

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3			Date:	8/22/2011		Report #	1	Planned TD	11,000
Spud Date:	8/23/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294		
Present Ops:	Drilling Surface Hole Section								Deviation Surveys	
Depth	187	Footage	147'	Consultant:	Jeremy Chappell				Depth	Angle
Mud Engineer	Steve Spiers			Mud Co:	Buckeye					
Type	MW	ECD	Vis	PV	YP	Gel-Initia	Gel-10 min	Cake		
Fresh Water	8.4		30							
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf		
CL	CA	LCM	Washout(% vol)		Hole Vo	Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt
1/11	75	80	3.679	160	528	2100		80	85	75
From	To	Hours	Activity for Previous 24 Hours							
1000am	330am	17.50	MIRU on University Andrews 8 #3							
330am	700am	3.50	Drill 12 1/4" Surface Hole From 40' - 187'							
TOTAL HOURS	21.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents or Incidents Reported							
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP
1	12 1/4	Hughes	GX4	S185994	6X14	40'	0	147	3.5	42
2										
3										
4										
5										
6										
7										
8										
Bit No. Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments	
BHA	Bit, shock sub, 8" drill collar, reamer, 8" drill collar								BHA Lngth	195.22
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume	
Drill Pipe (bottom)		4.5	16.6	X95	NC-46	0	0	416	1.7	bbls
Drill Pipe (middle)		0	0	0	0	0	0	0		
Drill Pipe (top)		0	0	0	0	0	0	0		
Assumed Pump Eff			Pump No. 1	95%	Pump No. 2		95%	Slow Pump Rate		
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure
Pump No. 1	pz9	6.5	9	3.679	110	405	600	0	0	0
Pump No. 2	pz9	6.5	9	3.679	110	405	600	0	0	0
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set	
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0
Surface										
Intermediate										
Production										
LOADS FRESH WATER HAULED:			6 LOADS BRINE WATER HAULED:							
VOLUME F WATER HAULED (bbls):			600 VOLUME B WATER HAULED (bbls):							
Expense Category			Vendor			Description			Cost	
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ 5,145	
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80	
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65	
RIG SUPERVISION			Jeremy Chappell Consulting			Day rate on site supervision			\$ 1,200	
DAMAGE SITE PREPERATION			University Lands			Damages			\$ 15,000	
BUILD ROADS, LOCATIONS, PITS			Butch's Rathole			40' conductor			\$ 4,500	
Daily Mud Cost:						Cumulative Mud Cost:		\$0		
Daily Well Cost:			\$25,990			Cumulative Well Cost:		\$25,990		
AFE Cost Estimate:						AFE \$ Remaining				

Cambrian Management Daily Drilling Report

[illegible]

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3			Date:	8/24/2011		Report #	3		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	NU BOP and Choke								Deviation Surveys		
Depth	1764	Footage		Consultant:	Jeremy Chappell				Depth	Angle	
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye				1704	0.50°	
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake			
Fresh Water	8.4		30								
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
CL	CA	LCM	Washout(% vol)		Hole Vol	Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
From	To	Hours	Activity for Previous 24 Hours								
700am	715am	0.50	Fluid Caliper , 1151 CU FT, 109% Wash Out, Avg, Hole Size 14.5"								
730am	745pm	0.25	Circulate								
745am	1245pm	5.00	TOH								
1245pm	115pm	0.50	RU Casing Crew and Hold PJSM								
115pm	715pm	6.00	Run 42 Joints 9 5/8" 36# J-55 To 1764'								
715pm	800pm	0.75	Rig Up Cementers and Hold PJSM								
800pm	930pm	1.50	Pump 20 bbl FW spacer, pump 635 sxs Lead class C cement w/ 4% gel 3% salt 1/8#/#/sk								
			Celloflake 13.5lb/gal & yield of 1.75, pump 200 sxs Class C Cement w/2% CaCl2 @ 6.5 BPM								
			Final Circulating Pressure 860 psi, Land Plug with 1320 psi, Float Held, 75 sxs to Surface								
930pm	1000pm	0.50	RD Cementers								
1000pm	200am	4.00	Cut Conductor and Install C-22 casing head (11" 3M 9 5/8" SOW W2) Test head								
200am	700am	5.00	NU BOP And Choke								
TOTAL HOURS		24.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents Or Incidents Reported								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP	
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3	
2	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	
Bit No. Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
BHA									BHA Lngth		
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume		
Drill Pipe (bottom)		0	0	0	0	0	0	0		bbls	
Drill Pipe (middle)		0	0	0	0	0	0	0			
Drill Pipe (top)		0	0	0	0	0	0	0			
Assumed Pump Eff		Pump No. 1			Pump No. 2			Slow Pump Rate			
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure	
Pump No. 1	pz9	6.5	9	3.679	110	405	1050	0	0	0	
Pump No. 2	pz9	6.5	9	3.679	110	405	1050	0	0	0	
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set		
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0	
Surface	0	0	0	0	0	0	0	0	1/0/00	0	
Intermediate	0	0	0	0	0	0	0	0	1/0/00	0	
Production	0	0	0	0	0	0	0	0	1/0/00	0	
LOADS FRESH WATER HAULED:				LOADS BRINE WATER HAULED:							
VOLUME F WATER HAULED (bbls):				VOLUME B WATER HAULED (bbls):							
Expense Category			Vendor			Description			Cost		
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ -		
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80		
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65		
RIG SUPERVISION			Ervin Wellsite Consulting			Day rate on site supervision			\$ 1,200		
CEMENTING SURFACE / INTERMEDI			O-Tex			Cement Surface Casing			\$ 27,484		
CASING			Cressman Tubular			9 5/8" 36# J-55 Surface Casing 1769.58			\$ 43,160		
CASING - FLOAT EQ			SK Supply			Float Equipment			\$ 2,197		
WELLHEAD EQUIPMENT			J&W Services & Equipment			Casing Head			\$ 1,518		

