319'- 5618' w/12-22k on bit, started mud up at 5000', vis 54, mud wt 10.3, ph 10.5. Working on water loss, still mixing yellow starch.										
Time Log										
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com	
06:00	10.50	10.50	16:30	2	DRILL ACTUAL				Drilling f/4319'- 4857' w/15-20k on bit, 80 rpm, 544 gpm, 350 differential and 4000 torque.	
16:30	0.50	11.00	17:00	7	LUBRICATE RIG				Service rig.	
17:00	7.00	18.00	00:00	2	DRILL ACTUAL				Drilling f/4857'- 5305' w/20k on bit, 80 rpm, 544 gpm, 350 differential and 4000 torque.	
00:00	6.00	24.00	06:00	2	DRILL ACTUAL				Drilling f/5305'- 5618' w/22k on bit, 80 rpm, 544 gpm, 350 differential and 5000 torque.	
Mud Checks										
Type Water Base	Time 09:45		Depth (ftKB) 4,481.0		Density (lb/gal) 10.10		Vis (s/qt) 30		PV Calc (Pa*s) 1.0	YP Calc (lb/100ft²) 2.000
Gel (10s) (lb/100ft²) 1.000	Gel (10m) (lb/100ft²) 1.000		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		Filter Cake (1/32")		pH 10.0	Solids (%) 12.0
MBT (lb/bbl)		Percent Oil (%)		Percent Water (%) 88.1		Chlorides (mg/L) 182,000.000		Calcium (mg/L) 520.000		Potassium (mg/L) Electric Stab (V)
Drilling Mud Volumes										
Action		To well (bbl)		From well (bbl)		Cum to Well (bbl)		Cum from Well (bbl)		
Drill Strings										
BHA #2, Steerable										
Bit Run 2	Drill Bit 8 3/4in, T606X, 7147875				IADC Bit Dull -----		TFA (incl Noz) (in²) 0.66			
Nozzles (1/32") 12/12/12/12/12/12				String Length (ft) 6,111.57		String Wt (1000lb/ft) 120		BHA ROP (ft/hr) 55.3		
Drill String Components										
Item Des		J/ts		OD (in)		ID (in)		Len (ft)		Top Thread
Drill Pipe		120		4 1/2		3.826		5,375.39		
HWDP		5		4 1/2		2.750		153.19		
Jars		1		6 1/4		2.750		29.65		
HWDP		15		4 1/2		2.750		458.79		
XO Sub		1		6 3/4		2.688		2.64		
Drill Collar		1		6 3/4		2.813		30.24		
NMDC		1		6 3/4		2.750		30.31		
UBHO		1		6 3/4		2.875		2.63		
Float Sub		1		6 3/4		2.813		2.94		
Mud Motor - Bent Housing		1		6 3/4				24.79		
Drilling Parameters										
Wellbore Original Hole	Start Depth (ftKB) 4,319.0	End Depth (ftKB) 5,618.0	Cum Depth (ft) 3,933.00	Drilling Time (hr) 23.50	Cum Drill Time (...) 67.50	Int ROP (ft/hr) 55.3	Flow Rate (gpm) 544			
WOB (1000lb/ft) 22	RPM (rpm) 80	SPP (psi) 2,600.0	Drill Str Wt (100...) 142	PU Str Wt (1000...) 148	SO Str Wt (1000...) 132	Drilling Torque 4,000.0	Off Bottom Torque 300.0			
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...)			
Interval Problems										
Problem Type		Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)		
Comment										

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 46,927.00		Cum To Date (Cost) 578,659.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 4,319.0		End Depth (ftKB) 5,618.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/16/2014	12/17/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.099	
P (psi) 2,700.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi) 2,700.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Ceder Fiber			10.0
Lime			25.0
Salt Gel			205.0
Starch			50.0
STC			4.0
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
6,554.00	0.06	16.88	
6,643.00	1.06	10.55	
6,733.00	1.23	8.62	
6,822.00	1.41	6.51	
6,912.00	1.41	6.33	
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth...	
1,685.0			



