

[illegible]

[illegible]

Well Name		UniversityRoxanne #4		Date:		6/24/2011		Report #		3		Deviation Surveys	
Cont/Rig		UNITED DRILLING RIG #43		Op at RT		NIPPLE UP BOP, ANNULAR & CHOKE MANIFOLD						Depth	Angle
Depth	1,850	Last 24 hrs	0	Foreman:		JEFF GIBBS						See below	
Mud WT.	Vis	PV	YP	Gels	API WL	pH	Solids	Chlorides					
Mud Material Mixed													
Cum Gel Mixed (tons)													
WOB Mn/Mx	RPM		GPS	SPM	GPM	Press	DC wt/mud	Rotating wt.	PU wt.	SO wt.			
From	To	Hours	Activity for Previous 24 Hours										
7:00 AM	10:00 AM	3.00	TOOH TO RUN 9-5/8" CASING										
10:00 AM	10:30 AM	0.50	RIG SERVICE. GREASE & LUBE										
10:30 AM	3:00 PM	4.50	RU CASING CREW & HELD SAFETY MTG										
			MAKE UP SHOE & FLOAT COLLAR. RUN 9-5/8" CASING. TEST SHOE & FLOAT COLLAR										
			CENTRALIZER EVERY 3JTS & FILL UP CASING										
3:00 PM	4:15 PM	1.25	RUN 9-5/8" CASING. RIG DOWN CASING CREW.										
4:15 PM	5:15 PM	1.00	CIRCULATE & RIG UP OTEX CEMENTERS										
5:15 PM	7:15 PM	2.00	PUMP CEMENT. PLUG DOWN @ 6:45 P.M. (TEXAS TIME). RIG DOWN CEMENTERS										
7:15 PM	10:00 PM	2.75	WOC. JET OUT STEEL PIPE										
10:00 PM	11:00 PM	1.00	CUT OFF CONDUCTOR PIPE & WELD HEAD ON										
11:00 PM	2:00 AM	3.00	WELD WELLHEAD										
2:00 AM	7:00 AM	5.00	START NIPPLE UP BOP, ANNULAR & CHOKE MANIFOLD										
			(Casing & cement details to be on Monday's reports)										
			Tool pusher : Miguel Madrid (575) 910-3078										
TOTAL HOURS		24.00											
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	PR			
1	12-1/4	FFF	Milltooth		3-15	40		1810	32.50	55.60			
Bit No. Grad	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments				
BHA	12-1/4" Bit (1.00), 1 8" BHC (28.56), 1 8" DC (30.51), 1 XO, (1.00), 15 6" DCs (473.50)								BHALngth	534.57			
		Size	Wt.	Grade	Conn.	Jts	Length	Jts / Loc	String Volume				
Drill Pipe (bottom)									bbls.				
Drill Pipe (middle)													
Drill Pipe (top)													
Assumed Pump Eff.		Pump No. 1		Pump No. 2		Slow Pump R/P							
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Press	Depth	SPM	Pressure			
Pump No. 1													
Pump No. 2													
T/Pusher					Size	Wt/Grade	Set @	Date Set	Formation				
RigPhone					Conductor				Last Smpl				
Spud D/T					Surf. Csg.				Bg Gas				
Rig Rel. D/T					Int. Csg.				Cxn Gas				
Accident/Safety Information:				Prod. Csg.					Trip Gas				
NO ACCIDENTS													