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3			Date:	8/25/2011		Report #	4		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	Drilling 7 7/8" Hole Section								Deviation Surveys		
Depth	3798'	Footage	2034	Consultant:	Jeremy Chappell					Depth	Angle
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye					2208	0.50°
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake	2736	0.50°	
Fresh Water	10		29						3003	0.75°	
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
					10						
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
1/20	40		45	3.679	110	405	1600	83	112	126	
From	To	Hours	Activity for Previous 24 Hours								
700am	930am	2.50	NU BOP And Choke								
930am	1230pm	3.00	TIH with 7 7/8" Bit								
1230pm	100pm	0.50	Drill Cement From 1725' - 1764'								
100pm	530pm	4.50	Drill 7 7/8" hole section from 1764' - 2255' (491' @ 109 FPH)								
530pm	545pm	0.25	Teledrift Survey @ 2208' = .5°								
545pm	900pm	3.25	Drill 7 7/8" hole section from 2255' - 2690' (435 @ 116 FPH)								
900pm	915pm	0.25	Rig Service								
915pm	1015pm	1.00	Drill 7 7/8" hole section from 2690' - 2783' (93' @ 93FPH)								
1015pm	1045pm	0.50	Teledrift Survey @ 2736' = .5°								
1045pm	445am	6.00	Drill 7 7/8" hole section from 2783' - 3313' (530' @ 88 FPH)								
445am	500am	0.25	Teledrift Survey @ 3003' = .75°								
500am	700am	2.00	Drill 7 7/8" hole section from 3313' - 3798' (485' @ 243 FPH)								
TOTAL HOURS		24.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents or Incidents Reported								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP	
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3	
2	7 7/8"	HTC	Q605FX	7136317	6X14	1764	0	2034	17.25	117.91	
3	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	
Bit No. Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
BHA	7 7/8" Bit, Motor, Teledrift, IBS, 6" Drill Collar,IBS								BHA Lngth	677.68	
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume		
Drill Pipe (bottom)		4.5	16.6	X95	NC-46	3120.32	3120.32	416		bbls	
Drill Pipe (middle)		0	0	0	0	0	0	0			
Drill Pipe (top)		0	0	0	0	0	0	0			
Assumed Pump Eff		Pump No. 1		95%	Pump No. 2		95%	Slow Pump Rate			
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure	
Pump No. 1	pz9	6.5	9	3.679	110	405	1600	1851	0	0	
Pump No. 2	pz9	6.5	9	3.679	110	405	1600	0	0	0	
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set		
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0	
Surface	42	1749.58'	9 5/8"	36	J55	0	STC	0	8/24/11	0	
Intermediate	0	0	0	0	0	0	0	0	1/0/00	0	
Production	0	0	0	0	0	0	0	0	1/0/00	0	
LOADS FRESH WATER HAULED:						LOADS BRINE WATER HAULED:					
VOLUME F WATER HAULED (bbls):						VOLUME B WATER HAULED (bbls):					
Expense Category			Vendor			Description			Cost		
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ 71,190		
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80		
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65		
RIG SUPERVISION			Jeremy Chappell Consulting			Day rate on site supervision			\$ 1,200		

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3				Date:	8/26/2011		Report #	5		Planned TD	11,000'	
Spud Date:	8/3/2011				Rig Name:	JW Rig 5		Rig Phone:	325-725-2294				
Present Ops:	Drilling 7 7/8" Hole Section									Deviation Surveys			
Depth	5744	Footage	1946	Consultant:	Jeremy Chappell						Depth	Angle	
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye						4517	1.0º	
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake					
Fresh Water	10		29										
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf					
					10								
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ			
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt			
1/20	40	45	3.679	110	405	1600	83	112	126	114			
From	To	Hours	Activity for Previous 24 Hours										
700am	915am	2.25	Drill 7 7/8" hole section from 3798' - 4100' (302 @ 134 FPH)										
915am	930am	0.25	Rig Service										
930am	300pm	5.50	Drill 7 7/8" hole section from 4100' - 4595' (495' @ 90 FPH)										
300pm	315pm	0.25	Teledrift Survey @ 4517' = 1 Degrees										
315pm	600pm	2.75	Drill 7 7/8" hole section from 4595' - 4751' (156' @ 57 FPH)										
600pm	630pm	0.50	Teledrift Survey @ 4751' = No Reading										
630pm	700am	12.50	Drill 7 7/8" hole section from 4751' - 5744' (993' @ 79 FPH)										

Cambrian Management Daily Drilling Report

[illegible]