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/18/2014
Report #: 9.0, DFS: 6.77
Depth Progress: 493.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Isolated storms	Temperature (°F) 39.0	Road Condition Good	Hole Condition Good				
Operations at Report Time Trip out of hole for bit.				Operations Next Report Period Pooh					
Operations Summary drilling f/5618'- 6112', order mud early morning, didn't show till 7 1/2 hrs later, shut down and drilling and mixed mud. started drilling bit quit drilling pooh.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	9.50	9.50	15:30	2	DRILL ACTUAL				Drill f/5618'- 6045' w/20-22k on bit, 80 rpm, 544 gpm, 350 differential and 4000 torque.
15:30	0.50	10.00	16:00	7	LUBRICATE RIG				Service rig and work on mud line.
16:00	0.50	10.50	16:30	2	DRILL ACTUAL				Drill f/6045'- 6060' w/20-22k on bit, 80 rpm, 544 gpm, 350 differential and 4000 torque.
16:30	5.00	15.50	21:30	5	COND MUD & CIRC				Shut down drilling due to no mud on location. Mud was order by mud man early morning and had miscommunication with dispatcher, mud on location at 5:45 pm. Circulate and condition mud. vis. 54, wt. 10.2, ph 10.0 and wl 17.0
21:30	2.50	18.00	00:00	2	DRILL ACTUAL				Drilling f/6060'- 6111' w/20-22k on bit, 80 rpm, 544 gpm, 350 differential and 4500 torque.
00:00	0.50	18.50	00:30	5	COND MUD & CIRC				Circulate, set up cat walk to pooh, flow check at 6107.
00:30	4.00	22.50	04:30	6	TRIPS				trip out of hole with drill pipe and bha.
04:30	0.50	23.00	05:00	8	REPAIR RIG				Hydraulics, blew hose on pipe arm top jaw.
05:00	1.00	24.00	06:00	6	TRIPS				Continue to trip out of hole.
Mud Checks									
Type Water Base	Time 23:00	Depth (ftKB) 6,105.0	Density (lb/gal) 10.20	Vis (s/qt) 54	PV Calc (Pa*s) 18.0	YP Calc (lb/100ft²) 30.000			
Gel (10s) (lb/100ft²) 11.000	Gel (10m) (lb/100ft²) 23.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 17.0	Filter Cake (1/32") 2	pH 10.0	Solids (%) 12.8			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 87.3	Chlorides (mg/L) 173,000.000	Calcium (mg/L) 280.000	Potassium (mg/L)	Electric Stab (V)			
Type Water Base	Time 05:00	Depth (ftKB)	Density (lb/gal) 10.20	Vis (s/qt) 54	PV Calc (Pa*s) 18.0	YP Calc (lb/100ft²) 30.000			
Gel (10s) (lb/100ft²) 11.000	Gel (10m) (lb/100ft²) 23.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 12.0	Filter Cake (1/32") 2	pH 10.0	Solids (%) 12.8			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L) 173,000.000	Calcium (mg/L) 280.000	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #2, Steerable									
Bit Run 2	Drill Bit 8 3/4in, T606X, 7147875			IADC Bit Dull -----		TFA (incl Noz) (in²) 0.66			
Nozzles (1/32") 12/12/12/12/12/12				String Length (ft) 6,111.57	String Wt (1000lb) 120	BHA ROP (ft/hr) 55.3			
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread				
Drill Pipe	120	4 1/2	3.826	5,375.39					
HWDP	5	4 1/2	2.750	153.19					
Jars	1	6 1/4	2.750	29.65					
HWDP	15	4 1/2	2.750	458.79					
XO Sub	1	6 3/4	2.688	2.64					
Drill Collar	1	6 3/4	2.813	30.24					
NMDC	1	6 3/4	2.750	30.31					
UBHO	1	6 3/4	2.875	2.63					
Float Sub	1	6 3/4	2.813	2.94					
Mud Motor - Bent Housing	1	6 3/4		24.79					
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 5,618.0	End Depth (ftKB) 6,111.0	Cum Depth (ft) 4,426.00	Drilling Time (hr) 12.50	Cum Drill Time (...) 80.00	Int ROP (ft/hr) 39.4			
Flow Rate (gpm) 544	WOB (1000lb) 22	RPM (rpm) 80	SPP (psi) 2,650.0	Drill Str Wt (100...) 148	PU Str Wt (1000...) 149	SO Str Wt (1000...) 145			
Drilling Torque 4,500.0	Off Bottom Torque 300.0	Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)			
T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...)							
Interval Problems									
Problem Type	Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)			
Est Lost Time (hr)									
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 55,931.00		Cum To Date (Cost) 634,590.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 5,618.0		End Depth (ftKB) 6,111.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/19/2014	12/19/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi) 2,700.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi) 2,700.0	Slow Spd No	Strokes (sp...) 65	Eff (%) 95
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Lime			5.0
Salt Gel			225.0
Starch			100.0
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0	