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Well Name	UniversityRoxanne #4			Date:	7/4/2011	Report #	13		Deviation
Cont/Rig	UNITED DRILLING RIG #43			Op at RT	WAIT ON FISHING CREW				Depth
Depth	8,900	Last 24 hrs	397	Foreman:					8738
Mud WT.	Vis	PV	YP	Gels	API WL	pH	Solids	Chlorides	
10	30					10			
Mud Material Mixed		8 sx Paper, 11 sx Lime, 16 gals 202, 20 gals 9390, 5 gals 120							
Cum Gel Mixed (tons)									
WOB Mn/Mx	RPM		GPS	SPM	GPM	Press	DC wt/mud	Rotating wt.	PU wt.
20	65			129		1150			
From	To	Hours	Activity for Previous 24 Hours						
7:00 AM	6:00 PM	11.00	DRLD 8503-8788'						
6:00 PM	6:30 PM	0.50	WLS @ 8738' - .50 DEGREE. RIG SERVICE						
6:30 PM	12:00 AM	5.50	DRLD 8788-8900'						
12:00 AM	5:00 AM	5.00	CIRCULATE 15 MINS & TOOH						
5:00 AM	7:00 AM	2.00	RUN DRLG LINE 150' & ADJUST WATER BRAKE.						
7:00 AM			WAITING ON FISHING CREW						
TOTAL HOURS	24.00								
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs
1	12-1/4	FFF	Milltooth		3-15	40	1850	1810	32.50
2	8-3/4"	Security	FX75	1120523	6-14	1850	6137	4287	108.50
3	8-3/4"	Security	FX76	11665137	6-14	6,137	7496	1359	41.75
4	8-3/4"	Hughes	Q506FX	7129569	6-14	7,496		1404	46.75
Bit No. Gradit	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments
BHA	8-3/4" Bit (1.00), 1 BHC (30.53), 1 Teledrift (10.12), 15 6" DCs (473.50)								BHALnght
	Size	Wt.	Grade	Conn.	Jts	Length	Jts / Loc	String V	
Drill Pipe (bottom)									
Assumed Pump Eff.		Pump No. 1			Pump No. 2			Slow Pump R/V	
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Press	Depth	SPM
Pump No. 1									
Pump No. 2									
T/Pusher				Size	Wt/Grade	Set @	Date Set	Formation	
RigPhone				Conductor				Last Smpl	
Spud D/T				Surf. Csg.				Bg Gas	
Rig Rel. D/T				Int. Csg.				Cxsn Gas	
Accident/Safety Information:				Prod. Csg.				Trip Gas	
NO ACCIDENTS									
Loads F Water Hauled		Loads BW Hauled					0		
Daily Mud Cost:				Cumulative Mud Cost:					
Pre-Drill & Daily Well Cost				Cumulative Well Cost:			Correct		

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Well Name	UniversityRoxanne #4			Date:		7/10/2011		Report #	19	Deviation Surveys	
Cont/Rig	UNITED DRILLING RIG #43			Op at RT		DRILLING				Depth	Angle
Depth	10,238	Last 24 hrs	329	Foreman:	PERFECTO CAUDILLO				10207	0.50	
Mud WT.	Vis	PV	YP	Gels	API WL	pH	Solids	Chlorides			
10	32					9					
Mud Material Mixed		3 sx Paper, 20 gals 9390, 19 gals 202, 5 gals 120, 2 sx Lime									
Cum Gel Mixed (tons)											
WOB Mn/Mx	RPM		GPS	SPM	GPM	Press	DC wt/mud	Rotating wt.	PU wt.	SO wt.	
20	65			129	1250						
From	To	Hours	Activity for Previous 24 Hours								
7:00 AM	8:15 AM	1.25	DRLD 9900-09'								
8:15 AM	12:45 PM	4.50	TOOH FOR BIT								
12:45 PM	1:15 PM	0.50	RIG SERVICE								
1:15 PM	7:00 PM	5.75	TIH. FILL UP 15 STANDS ON TOP OF DCS & 50 STANDS AFTER THAT. FILL UP 10 STANDS								
			BEFORE BTM. PICK UP KELLY & BREAK CIRC.								
7:00 PM	9:00 PM	2.00	WASH DOWN 90'								
9:00 PM	6:15 AM	9.25	DRLD 9909-10,207'								
6:15 AM	6:30 AM	0.50	WLS @ 10,207' - .50 DEGREE								
6:30 AM	7:00 AM	0.50	DRLD 10,207-238'								
7:00 AM											

[illegible]