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3				Date:	8/28/2011		Report #	7		Planned TD	11,000'	
Spud Date:	8/3/2011				Rig Name:	JW Rig 5		Rig Phone:	325-725-2294				
Present Ops:										Deviation Surveys			
Depth	8760	Footage	1406	Consultant:	Jeremy Chappell					Depth	Angle		
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye					7678'	1.25°		
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake	8085'	1.0°			
Brine	10		29						8519'	1.0°			
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf					
					10								
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ			
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt			
1/22	40	45	3.679	110	405	2000	83	190	195	186			
From	To	Hours	Activity for Previous 24 Hours										
700am	1130am	4.5	Drill 7 7/8" hole section from 7354' - 7661' (307' @ 68 FPH)										
1130am	1200pm	0.50	Wireline Survey @ 7678' = 1.25°										
1200pm	1215pm	0.25	Service Rig										
1215pm	645pm	6.50	Drill 7 7/8" hole section from 7661' - 8160' (499' @ 77 FPH)										
645pm	715pm	0.50	Wireline Survey @ 8085' = 1°										
715pm	130am	6.25	Drill 7 7/8" hole section from 8160' - 8566' (406' @ 65 FPH)										
130am	200am	0.50	Wireline Survey @ 8519' = 1°										
200am	700am	5.00	Drill 7 7/8" hole section from 8566' - 8760' (194' @ 39 FPH)										
TOTAL HOURS		24.00											
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents or Incidents Reported										
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP			
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3			
2	7 7/8"	HTC	Q605FX	7136317	6X14	1764	0	6996	85	82.3			
3	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	0			
Bit No.	Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments			
BHA	7 7/8" Bit, Motor, Teledrift, IBS, 6" Drill Collar,IBS								BHA Lngth	677.68			
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume				
Drill Pipe (bottom)		4.5	16.6	X95	NC-46	265	8082	416	118	bbls			
Drill Pipe (middle)		0	0	0	0	0	0	0					
Drill Pipe (top)		0	0	0	0	0	0	0					
Assumed Pump Eff		Pump No. 1		95%	Pump No. 2		95%	Slow Pump Rate					
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure			
Pump No. 1	pz9	6.5	9	3.679	110	405	2000	1851	0	0			
Pump No. 2	pz9	6.5	9	3.679	110	405	2000	0	0	0			
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set				
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0			
Surface	42	1749.58'	9 5/8"	36	J55	0	STC	0	8/24/11	0			
Intermediate	0	0	0	0	0	0	0	0	1/0/00	0			
Production	0	0	0	0	0	0	0	0	1/0/00	0			
LOADS FRESH WATER HAULED:						LOADS BRINE WATER HAULED:							
VOLUME F WATER HAULED (bbls):						VOLUME B WATER HAULED (bbls):							
Expense Category			Vendor			Description			Cost				
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ 49,210				
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80				
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65				
RIG SUPERVISION			Ervin Wellsite Consulting			Day rate on site supervision			\$ 1,200				

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3			Date:	8/29/2011		Report #	8		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	Drilling 7 7/8" Hole Section								Deviation Surveys		
Depth	9245	Footage	485	Consultant:	Jeremy Chappell					Depth	Angle
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye					8708	1.75°
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake	9005	1.0°	
Brine	10		29								
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
					10						
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
1/20	40	45	3.679	110	405	2050	83	188	198	177	
From	To	Hours	Activity for Previous 24 Hours								
700am	800am	1	Drill 7 7/8" Hole Section from 8760' - 8791' (31' @ 31 FPH)								
800am	130pm	5.50	TOH for Bit								
130pm	945pm	8.25	TIH With New Bit and Motor								
945pm	1000pm	0.25	Wash To Bottom								
1000pm	300am	5.00	Drill 7 7/8" Hole Section from 8791' - 9033' (242' @ 48 FPH)								
300am	315am	0.25	Teledrift Survey @ 9005' = 1 Degreee								
315am	700am	3.75	Drill 7 7/8" Hole Section from 9033' - 9245' (212' @ 57 FPH)								

Cambrian Management Daily Drilling Report

Well Name:	University Andrews 8 #3			Date:	8/30/2011		Report #	9		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	Drilling								Deviation Surveys		
Depth:	10178	Footage:	933	Consultant:	Jeremy Chappell				Depth	Angle	
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye				9247	0.50°	
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake	9447	0.50°	
Brine	10		29						9970	0.70°	
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
					10						
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
1/20	40	45	3.679	110	405	2100	83	205	215	195	
From	To	Hours	Activity for Previous 24 Hours								
700am	830am	1.50	Drill 7 7/8" Hole Section from 9245' - 9284' (39' @ 26 FPH)								
830am	845am	0.25	Teledrift Survey @ 9247' = .5°								
845am	300pm	6.25	Drill 7 7/8" Hole Section from 9284' - 9497' (213 @ 34 FPH)								
300pm	315pm	0.25	Teledrift Survey @ 9447' = .5°								
315pm	1130pm	8.25	Drill 7 7/8" Hole Section from 9497' - 9985' (488' @ 59 FPH)								
1130pm	1200am	0.50	Change Swab on #1 Pump								
1200am	100am	1.00	Drill 7 7/8" Hole Section from 9985' - 10003' (18' @ 18 FPH)								
100am	115am	0.25	Teledrift Survey @ 9970' = .75°								
115am	700am	5.75	Drill 7 7/8" Hole Section from 10003' - 10178' (175 @ 30 FPH)								
TOTAL HOURS		24.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents or Incidents Reported								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP	
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3	
2	7 7/8"	HTC	Q605FX	7136317	6X14	1764	8791	7027	86	81.71	
3	7 7/8"	HTC	Q506FX	7132136	6X13	8791	0	1387	31.5	44.03	
4	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	
Bit No. Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
2	6	7	7	inner			8	ROP			
BHA	7 7/8" Bit, Motor, Teledrift, IBS, 6" Drill Collar,IBS								BHA Lngth	677.22	
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume		
Drill Pipe (bottom)		4.5	16.6	X95	NC-46	281	8567.78	416	128	bbls	
Drill Pipe (middle)		0	0	0	0	0	0	0			
Drill Pipe (top)		0	0	0	0	0	0	0			
Assumed Pump Eff		Pump No. 1		95%	Pump No. 2		95%	Slow Pump Rate			
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure	
Pump No. 1	pz9	6.5	9	3.679	110	405	2100		0	0	
Pump No. 2	pz9	6.5	9	3.679	110	405	2100	0	0	0	
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set		
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0	
Surface	42	1749.58'	9 5/8"	36	J55	0	STC	0	8/24/11	0	
Intermediate	0	0	0	0	0	0	0	0	1/0/00	0	
Production	0	0	0	0	0	0	0	0	1/0/00	0	
LOADS FRESH WATER HAULED:						LOADS BRINE WATER HAULED:					
VOLUME F WATER HAULED (bbls):						VOLUME B WATER HAULED (bbls):					
Expense Category			Vendor			Description			Cost		
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ 32,655		
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80		
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65		
RIG SUPERVISION			Ervin Wellsite Consultants			Day rate on site supervision			\$ 1,200		
CASING & TUBING INSPECTIONS			Down Hole Inspection			Clean & Inspect 5 1/2" Casing			\$ 2,211		