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/19/2014
Report #: 10.0, DFS: 7.77
Depth Progress: 46.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Fog	Temperature (°F) 35.0	Road Condition Good	Hole Condition Good				
Operations at Report Time Drilling ahead with bha #3				Operations Next Report Period Drill ahead controlling deviation					
Operations Summary Pooh, slip and cut 45' drilling line, wait on fisherman, trip in the hole with fishing tools, latch on to fish (Mud motor), pooh and lay down, trip in the hole with new bit and motor and start to drill.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	1.50	1.50	07:30	6	TRIPS				Pooh with directional tools, No motor.
07:30	0.50	2.00	08:00	9	CUT OFF DRILL LINE				Slip and cut 45" drilling line.
08:00	2.00	4.00	10:00	19	FISHING				Wait on fisherman and fishing tools.
10:00	3.00	7.00	13:00	19	FISHING				Strap, pick up and make up fishing tools.
13:00	4.00	11.00	17:00	6	TRIPS				Trip in the hole with fishing tools.
17:00	0.50	11.50	17:30	19	FISHING				Fish and latched on to fish.
17:30	4.00	15.50	21:30	6	TRIPS				trip out of hole with fish. (Mud motor)
21:30	1.50	17.00	23:00	6	TRIPS				Break down bit, motor and fishing tools.
23:00	1.00	18.00	00:00	20	DIRECTIONAL WORK				Pick up and make up directional tools.
00:00	5.00	23.00	05:00	6	TRIPS				Trip in the hole with new bit, new motor and directional tools.
05:00	1.00	24.00	06:00	2	DRILL ACTUAL				Drilling ahead f/6111'- 6157' w/15-20k on bit, 80 rpm, 544 gpm, 350 differential and 3000 torque.
Mud Checks									
Type Water Base	Time 06:00	Depth (ftKB) 6,111.0	Density (lb/gal) 10.10	Vis (s/qt) 54	PV Calc (Pa*s)	YP Calc (lb/100ft²)			
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 10.0	Filter Cake (1/32") 1	pH 10.0	Solids (%)			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #3, Steerable									
Bit Run 3	Drill Bit 8 3/4in, T606X, 7150655	IADC Bit Dull -----		TFA (incl Noz) (in³) 0.66					
Nozzles (1/32") 12/12/12/12/12/12			String Length (ft) 8,800.70	String Wt (1000lb) 165	BHA ROP (ft/hr) 42.3				
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread				
Drill Pipe	180	4 1/2	3.826	8,063.17					
HWDP	5	4 1/2	2.750	153.19					
Jars	1	4 1/2		29.65					
HWDP	15	4 1/2	2.750	458.79					
XO Sub	1	6 3/4		2.64					
NMDC	1	6 3/4	2.813	30.24					
NMDC	1	6 3/4	2.813	30.31					
UBHO	1	6 3/4		2.63					
Float Sub	1	6 3/4		2.94					
Mud Motor - Bent Sub	1	6 3/4		26.14					
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 6,111.0	End Depth (ftKB) 6,157.0	Cum Depth (ft) 46.00	Drilling Time (hr) 1.00	Cum Drill Time (...) 1.00	Int ROP (ft/hr) 46.0	Flow Rate (gpm) 544		
WOB (1000lb) 22	RPM (rpm) 80	SPP (psi) 2,500.0	Drill Str Wt (100... 137	PU Str Wt (1000... 140	SO Str Wt (1000... 136	Drilling Torque 4,000.0	Off Bottom Torque 300.0		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...		
Interval Problems									
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)			
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 61,038.00		Cum To Date (Cost) 695,628.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 6,111.0		End Depth (ftKB) 6,157.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/19/2014	12/20/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0	



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/20/2014
Report #: 11.0, DFS: 8.77
Depth Progress: 1,031.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX	
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)	
Job Status In Progress	Rig Status Rig Active	Weather Partly Cloudy		Temperature (°F) 40.0	Road Condition Good		Hole Condition Good
Operations at Report Time Drilling ahead				Operations Next Report Period Drilling ahead.			
Operations Summary Drilling ahead controlling deviation f/6157'- 7233' with 20k on bit, 80 rpm, 544 gpm, 350 differential and 5000 torque. Slide from 7053'- 7068' correcting dev.							

Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	11.00	11.00	17:00	2	DRILL ACTUAL				Drilling f/6157'- 6695' w/20 k on bit, 80 rpm, 544 gpm, 400 differential and 3000 torque.
17:00	0.50	11.50	17:30	7	LUBRICATE RIG				Service rig.
17:30	6.50	18.00	00:00	2	DRILL ACTUAL				Drilling f/6695'- 7008' w/20k on bit, 80 rpm, 544 gpm, 400 differential and 4000 torque.
00:00	1.00	19.00	01:00	2	DRILL ACTUAL				Drilling f/7008'- 7053' w/20k on bit, 80 rpm, 544 gpm, 400 differential and 4000 torque.
01:00	1.50	20.50	02:30	2	DRILL ACTUAL				Slide drilling and correcting dev. f/7053'- 7068' w/20k on bit, 544 gpm, 400 differential and 180 tool facing.
02:30	3.50	24.00	06:00	2	DRILL ACTUAL				Drilling f/7068'- 7188' w/20k on bit, 80 rpm, 544 gpm, 400 differential and 500 torque.