Well Name	UniversityRoxanne #4			Date:	7/12/2011		Report #	20		Deviation Surveys	
Cont/Rig	UNITED DRILLING RIG #43			Op at RT	RUNNING 5-1/2 CASING					Depth	Angle
Depth	11,211	Last 24 hrs	11	Foreman:	PERFECTO CAUDILLO					11161	1.00
Mud WT.	Vis	PV	YP	Gels	API WL	pH	Solids	Chlorides			
10	30					9					
Mud Material Mixed											
Cum Gel Mixed (tons)											
WOB Mn/Mx	RPM		GPS	SPM	GPM	Press	DC wt/mud	Rotating wt.	PU wt.	SO wt.	
20	65			126	1400						
From	To	Hours	Activity for Previous 24 Hours								
7:00 AM	8:15 AM	1.25	DRLD 11,200-211'								
8:15 AM	1:00 PM	4.75	CIRCULATE & RIG SERVICE. HELD SAFETY MTG								
1:00 PM	2:00 PM	1.00	RU LD MACHINE. BREAK KELLY, SAVER SUBS. WLS @ 11,161' - 1.0 DEGREES								
2:00 PM	7:00 PM	5.00	START LD DRILL STRING								
7:00 PM	10:00 PM	3.00	FINISH LD DRILL STRING								
10:00 PM	12:30 PM	2.50	RU CASING CREW. BREAK KELLY OFF. HELD SAFETY MTG								
12:30 PM	7:00 AM	6.50	RUN 5-1/2" 17# L80 CASING								
7:00 AM											
			NOTE: HAD RUN 90 JTS BY 7:00 A.M.								
			SM ON LDDP & DC								
			SM ON RUNNING 5-1/2" CASING								
TOTAL HOURS		24.00									
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	PR	
1	12-1/4	FFF	Milltooth		3-15	40	1850	1810	32.50	55.60	
2	8-3/4"	Security	FX75	1120523	6-14	1850	6137	4287	108.50	39.50	
3	8-3/4"	Security	FX76	11665137	6-14	6,137	7496	1359	41.75	32.55	
4	8-3/4"	Hughes	Q506FX	7129569	6-14	7,496	8900	1404	46.75	30.00	
5	7-7/8"	Hughes	Q506FX	7131925	6-14	8,900	9546	646	20.00	32.30	
6	7-7/8"	Hughes	Q506FX	7025680	6-14	9,546	9909	354	18.50	19.10	
7	7-7/8"	Hughes	t8150762	7129969	6-14	9,909		1302	34.50	37.70	
Bit No. Grad	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
BHA	7-7/8" Bit (1.00), 1 BHC (30.53), 1 Teledrift (10.12), 15 6" DCs (473.50)								BHALngth	515.15	
		Size	Wt.	Grade	Conn.	Jts	Length	Jts / Loc	String Volume		
Drill Pipe (bottom)										bbls.	
Assumed Pump Eff.		Pump No. 1			Pump No. 2			Slow Pump R/P			
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Press	Depth	SPM	Pressure	
Pump No. 1											
Pump No. 2											
Ti/Pusher					Size	Wt/Grade	Set @	Date Set	Formation		
RigPhone				Conductor					Last Smpl		
Spud D/T				Surf. Csg.					Bg Gas		
Rig Rel. D/T				Int. Csg.					Cxn Gas		
Accident/Safety Information:				Prod. Csg.					Trip Gas		
NO ACCIDENTS											