Cambrian Management Daily Drilling Report

Well Name	University Andrews 8 #3			Date:	8/31/2011		Report #	10		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	Drilling @ 10552'								Deviation Surveys		
Depth	10552	Footage	374	Consultant:	Jeremy Chappell					Depth	Angle
Mud Engineer:	Steve Spiers			Mud Co:	Buckeye					10,445	0.75°
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake			
Brine	10		29								
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
					10						
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
								16 min	52 min	75 min	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
1/22	40	45	3.679	110	405	2100	83	207	217	198	
From	To	Hours	Activity for Previous 24 Hours								
700am	1200pm	5.00	TOH for Bit # 3								
1200pm	700pm	7.00	TIH with New 7 7/8" Bit								
700pm	715pm	0.25	Wash and Ream To Bottom								
715pm	100am	5.75	Drill 7 7/8" Hole Section from 10178' - 10388' (210' @ 37 FPH)								
100am	300am	2.00	Change Liner on # 1 Pump								
300am	500am	2.00	Drill 7 7/8" Hole Section from 10388' - 10473' (85' @ 43 FPH)								
500am	515am	0.25	Teledrift Survey @ 10445' = .75 Degree								
515am	700am	1.75	Drill 7 7/8" Hole Section from 10473' - 10552' (79' @ 45 FPH)								
TOTAL HOURS		24.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents or Incidents Reported								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP	
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3	
2	7 7/8"	HTC	Q605FX	7136317	6X14	1764	8791	7027	86	81.71	
3	7 7/8"	HTC	Q506FX	7132136	6X13	8791	10178	1387	31.5	44.03	
4	7 7/8"	HTC	Q506FX	7024757	6X13	10178	10552	374	9.5	39.36	
5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	
Bit No.	Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments	
2	6	7	7	inner				8 ROP			
3	7	7	7	inner				8 ROP			
BHA	7 7/8" Bit, Motor, Teledrift, IBS, 6" Drill Collar,IBS								BHA Lngth	677.22	
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume		
Drill Pipe (bottom)		4.5	16.6	X95	NC-46	281	9874.78	416	143	bbls	
Drill Pipe (middle)		0	0	0	0	0	0	0			
Drill Pipe (top)		0	0	0	0	0	0	0			
Assumed Pump Eff		Pump No. 1		95%	Pump No. 2		95%	Slow Pump Rate			
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure	
Pump No. 1	pz9	6.5	9	3.679	110	405	2000		0	0	
Pump No. 2	pz9	6.5	9	3.679	110	405	2000	0	0	0	
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set		
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0	
Surface	42	1749.58'	9 5/8"	36	J55	0	STC	0	8/24/11	0	
Intermediate	0	0	0	0	0	0	0	0	1/0/00	0	
Production	0	0	0	0	0	0	0	0	1/0/00	0	
LOADS FRESH WATER HAULED:					LOADS BRINE WATER HAULED:						
VOLUME F WATER HAULED (bbls):					VOLUME B WATER HAULED (bbls):						
Expense Category			Vendor			Description			Cost		
CONTRACT DRLG FOOTAGE			JW Drilling			Drilling Rig \$35/Ft			\$ 13,090		
OTHER RENTALS			Ameri Flush			Day rent Porta potty's & Trash trailer			\$ 80		
OTHER RENTALS			American Safety			Day rent H2S Equip.			\$ 65		
RIG SUPERVISION			Ervin Wellsite Consulting			Day rate on site supervision			\$ 1,200		