Mud Checks							
Type Water Base	Time 06:00	Depth (ftKB) 6,391.0	Density (lb/gal) 10.20	Vis (s/qt) 54	PV Calc (Pa*s) 16.0	YP Calc (lb/100ft²) 26.000	
Gel (10s) (lb/100ft²) 9.000	Gel (10m) (lb/100ft²) 22.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 6.0	Filter Cake (1/32") 2	pH 10.0	Solids (%) 12.9	
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 87.2	Chlorides (mg/L) 161,000.000	Calcium (mg/L) 280.000	Potassium (mg/L)	Electric Stab (V)	

Drilling Mud Volumes				
Action	To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)

Drill Strings				
BHA #3, Steerable				
Bit Run 3	Drill Bit 8 3/4in, T606X, 7150655	IADC Bit Dull -----		TFA (incl Noz) (in³) 0.66
Nozzles (1/32") 12/12/12/12/12/12		String Length (ft) 8,800.70	String Wt (1000lb) 165	BHA ROP (ft/hr) 42.3

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	180	4 1/2	3.826	8,063.17	
HWDP	5	4 1/2	2.750	153.19	
Jars	1	4 1/2		29.65	
HWDP	15	4 1/2	2.750	458.79	
XO Sub	1	6 3/4		2.64	
NMDC	1	6 3/4	2.813	30.24	
NMDC	1	6 3/4	2.813	30.31	
UBHO	1	6 3/4		2.63	
Float Sub	1	6 3/4		2.94	
Mud Motor - Bent Sub	1	6 3/4		26.14	

Drilling Parameters							
Wellbore Original Hole	Start Depth (ftKB) 6,157.0	End Depth (ftKB) 7,188.0	Cum Depth (ft) 1,077.00	Drilling Time (hr) 23.50	Cum Drill Time (...) 24.50	Int ROP (ft/hr) 43.9	Flow Rate (gpm) 544
WOB (1000lb) 20	RPM (rpm) 80	SPP (psi) 2,600.0	Drill Str Wt (100... 167	PU Str Wt (1000... 170	SO Str Wt (1000... 166	Drilling Torque 5,000.0	Off Bottom Torque 300.0
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...)

Interval Problems						
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)
Comment						

AFE Number 1500006210	AFE+Supp Amt (Cost) 1,800,638.00
Daily Field Est Total (Cost) 41,234.00	Cum To Date (Cost) 736,862.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 6,157.0	End Depth (ftKB) 7,188.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation	Target Depth (ftKB)
Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)
Time Log Total Hours (hr) 24.00	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/20/2014	12/21/2014

Rigs	
Rig Name PRECISION 826	

Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	

P (psi) 2,650.0	Slow Spd No	Strokes (sp... 65	Eff (%) 95
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)	Vol/Stk OR (bbl/stk)		

P (psi) 2,700.0	Slow Spd No	Strokes (sp... 65	Eff (%) 95
Rig Name NO WOR			

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)

Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)

Rig Name BASIC 1743			
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Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)

Liner Size (in)	Vol/Stk OR (bbl/stk)		
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Lime		8.0
Salt Gel		10.0
Starch		100.0

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
7,629.00	1.10	34.50	
7,719.00	1.14	33.23	
7,808.00	1.06	31.30	
7,898.00	0.88	29.89	
7,988.00	0.97	34.28	

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Surface	Run Date 12/14/2014	Set Depth... 1,685.0



WI Partner Daily Drilling Detail Summary

Well Name: UNIVERSITY CONS IV 3009

Monday, January 12, 2015
Report Start Date: 12/21/2014
Report #: 12.0, DFS: 9.77
Depth Progress: 1,165.00