Cambrian Management Daily Drilling Report

Well Name:	University Andrews 8 #3			Date:	9/2/2011		Report #	12		Planned TD	11,000'
Spud Date:	8/3/2011			Rig Name:	JW Rig 5		Rig Phone:	325-725-2294			
Present Ops:	Rigging Down For Move to ULS Andrews 42 #1									Deviation Surveys	
Depth	10997'	Footage	445'	Consultant:	Jeremy Chappell					Depth	Angle
Mud Engineer	Steve Spiers			Mud Co:	Buckeye						
Type	MW	ECD	Vis	PV	YP	Gel-Initial	Gel-10 min	Cake			
Brine	10		29								
WL	Solids	% Oil	% Water	Mud Losses	pH	Pm	Pf	Mf			
					10						
CL	CA	LCM	Washout(% vol)			Pit Vol	Stored Vol	Min To Bit	Btms Up	Full Circ	
								16 min	52 min	75 min	
WOB Mn/Mx	RPM Mn/Mx		GPS	SPM	GPM	Pressure	DC wt/mud	Rot wt	PU wt	SO wt	
From	To	Hours	Activity for Previous 24 Hours								
700am	800am	1.00	LD DP								
800am	830am	0.50	RU Csg Crew & PJSM								
830am	400pm	7.50	Run 5 1/2" 17# N-80 Casing (Float Shoe, 1 Jt, Float Collar, 261 Jts)								
			Centralizer Every 3rd Jt To 8167', Set Depth 10997'								
400pm	430pm	0.50	RD Csg Crew								
430pm	500pm	0.50	PJSM & RU Cement Crew								
500pm	715pm	2.25	Wait on OTEX to Repair Communication Equipment								
715pm	1000pm	2.75	Pump 20 BBL Fresh Water, 200 BBL Nitrified Mud, 20 Fresh Water, 240SX Class C Lead								
			Cement 30#/sk CSE2+3#/sk KOLSEAL+ 1/4#/SK CELLOFLAKE+3.75% SMS, 650 SX Class H								
			Tail Cement 7/10% C-47, Drop Plug, Dissplace with Acetic Acid 84 BBL of 254 BBL,								
			Pressure went from 164psi to 3500psi, Begin Reciprocating Pipe, Pressure Remained 4000psi,								
			Bleed Off Pressure, Attempt to Pump Again Pressured up to 4500 psi, Attempt to Reciprocate								
			Pipe Pulled 75k Over String Weight, Pressure Remained 4500psi, Work Pipe Attempting To Get								
			Pumps Back, Bleed off Pressure, Slack off to Nuetral String Weight and Attempt to Pump,								
			Pressured Up to 4560 psi, Bleed Off Pressure and Shut down								
1000pm	1030pm	0.50	RD Cementers								
1030pm	130am	3.00	ND BOP								
130am	300am	1.50	Cut Casing, Set Slips, Install Tubing Head, Release Rig @ 3:00am								
300am	700am	4.00	RD for Move								
TOTAL HOURS		24.00									
Accident/Safety Info: (record name of any individual involved in an incident + details)			No Accidents Or Injuries Reported								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	ROP	
1	12.25	Hughes	GX4	S185994	6X14	40'	1764	1724	26	66.3	
2	7 7/8"	HTC	Q605FX	7136317	6X14	1764	8791	7027	86	81.71	
3	7 7/8"	HTC	Q506FX	7132136	6X13	8791	10178	1387	31.5	44.03	
4	7 7/8"	HTC	Q506FX	7024757	6X13	10178	10997	819	19.25	42.54	
5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	
Bit No. Grading	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
4	7	8	7 inner				8 TD				
BHA									BHA Lngth		
		Size	Wt.	Grade	Conn.	Jts	Length	Jts/Loc	String Volume		
Drill Pipe (bottom)		0	0	0	0	0	0	0		bbls	
Drill Pipe (middle)		0	0	0	0	0	0	0			
Drill Pipe (top)		0	0	0	0	0	0	0			
Assumed Pump Eff			Pump No. 1		Pump No. 2				Slow Pump Rate		
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Pressure	Depth	SPM	Pressure	
Pump No. 1		pz9	6.5	9	3.679	110	405	2000	0	0	
Pump No. 2		pz9	6.5	9	3.679	110	405	2000	0	0	
	# of Jts	Length (ft)	OD	Weight	Grade	Joint	Thread	Class	Date Set		
Conductor	1	40'	16"	0	0	0	0	0	8/21/11	0	
Surface	42	1749.58'	9 5/8"	36	J55	0	STC	0	8/24/11	0	
Intermediate										0	
Production	262	11002	5 1/2"	17	N-80	0	LTC	0	9/2/11	0	
LOADS FRESH WATER HAULED:					LOADS BRINE WATER HAULED:						
VOLUME F WATER HAULED (bbls)					VOLUME B WATER HAULED (bbls):						
Expense Category			Vendor			Description			Cost		
RIG SUPERVISION			Ervin Wellsite Consulting			Day rate on site supervision			\$ 1,200		
CONTRACT DRLG DAY WORK			JW Drilling			Day rate drilling			\$ 17,000		
OTHER RENTALS			Ameri Flush			Day rent porta potty's & trash trailer			\$ 80		
ENVIRONMENTAL & SAFETY			American Safety			Day rent H2S Equipment			\$ 65		
CASING CREW & TOOLS			Permian Power Tong			Casing Crew			\$ 6,200		
CEMENTING			Otex			Cement 5 1/2" Casing			\$ 51,863		
CASING			Cressman			5 1/2" Casing \$14.60/FT			\$ 160,629		
CASING CREW & TOOLS			Permian Power Tong			Lay Down Machine			\$ 6,275		
CEMENTING			Pro Petro			Nitrogen Pumping Unit			\$ 4,500		

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 6, 2012 Page 1 of 5

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Original Completion

Sep 29, 2011 Thursday (Day 1)

AOL at the University Andrews 8 #5. Moved 2 3/8" tubing off of pipe racks to the edge of location on sills. Total 334 jts. Moved rig to University Andrews 8 #3. Prepared to RU, spot rig mats & RU pulling unit. ND WH. NU BOP. Prepared to run 2 7/8" work string. Spot & set pipe racks. Unload 355 jts of 2 7/8" tubing & put on pipe racks. Move in & set reverse equipment up. Move & set frac tank in. RU reverse unit. Prepare to pick up tubing & drill collars. Tally 110 jts 2 7/8" tubing, measure & caliper 6 drill collars. PU 4 3/4" bit, bit sub, 6 drill collars & cross over. RIH w/ 109 jts & tag @ 3,685'. Prepare to drill. NU BIW stripper. Close well in. SDFD.