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Partly Cloudy	Temperature (°F) 49.0	Road Condition Good	Hole Condition Good				
Operations at Report Time Drilling ahead at 40' hr.				Operations Next Report Period Drilling ahead					
Operations Summary Drilling ahead f/7188- 8353' w/20-22k on bit 80 rpm, 544 gpm and 5000 torque.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	0.50	0.50	06:30	7	LUBRICATE RIG				Service rig.
06:30	11.50	12.00	18:00	2	DRILL ACTUAL				Drill f/7188'- 7860'w/20-22k on bit, 80 rpm, 544 gpm, 400 differential, 5000 torque.
18:00	6.00	18.00	00:00	2	DRILL ACTUAL				Drill f/7860'- 8129' w/20-22k on bit, 80 rpm, 544 gpm, 400 differential and 5000 torque.
00:00	6.00	24.00	06:00	2	DRILL ACTUAL				Drill f/8129'- 8353' w/20-22k on bit, 80 rpm, 544 gpm, 400 differential and 5000 torque.
Mud Checks									
Type Water Base	Time 01:00	Depth (ftKB) 8,143.0	Density (lb/gal) 10.20	Vis (s/qt) 50	PV Calc (Pa*s) 14.0	YP Calc (lb/100ft³) 18.000			
Gel (10s) (lb/100ft³) 8.000	Gel (10m) (lb/100ft³) 14.000	Gel (30m) (lb/100ft³)	Filtrate (mL/30min) 9.8	Filter Cake (1/32") 2	pH 9.5	Solids (%) 12.8			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 87.3	Chlorides (mg/L) 176,000.000	Calcium (mg/L) 440.000	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #3, Steerable									
Bit Run 3	Drill Bit 8 3/4in, T606X, 7150655			IADC Bit Dull -----		TFA (incl Noz) (in³) 0.66			
Nozzles (1/32") 12/12/12/12/12/12				String Length (ft) 8,800.70	String Wt (1000lb) 165	BHA ROP (ft/hr) 42.3			
Drill String Components									
Item Des		Jts	OD (in)	ID (in)	Len (ft)	Top Thread			
Drill Pipe		180	4 1/2	3.826	8,063.17				
HWDP		5	4 1/2	2.750	153.19				
Jars		1	4 1/2		29.65				
HWDP		15	4 1/2	2.750	458.79				
XO Sub		1	6 3/4		2.64				
NMDC		1	6 3/4	2.813	30.24				
NMDC		1	6 3/4	2.813	30.31				
UBHO		1	6 3/4		2.63				
Float Sub		1	6 3/4		2.94				
Mud Motor - Bent Sub		1	6 3/4		26.14				
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 7,188.0	End Depth (ftKB) 8,353.0	Cum Depth (ft) 2,242.00	Drilling Time (hr) 23.50	Cum Drill Time (...) 48.00	Int ROP (ft/hr) 49.6	Flow Rate (gpm) 544		
WOB (1000lb) 20	RPM (rpm) 80	SPP (psi) 2,650.0	Drill Str Wt (100... 187	PU Str Wt (1000... 189	SO Str Wt (1000... 186	Drilling Torque 5,000.0	Off Bottom Torque 300.0		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...		
Interval Problems									
Problem Type		Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)	
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 44,984.00		Cum To Date (Cost) 781,846.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 7,188.0		End Depth (ftKB) 8,353.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/21/2014	12/22/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Ceder Fiber			5.0
Lime			2.0
Paper			2.0
Salt Gel			10.0
Starch			35.0
STC			4.0
Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)
8,525.00	1.32	43.95	
8,614.00	1.32	45.01	
8,704.00	1.32	57.49	
8,750.00	1.49	62.76	
8,800.00	1.49	62.76	
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description Surface	Run Date 12/14/2014	Set Depth...	
1,685.0			



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/22/2014
Report #: 13.0, DFS: 10.77
Depth Progress: 447.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status In Progress	Rig Status Rig Active	Weather Cloudy	Temperature (°F) 36.0		Road Condition Good	Hole Condition Good			
Operations at Report Time Short trip to 5000' (Tripping back in the hole)				Operations Next Report Period Finish trip back to bottom, circulate and trip out for logs.					
Operations Summary Drilling f/8353'- 8800' TD, Circulate, Short trip to 5000' and trip back in the hole.									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	12.00	12.00	18:00	2	DRILL ACTUAL				Drilling f/8353'- 8666' w/20-22k on bit, 80 rpm, 544 gpm, 400 differential and 5000 torque.
18:00	3.50	15.50	21:30	2	DRILL ACTUAL				Drilling f/8666'- 8800' w/20-22k on bit, 80 rpm, 544 gpm, 350 differential and 5000 torque.
21:30	1.50	17.00	23:00	5	COND MUD & CIRC				Circulate and condition mud.
23:00	3.50	20.50	02:30	6	TRIPS				Short trip out from 8800'- 5000'.
02:30	0.50	21.00	03:00	21	OPEN				Circulate, set up catwalk to trip back in the hole and check for flow before tripping back in the hole.
03:00	1.50	22.50	04:30	6	TRIPS				Tripin the hole f/5000'- 6950'.
04:30	0.50	23.00	05:00	7	LUBRICATE RIG				Service rig.
05:00	1.00	24.00	06:00	6	TRIPS				Trip back in the hole from 6950'- 8000'.
Mud Checks									
Type Water Base		Time 23:00	Depth (ftKB) 8,800.0	Density (lb/gal) 10.30	Vis (s/qt) 62	PV Calc (Pa*s)	YP Calc (lbf/100ft²)		
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)	Filtrate (mL/30min) 6.0	Filter Cake (1/32")	pH 9.5	Solids (%)		
MBT (lb/bbl)		Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)		
Drilling Mud Volumes									
Action		To well (bbl)		From well (bbl)		Cum to Well (bbl)		Cum from Well (bbl)	
Drill Strings									
BHA #3, Steerable									
Bit Run 3	Drill Bit 8 3/4in, T606X, 7150655			IADC Bit Dull -----		TFA (incl Noz) (in²) 0.66			
Nozzles (1/32") 12/12/12/12/12/12				String Length (ft) 8,800.70	String Wt (1000lbf) 165	BHA ROP (ft/hr) 42.3			
Drill String Components									
Item Des		Jts	OD (in)	ID (in)	Len (ft)	Top Thread			
Drill Pipe		180	4 1/2	3.826	8,063.17				
HWDP		5	4 1/2	2.750	153.19				
Jars		1	4 1/2		29.65				
HWDP		15	4 1/2	2.750	458.79				
XO Sub		1	6 3/4		2.64				
NMDC		1	6 3/4	2.813	30.24				
NMDC		1	6 3/4	2.813	30.31				
UBHO		1	6 3/4		2.63				
Float Sub		1	6 3/4		2.94				
Mud Motor - Bent Sub		1	6 3/4		26.14				
Drilling Parameters									
Wellbore Original Hole	Start Depth (ftKB) 8,353.0	End Depth (ftKB) 8,800.0	Cum Depth (ft) 2,689.00	Drilling Time (hr) 15.50	Cum Drill Time (...) 63.50	Int ROP (ft/hr) 28.8	Flow Rate (gpm) 544		
WOB (1000lbf) 20	RPM (rpm) 80	SPP (psi) 2,650.0	Drill Str Wt (100... 197	PU Str Wt (1000... 198	SO Str Wt (1000... 195	Drilling Torque 5,000.0	Off Bottom Torque 300.0		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...)	Q Gas Return (ft³...		
Interval Problems									
Problem Type		Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)	
Comment									

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 41,416.00		Cum To Date (Cost) 823,262.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 8,353.0		End Depth (ftKB) 8,800.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	
Safety Check Summary			
Type	Last Date	Next Date	
Safety Meeting	12/23/2014	12/23/2014	
Rigs			
Rig Name PRECISION 826			
Mud Pumps			
# 1 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi) 2,700.0	Slow Spd No	Strokes (sp... 65	Eff (%) 95
# 2 , Bomco , FA-1600			
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi) 2,700.0	Slow Spd No	Strokes (sp... 65	Eff (%) 95
Rig Name NO WOR			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Rig Name BASIC 1743			
Mud Pumps			
# <Pump Number?>, <Make?>, <Mode			
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)	
Liner Size (in)		Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp...)	Eff (%)
Mud Additive Amounts			
Des		Field Est (Cost/unit)	Consumed
Ceder Fiber			6.0
Lime			6.0
Paper			6.0
Salt Gel			10.0
Starch			50.0
STC			2.0
Survey Data			
MD (ftKB)	Incl (°)	Azim (°)	TVD (ftKB)
Last 5 Formations			
Formation Name		Prog Top MD (ftKB)	Drill Top MD (ftKB)
Last Casing String			
Casing Description Surface		Run Date 12/14/2014	Set Depth... 1,685.0



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/23/2014
Report #: 14.0, DFS: 11.77
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX							
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)							
Job Status In Progress	Rig Status Rig Active	Weather Clear	Temperature (°F) 31.0		Road Condition Good	Hole Condition Good							
Operations at Report Time Trip in the hole to clean out hole for casing.				Operations Next Report Period Trip in the hole to circulate to run casing.									
Operations Summary Finish short trip, circulate, pooh for logs and lay down directional tools, rig up loggers, log, rig down loggers and start in the hole with bit and Hwt drill pipe.													
Time Log													
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com				
06:00	0.50	0.50	06:30	6	TRIPS				Finish tripping in the hole with short trip.				
06:30	0.50	1.00	07:00	3	REAMING				Ream and wash to bottom f/8711'-8800'.				
07:00	2.00	3.00	09:00	5	COND MUD & CIRC				Pump high vis sweep and circulate.				
09:00	9.00	12.00	18:00	6	TRIPS				Trip out of the hole with directional tools and log.				
18:00	10.00	22.00	04:00	11	WIRELINE LOGS				Safety meeting with logging crew (Schlumberger), rig up loggers, log and rig down.				
04:00	2.00	24.00	06:00	6	TRIPS				Trip in the hole with bit and Hwt drill pipe for wiper trip.				
Mud Checks													
Type Water Base	Time 09:30		Depth (ftKB) 8,800.0		Density (lb/gal) 10.20		Vis (s/qt) 54		PV Calc (Pa*s) 18.0	YP Calc (lb/100ft³) 20.000			
Gel (10s) (lb/100ft³) 10.000	Gel (10m) (lb/100ft³) 19.000		Gel (30m) (lb/100ft³)		Filtrate (mL/30min) 7.4		Filter Cake (1/32") 1		pH 9.5	Solids (%) 12.7			
MBT (lb/bbl)		Percent Oil (%)		Percent Water (%) 87.3		Chlorides (mg/L) 180,000.000		Calcium (mg/L) 360.000		Potassium (mg/L)	Electric Stab (V)		
Drilling Mud Volumes													
Action			To well (bbl)		From well (bbl)		Cum to Well (bbl)		Cum from Well (bbl)				
Drill Strings													
BHA #4, Slick													
Bit Run 4		Drill Bit 8 3/4in, VGD-30, RR				IADC Bit Dull -----			TFA (incl Noz) (in²)				
Nozzles (1/32")						String Length (ft) 8,797.32		String Wt (1000lbf) 160		BHA ROP (ft/hr)			
Drill String Components													
Item Des			Jts		OD (in)		ID (in)		Len (ft)		Top Thread		
Drill Pipe					4 1/2		3.826		8,152.83				
HWDP			5		4 1/2		2.750		153.19				
Jars			1		4 1/2				29.65				
HWDP			15		4 1/2		2.750		458.79				
Bit Sub			1						2.86				
Drilling Parameters													
Wellbore Original Hole		Start Depth (ftKB) 8,800.0		End Depth (ftKB) 8,800.0		Cum Depth (ft)		Drilling Time (hr) 0.00		Cum Drill Time (... Int ROP (ft/hr)		Flow Rate (gpm) 0	
WOB (1000lbf) 0		RPM (rpm) 0		SPP (psi) 0.0		Drill Str Wt (100...		PU Str Wt (1000...		SO Str Wt (1000...		Drilling Torque	Off Bottom Torque
Q Gas Inj (ft³/min)		T Inj (°F)		P BH Ann (psi)		T BH (°F)		P Surf Annulus (... T Surf Annulus (... Q Liq Return (gp...		Q Gas Return (ft³...			
Interval Problems													
Problem Type		Problem Sub Type			Start Date		Start Depth (ftKB)		End Depth (ftKB)		Est Cost (Cost)		Est Lost Time (hr)
Comment													