Daily Cost: \$15,030

Cum. Cost: \$755,802

Sep 30, 2011 Friday (Day 2)

AOL. TIH w/ 2 jts and tag. PU swivel & prepare to drill. Break circulation, pump 2 1/2 bbls per min. Start drilling at 3,680', drill 20' cement, start drilling rubber from wiper plug. Drill up plug. Continue to drill. Drill cement from 3,700' to 3,860'. Circulate hole clean, LD swivel. Pull 2 jts. SWI & SDF weekend.

Daily Cost: \$7,800

Cum. Cost: \$763,602

Oct 3, 2011 Monday (Day 3)

AOL. Open & check well. RIH w/ 2 jts. PU power swivel. Break circ & start drill. Drill cement from 3860' to 4122'. Circ hole clean. Stand swivel back. TOH w/ 2 3/8" work string to change bit. Stand back drill collars. PU 4 3/4" blade bit. RIH w/ DCs and 2 3/8" work string to 4088'. SWI & SDFD.

Daily Cost: \$8,530

Cum. Cost: \$772,132

Oct 4, 2011 Tuesday (Day 4)

AOL. Open & check well. No pressure. Pick up 1 jt w/ power swivel. NU BIW stripper. Break circ & start drilling. Drill from 4122' to 4346'. Circ hole clean. Total cmt drilled for day 224'. Stand swivel back. ND BIW stripper. Start TOH w/ 2 7/8" work string to change bit. Pulled 80 jts. SWI & SDFD.

Daily Cost: \$8,520

Cum. Cost: \$780,652

Oct 5, 2011 Wednesday (Day 5)

AOL. Open & check well. Continue to TOH w/ 2 7/8" work string. Change out bits, start run in hole w/ 4 3/4" bearclaw bit, bit sub, 6- 3 1/8" drill collars, cross over & 2 7/8" work string. NU BIW stripper. PU power swivel, break circulation pumping down tubing @ 3 1/2 bbls per min. Drilling from 4346' to 4480'. Making 40-50 fph. Circulate hole clean, stand back swivel and pull 2 jts. SWI & SDFD.

Daily Cost: \$9,570

Cum. Cost: \$790,222

Oct 6, 2011 Thursday (Day 6)

AOL. Open & check well. RIH w/ 2 jts. PU power swivel. Break circ pumping down tubing at 3 1/2 bbls per min. Start drilling from 4480' to 4824'; circ hole clean. Stand swivel back, pull 2 jts. SWI & SDFD. Total cmt drilled 344' / 11 hrs.

Daily Cost: \$8,585

Cum. Cost: \$798,807

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 6, 2012 Page 2 of 5

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Oct 7, 2011 Friday (Day 7)

AOL. Open & check well. RIH w/ 2 jts. PU swivel. Break circ pumping down tubing 3 1/2 bbls per min. Tag & start drilling from 4,824'. Drill to 5144'. Circ hole clean. Stand swivel back. Pull 2 jts. SWI & SD. Total cement drilled 320', 10 bit hours for day.

Daily Cost: \$9,785

Cum. Cost: \$808,592

Oct 8, 2011 Saturday (Day 8)

AOL. Open & check well. RIH w/ 2 jts, PU swivel, break circulation. Pumping 3 1/2 bbls per min. Start drilling at 5144'. Drill to 5499'. Circulate hole clean, stand swivel back, pull 2 jts. SWI & SDFD. Total cement drilled for day, 355'. Total bit hours for day 11. Will begin working 24 hours today.

Daily Cost: \$10,885

Cum. Cost: \$819,477

Oct 11, 2011 Tuesday (Day 9)

AOL. Open & check well. RIH w/ 2 jts. PU swivel. Break circulation. Pumping down tbg at 3 1/2 bbls per min. Start drilling at 5499' to 5515'. Penetration was 4 1/2 min per ft. Circ hole clean. Stand back swivel. Start TOH to check bit. Pull out of hole w/ 167 jt. Stand back 6 drill collars. Break off bit. PU new 4 3/4" bearclaw. Run back in hole. NU BIW Stripper. PU swivel. Break circ going reverse. Start drilling at 5515' to 5591'. Crew change at 7:00 pm. Continue drilling from 5591' to 5721'. Had to change out power swivel. Back to drilling at 7:00 am. Total cement drilled 222'. Average about 1 1/2 hours per jt. Drilling hours on bit, 8 hours.

Daily Cost: \$19,285

Cum. Cost: \$838,762

Oct 12, 2011 Wednesday (Day 10)

7:00 am Change crews. Cont. drilling. Drill from 5721' to 5913'. At 6:00 pm the penetration rate was 1 1/2 hrs. every 30'. Pumping reverse 2 1/2 bbls per min. Cont. drilling. Drill from 5913' to 6132'. Total ft drilled in a 24 hrs is 411' ft. Hrs on bit 22 hrs. 7:00 am crew change.

Daily Cost: \$15,305

Cum. Cost: \$854,067

Oct 13, 2011 Thursday (Day 11)

7:00 am Continued drilling from 6132'. Circ reverse at 3 bbls/min. Drill to 6294'. 7:00 pm Crew change. Cont. to drill from 6294' pumping reverse at 3 bbls/min. Drill to 6582'. Total cement drilled 24 hrs 450'. Average penetration per jt 1 1/2 hr. Total bit hrs for day 22hrs.

Daily Cost: \$16,285

Cum. Cost: \$870,352

Oct 14, 2011 Friday (Day 12)

7:00 am to 7:00 pm Continue to drill from 6582' to 6838'. Break Tour and change @ 7:00 pm. 7:00 pm to 7:00 am Drill from 6838' to 7092'. Average penetration per jt is 1 1/2 hr. Pumping reverse @ 3 BPM. Total drilled in 24 hr is 510'. Total hrs on bit was 22 hrs.

Daily Cost: \$16,285

Cum. Cost: \$886,637

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 6, 2012 Page 3 of 5

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Oct 15, 2011 Saturday (Day 13)

7:00 am to 7:00 pm Continue drilling from 7092' to 7347'. Break tour and change crews.

7:00 pm to 7:00am Continue to drill. Drill from 7347' to 7604'. Total cement drilled in 24 hrs is 512'. Average Penetration per jt is 1 1/2 hrs. Total bit hours is 22.

Daily Cost: \$16,285

Cum. Cost: \$902,922

Oct 16, 2011 Sunday (Day 14)

7:00 am to 7:00 pm Continue drilling from 7604' to 8146'. Starting penetration rate was 1 1/2 hrs per jt. from 7604' to 7831'. Penetration rate changed 30 min per jt, from 7831' to 8146'.

7:00 pm to 7:00 am. Crew change. Continue to drill from 8146' to 8338'. Total cement drilled for 24 hr was 734' ft. Bit hrs 22. Penetration rate changed back to 1 1/2 hr per jt.

Daily Cost: \$17,285

Cum. Cost: \$920,207

Oct 17, 2011 Monday (Day 15)

7:00 am to 7:00 pm Continue drilling from 8338' to 8563'. Penetration rate 1 1/2 hr per jt.

7:00 pm to 7:00 am Continue to drill. Drilling from 8563' to 8782'. Hrs on bit 22, drilling rate 1 1/2 per jt. Total cement drilled in 24 hr was 444'.

Daily Cost: \$17,385

Cum. Cost: \$937,592

Oct 18, 2011 Tuesday (Day 16)

7:00 am to 7:00 pm. Continue drilling from 8782' to 9006'. Circ reverse at 3 bbls per min. Average drill rate per jt is 1 1/2 hr.

7:00 pm to 7:00 am. Change crews & continue drilling. Drill from 9006' to 9328', drill rate changed to 1:10 min per jt. Total cement drilled for 24 hr was 546'.

Daily Cost: \$16,285

Cum. Cost: \$953,877

Oct 19, 2011 Wednesday (Day 17)

7:00 am to 7:00 pm. Continue to drill. Drill from 9328' to 10,058'. Had spots of hard cement & spots of soft cement.

7:00 pm to 7:00 am. Continue to drill. Drill from 10,058' to 10,475'. Cement started getting hard. Total cement drilled for 24 hr was 1147'. Bit hrs is 22.

Daily Cost: \$17,285

Cum. Cost: \$971,162

Oct 20, 2011 Thursday (Day 18)

7:00 am Continue Drilling from 10,475' to 10,907'. Circulate hole clean with fresh water. Lay swivel down. Start TOH w/ 2 7/8" work string. Pull 30 jts. SWI & SDFN.

Daily Cost: \$13,335

Cum. Cost: \$984,497

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 6, 2012 Page 4 of 5

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Oct 21, 2011 Friday (Day 19)

AOL, Open & check well. Cont. to trip out of hole with tubing. Pull total of 335 jts 2 7/8 tubing. Prepare to wireline. Stand by for wireline truck to arrive on location. Clean & jet out pits. Wireline tied up on another job. Set wireline up to do bond log on Monday am. Close well in. Shut down for day.

Daily Cost: \$11,085

Cum. Cost: \$995,582

Oct 24, 2011 Monday (Day 20)

AOL. Open & check well. RU WSI Wireline truck to run logs. Ran CR/CBL/CNL/CCL. Finished logging @ 2:30 pm. RD WSI Wireline. SWI and SDFD.

Daily Cost: \$20,685

Cum. Cost: \$1,016,267

Oct 25, 2011 Tuesday (Day 21)

AOL. Open & check well. RIH w/ 335 jts 2 7/8" tbg. Start out of hole laying down 2 7/8" work string. LD 335 jts. Operations suspended to evaluate logs. RD pulling unit. SWI. Prepare to road rig to yard.

Daily Cost: \$8,485

Cum. Cost: \$1,024,752

Dec 7, 2011 Wednesday (Day 22)

Nine stage fracture completed by Trican, supervised by Larrez Green. Total bbls left to recover - 21,606 bbl.

Stage 1 Perf - 10,365' - 10,529'.

Stage 2 Perf - 10,144' - 10,266'

Plug @ 10,312'

Stage 3 Perf - 9,666' - 9,846'

Plug @ 10,092'

Stage 4 Perf - 9,432' - 9,586'

Plug @ 9,615'

Stage 5 Perf - 9,091' - 9,348'

Plug @ 9,386'

Stage 6 Perf - 8,638' - 8,991'

Plug @ 9,042'

Stage 7 Perf - 8,087' - 8,302'

Plug @ 8,590'

Stage 8 Perf - 7,859' - 8,020'

Plug @ 8,050'

Stage 9 Perf - 7,539' - 7,786'

Plug @ 7,810'

Safety Plug @7,480'

Daily Cost: \$558,177

Cum. Cost: \$1,582,929

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 6, 2012 Page 5 of 5

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Dec 8, 2011 Thursday (Day 23)

MI reverse unit, pipe racks, cat walk & rig mat and set up. Call Weaver Construction to have loader on location in the AM to push mud off and clean location and 184 jts of 2 3/8" tbg was moved from the University Andrews 8 #1 to the University Andrews 8 #3. Will have rig and remainder of tubing on location in the AM.