AFE Number 1500006210		AFE+Supp Amt (Cost) 1,800,638.00	
Daily Field Est Total (Cost) 84,655.00		Cum To Date (Cost) 907,917.00	
Daily Mud Field Est (Cost)		Cum Mud Field Est (Cost)	
Start Depth (ftKB) 8,800.0		End Depth (ftKB) 8,800.0	
Start Depth (TVD) (ftKB)		End Depth (TVD) (ftKB)	
Target Formation		Target Depth (ftKB)	
Personnel Total Hours (hr)		Cum Pers Tot Hr (hr)	
Time Log Total Hours (hr) 24.00		Problem Time Hours (hr) 0.00	
Percent Problem Time (%) 0.00		Cum Prob Time (%) 0.00	
Days LTI (days)		Days RI (days)	

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/23/2014	12/24/2014

Rigs		
Rig Name PRECISION 826		

Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

# 2 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)
Rig Name NO WOR		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)
Rig Name BASIC 1743		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)		Vol/Stk OR (bbl/stk)
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Production	Run Date 12/24/2014	Set Depth... 8,800.0



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/24/2014
Report #: 15.0, DFS: 12.77
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX					
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)					
Job Status In Progress	Rig Status Rig Active	Weather Mostly clear	Temperature (°F) 36.0	Road Condition Good	Hole Condition Good						
Operations at Report Time Running casing				Operations Next Report Period							
Operations Summary T.I.H., Circulate, T.O.O.H., cut drlg line, run casing											
Time Log											
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com		
06:00	7.50	7.50	13:30	6	TRIPS				T.I.H.		
13:30	1.50	9.00	15:00	5	COND MUD & CIRC				Circulate bottoms up		
15:00	7.50	16.50	22:30	6	TRIPS				T.O.O.H. to run casing		
22:30	1.00	17.50	23:30	9	CUT OFF DRILL LINE				Slip & cut 45' drlg line		
23:30	6.50	24.00	06:00	12	RUN CASING & CEMENT				Rig up casing crew & run casing		
Mud Checks											
Type	Time		Depth (ftKB)		Density (lb/gal)		Vis (s/qt)		PV Calc (Pa*s)	YP Calc (lb/100ft²)	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		Filter Cake (1/32")		pH	Solids (%)	
MBT (lb/bbl)	Percent Oil (%)		Percent Water (%)		Chlorides (mg/L)		Calcium (mg/L)		Potassium (mg/L)	Electric Stab (V)	
Drilling Mud Volumes											
Action			To well (bbl)		From well (bbl)		Cum to Well (bbl)		Cum from Well (bbl)		
Drill Strings											
BHA #<stringno>, <des>											
Bit Run	Drill Bit				IADC Bit Dull				TFA (incl Noz) (in²)		
Nozzles (1/32")					String Length (ft)		String Wt (1000lb)		BHA ROP (ft/hr)		
Drill String Components											
Item Des			Jts		OD (in)		ID (in)		Len (ft)		Top Thread
Drilling Parameters											
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (...)	Int ROP (ft/hr)	Flow Rate (gpm)				
WOB (1000lb)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...	PU Str Wt (1000...	SO Str Wt (1000...	Drilling Torque	Off Bottom Torque				
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...				
Interval Problems											
Problem Type		Problem Sub Type		Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)		Est Lost Time (hr)		
Comment											