Daily Cost: \$8,000

Cum. Cost: \$1,590,929

Dec 9, 2011 Friday (Day 24)

Weaver Construction arrived on location w/ loader. Cleaned mud off and assisted w/ moving in of rig and flowback tanks. Wellhead Works arrived on location to ND frac stack and NU wellhead. Moved 92 jts of 2 3/8" tbg was moved from the University Andrews 42 #1 to the University Andrews 8 #3 and rack. Also rack 2300' delivered from DGM. MIRU service unit. NU BOP, flowback & tally tubing. PU mill and RIH w/ tubing to 7,147'. SWI & SDFD @ 6:00 pm. Will tag up and begin drill out in the AM.

Daily Cost: \$17,000

Cum. Cost: \$1,607,929

Dec 10, 2011 Saturday (Day 25)

AOL @ 7:30 am. Continue to PU tbg and tag plug #1. RU swivel, PU string float, NU stripper head and begin drill out. Drill out plug #1 w/ well flowing 3.5 bpm @ 700 psi on 35/64. Strong H2S Present. Drill out #2 w/ well flowing 6 bpm @ 620 psi on 35/64. Blew out BIW rubber; shut BOP & change rubber. Drill out #3 w/ well flowing 6 bpm @ 750 psi on 35/64. Blew another BIW rubber, changed out and circulate. POOH to 7,471' and turn over to flowback. Pull down to 2 bpm @ 900 psi on 14/64. SDFD @ 6:00 pm.

Daily Cost: \$20,650

Cum. Cost: \$1,628,579

Dec 11, 2011 Sunday (Day 26)

AOL @ 7:30 am. Well flowing 2 bpm @ 825 psi on 15/64. RIH w/ tbg and continue drill out. Drill out #4 w/ well flowing 2 bpm @ 700 psi on 23/64. Drill out #6 w/ well flowing 2 bpm @ 700 psi on 23/64. Drill out #7 w/ well flowing 2 bpm @ 700 psi on 23/64. Run to #8 and circulate clean. POOH to 7,471' and turn over to flow back. Will finish drill out in AM. SDFD @ 6:00 pm.

Daily Cost: \$18,100

Cum. Cost: \$1,646,679

Dec 12, 2011 Monday (Day 27)

AOL @ 7:30 am. Well flowing 0.5 bpm @ 850 psi on 6/64. Ran out of room and trucks not running due to fog conditions. RIH w/ tbg to plug #8 and resume drill out. Drill out #8 and #9 w/ well flowing 2 bpm @ 700 psi on 12/64. RIH to 10,594' and circulate clean. RD swivel and POOH & LD to 7,471'. Flange up on BOP, pump 30 bbls brine down tbg. Pull string float and NU master valve. RU on tbg and turn over to flowback. Release rig, reverse unit and will move off in the am. SDFD @ 8:00 pm

Daily Cost: \$18,100

Cum. Cost: \$1,664,779

Jan 5, 2012 Thursday (Day 28)

PJSM. MI & Spot rig. Set cement base (Sentry 466D pumping unit). Set in 120" stroke length w/ 50 HP motor. SDFN.

Daily Cost: \$850

Cum. Cost: \$1,665,629

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 15, 2012 Page 1 of 2

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

CONTINUED: Original Completion

Jan 10, 2012 Tuesday (Day 31)

PJSM. Opened well had TP @ 150 psi & CP @ 50 psi. Opened up well to frac tank and bled well (2.5 hours) down. RIH w/ 89 jts of 2 3/8" L80 tbg & BHA. ND BOP & Set BHA as follows:

238 jts of 2 3/8" L80 tbg @ 7,389'
5 1/2"x2 3/8" TAC @ 7391.38'
1 jt of 2 3/8" L80 tbg @ 7,423'
2 3/8" Enduralloy (blast joint) @ 7,456.38'
2 3/8" SN @ 7,457.48'
MA w/ BP @ 7,490'

Set TAC w/ 16 pts. Flanged up wellhead. SWI & SDFN.

Daily Cost: \$3,635

Cum. Cost: \$1,680,609

Jan 11, 2012 Wednesday (Day 32)

PJSM. Opened well up and bled off pressure. PU & RIH w/

1.25" x 22 polished rod w/ 18' x 1 1/2" polished rod liner
8' x 0.875, 4'x.0875 subs
88-0.875 (Norris 97) rods
197-.75 (Norris 97) rods
10-1.625 sinker bars
4' x .75 stabilizer
20-150-RXBC-20-3 pump

Roustabouts built wellhead connections & tied well to frac tank. Electricians wired pumping unit electric motor, electrical panel & wiring to service pole. SDFN.

Daily Cost: \$47,453

Cum. Cost: \$1,728,062

Jan 12, 2012 Thursday (Day 33)

PJSM. SD waiting on electricians to finish running electrical service for unit. Hung well on attempted to space out pump. Found pump tagging on the up and down stroke. Pump company delivered the wrong size. Checked amps on pumping unit and found unit to be weight heavy. Pulling 95 amps on the weights and 34 amps on the rods. POOH & ran the correct pump (20-150-RXBC-20-3). Max stroke 183". Nolan Brunson balanced the unit and left pulling 59 amps on weights and 50 amps on the rods. SD unit & SWI/SDFN.

Daily Cost: \$43,141

Cum. Cost: \$1,771,203

Cambrian/XOG
DAILY OPERATIONS REPORT
University Andrews 8 # 3

Printed Jan 15, 2012 Page 2 of 2

University Andrews 8 # 3

Andrew s Co., TX

XOG#:

Zone: 1 Field:

Jan 13, 2012 Friday (Day 34)

PJSM. RD PU. Opened well to test tank and turned unit on. Called and gave info to pumper. Moved Rig to next location.

-----FINAL REPORT-----

Daily Cost: \$687

Cum. Cost: \$1,771,890