AFE Number 1500006210	AFE+Supp Amt (Cost) 1,800,638.00
Daily Field Est Total (Cost) 26,413.00	Cum To Date (Cost) 934,330.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 8,800.0	End Depth (ftKB) 8,800.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation	Target Depth (ftKB)
Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)
Time Log Total Hours (hr) 24.00	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/23/2014	12/24/2014

Rigs		
Rig Name PRECISION 826		

Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

# 2 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)
Rig Name NO WOR		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)
Rig Name BASIC 1743		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Production	Run Date 12/24/2014	Set Depth... 8,800.0



WI Partner Daily Drilling Detail Summary

Monday, January 12, 2015
Report Start Date: 12/25/2014
Report #: 16.0, DFS: 13.77
Depth Progress: 0.00

Well Name: UNIVERSITY CONS IV 3009

API/UWI 42003463210000		Surface Legal Location		License #		State/Province TX			
Spud Date 12/12/2014 11:30		Rig Release Date 12/26/2014 06:00		KB-Ground Distance (ft) 17.00		KB-Casing Flange Distance (ft)			
Job Status Job Complete	Rig Status Rig Active	Weather	Temperature (°F)	Road Condition Good	Hole Condition Good				
Operations at Report Time JET PITS (RELEASE RIG @ 6:00 AM 12-26-14)				Operations Next Report Period					
Operations Summary Run casing, circulate, cement, nipple down set slips cut off casing, finish nipple down, jet pits									
Time Log									
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Activity Code	Activity Desc.	Problem ?	Prob Hrs (hr)	Prob Ref #	Com
06:00	6.50	6.50	12:30	12	RUN CASING & CEMENT				Run 7" casing
12:30	2.50	9.00	15:00	5	COND MUD & CIRC				Circulate with rig pump
15:00	4.50	13.50	19:30	12	RUN CASING & CEMENT				5 MSM rig up cementers & cement, Pump 15 bbls fresh water spacer + 24 bbl superbond, Lead with720 sks class H cement 10% gel + 6/10% SMS + 1/10% C-20 + 5#sk KOL seal + 1/4sk Cello Flake + 5%salt 11.3 # 2.93 yield, Tail w/ 310 sks class H 2% GEL + 5/10 % FL-17 + 2/10% SMS + 2/10 C-49 14.4# 1.22 yield, displace with 335 bbls fresh water + 2% KCL
19:30	4.50	18.00	00:00	14	NIPPLE UP B.O.P				Nipple down, set slips cut off casing, finish nipple down, remove rot head assembly
00:00	6.00	24.00	06:00	22	OPEN				Clean & jet pits (RELEASE RIG @ 6:00 AM 12-26-14)
Mud Checks									
Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa*s)	YP Calc (lbf/100ft²)			
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)			
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)			
Drilling Mud Volumes									
Action		To well (bbl)	From well (bbl)	Cum to Well (bbl)	Cum from Well (bbl)				
Drill Strings									
BHA #<stringno>, <des>									
Bit Run	Drill Bit	IADC Bit Dull			TFA (incl Noz) (in²)				
Nozzles (1/32")				String Length (ft)	String Wt (1000lbf)	BHA ROP (ft/hr)			
Drill String Components									
Item Des		Jts	OD (in)	ID (in)	Len (ft)	Top Thread			
Drilling Parameters									
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (...)	Int ROP (ft/hr)	Flow Rate (gpm)		
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...	PU Str Wt (1000...	SO Str Wt (1000...	Drilling Torque	Off Bottom Torque		
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...		
Interval Problems									
Problem Type	Problem Sub Type	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)			
Comment									

AFE Number 1500006210	AFE+Supp Amt (Cost) 1,800,638.00
Daily Field Est Total (Cost) 278,448.00	Cum To Date (Cost) 1,212,778.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 8,800.0	End Depth (ftKB) 8,800.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation	Target Depth (ftKB)
Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)
Time Log Total Hours (hr) 24.00	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

Safety Check Summary		
Type	Last Date	Next Date
Safety Meeting	12/23/2014	12/24/2014

Rigs		
Rig Name PRECISION 826		
Mud Pumps		
# 1 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

# 2 , Bomco , FA-1600		
Pump Rating (hp) 1,600.0	Rod Diameter (in)	Stroke (in) 12.01
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)
Rig Name NO WOR		

Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Rig Name BASIC 1743		
Mud Pumps		
# <Pump Number?>, <Make?>, <Mode		
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Slow Spd	Strokes (sp... Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed

Survey Data			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Last 5 Formations		
Formation Name	Prog Top MD (ftKB)	Drill Top MD (ftKB)

Last Casing String		
Casing Description Production	Run Date 12/24/2014	Set Depth...