Well Name	UniversityRoxanne #4			Date:	7/13/2011		Report #	21		Deviation Surveys	
Cont/Rig	UNITED DRILLING RIG #43			Op at RT	RIG DOWN MOVE OUT					Depth	Angle
Depth	11,211	Last 24 hrs	0	Foreman:	PERFECTO CAUDILLO						
Mud WT.	Vis	PV	YP	Gels	API WL	pH	Solids	Chlorides			
Mud Material Mixed											
Cum Gel Mixed (tons)											
WOB Mn/Mx	RPM		GPS	SPM	GPM	Press	DC wt/mud	Rotating wt.	PU wt.	SO wt.	
From	To	Hours	Activity for Previous 24 Hours								
7:00 AM	6:00 PM	11.00	RUN 298 JTS 5-1/2" CASING. TIGHT SPOT @ 6900'. WASH DOWN. LOST CIRCULATION @ 10,979'								
			WORKING PIPE WHILE FILLING UP. CIRCULATION BACK. CONT'D RUNNING CASING.								
			PUMPED PAPER SWEEP TO GET CIRCULATION BACK.								
6:00 PM	6:30 PM	0.50	RIG DOWN CASING CREW & LD MACHINE								
6:30 PM	7:00 PM	0.50	HELD SAFETY MTG. RU OTEX CEMENTERS								
7:00 PM	9:00 PM	2.00	CEMENT WELL. PLUG DOWN @ 8:35 P.M. (TEXAS TIME)								
9:00 PM	9:30 PM	0.50	RD OTEX CEMENTERS								
9:30 PM	12:30 AM	3.00	SET SLIPS AND CUT OFF 5-1/2" CASING								
12:30 AM	7:00 AM	6.50	CLEAN MUD PITS AND RIG DOWN								
Casing detail:											
Run 298 jts 5-1/2" 17# L80 LTC Casing with 24 centralizers											
Shoe @ 11,203', Float @ 11,166', 2 Marker jts @ 9,802' & 7,851'											
Cement detail:											
Lead: Cement w550 sx 65/35/6 Class "H" + 5 pps Kolseal + 1/4 pps Celloflake + 0.15% C-20 +											
5% Salt + .004 gps CF-41L; weight 12.40; yeild 2.05											
Tail: Cement w/650 sx 50/50/2 Class "H" + 8/10% C-16A + 3 pps Kolseal + 1/8 pps Celloflake +											
0.004 gps CF-41L; weight 14.20; yeild 1.28; 1000 gals acid											
Total displacement 259 bbls. Plug down @ 8:35 p.m. PSI befoe plug down 2122 psi.											
Land plug w/ 2750 psi. Hold pressure on plug for 10 mins. Plug held.											
Full returns throughout job.											
TOTAL HOURS 24.00											
Bit No	Size	Mfg	Type	SN	Jets	In	Out	Ftg	Hrs	PR	
1	12-1/4	FFF	Milltooth		3-15	40	1850	1810	32.50	55.60	
2	8-3/4"	Security	FX75	1120523	6-14	1850	6137	4287	108.50	39.50	
3	8-3/4"	Security	FX76	11665137	6-14	6,137	7496	1359	41.75	32.55	
4	8-3/4"	Hughes	Q506FX	7129569	6-14	7,496	8900	1404	46.75	30.00	
5	7-7/8"	Hughes	Q506FX	7131925	6-14	8,900	9546	646	20.00	32.30	
6	7-7/8"	Hughes	Q506FX	7025680	6-14	9,546	9909	354	18.50	19.10	
7	7-7/8"	Hughes	t8150762	7129969	6-14	9,909	11,211	1302	34.50	37.70	
Bit No. Gradi	Inner	Outer	Dull Char	Location	Bearings	Other	Gauge	Rson Pld	Comments		
BHA	7-7/8" Bit (1.00), 1 BHC (30.53), 1 Teledrift (10.12), 15 6" DCs (473.50)								BHALngth	515.15	
	Size	Wt.	Grade	Conn.	Jts	Length	Jts / Loc	String Volume			
Drill Pipe (bottom)										bbls.	
Assumed Pump Eff.	Pump No. 1			Pump No. 2			Slow Pump R/P				
	Type	Liner OD	Length	GPS (100%)	SPM	GPM	Press	Depth	SPM	Pressure	
Pump No. 1											
Pump No. 2											
T/Pusher				Size	Wt/Grade	Set @	Date Set	Formation			
RigPhone				Conductor					Last Smpl		
Spud D/T				Surf. Csg.					Bg Gas		
Rig Rel. D/T				Int. Csg.					Cxn Gas		
Accident/Safety Information:				Prod. Csg.					Trip Gas		
NO ACCIDENTS											
Loads F Water Hauled				Loads BW Hauled				0			
Daily Mud Cost:				Cumulative Mud Cost:							
Pre-Drill & Daily Well Cost				Cumulative Well Cost:				Corrected CWC			


[View Details...](#)

Event		
Completed		
ROXANNE-4	Dev Completion - Cased	
Hole		
08/17/2011		
Job Cost Detail Report		
Total Cost for 08/17/2011	\$54,886.00	
08/19/2011		
Daily Summary		<p>Roxanne #4</p> <p>8/19/11</p> <p>Perf Strawn 07:30-08:20</p> <p>RU Halliburton Wireline. Perf Strawn w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Strawn @ 11072, 11024, 10974, 10939, 10905. Total shots=45 & fired=45. Net feet =167'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p> <p>RU frac crew & get another frac van. Delayed 8 hrs & 45 min.</p> <p>Frac Strawn 17:05-18:29</p> <p>RU Halliburton frac Strawn zone. Break down at 5413 psi @ 5 bpm. Pump 2007 gal 15% Ferchek acid. Pump 11803 gal treated water pre-pad. 11052 gal Water Frac G pre-pad, 60050 gal Hybor G Pad, 65442 gal Hybor G w/ 77424# 20/40 Premium prop, 1059 gal 15% Ferchek acid, 9860 gal treated water flush. Max rate=72 bpm, Avg rate=69 bpm, Max psi=5914 psi, Avg psi=5536 psi, ISIP=3391 psi. Total load=161270 gal. NOTE: SD during 2nd pre-pad to address psi transducer issues. Resumed frac & pumped to completion.</p> <p>Perf Lower Wolfcamp 18:29-19:30</p> <p>RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10840'. Perf Lower Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Wolfcamp @ 10812, 10770, 10729, 10674, 10639, 10582. Total shots=59 & fired=59. Net feet =230'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p> <p>Frac Lower Wolfcamp 19:38-20:43</p> <p>RU Halliburton frac Lower Wolfcamp zone. Break down at 3090 psi @ 10 bpm. Pump 1012 gal 15% Ferchek acid. Pump 11992 gal treated water pre-pad. 8516 gal Water Frac G pre-pad, 60199 gal Hybor G Pad, 67364 gal Hybor G w/ 84784# 20/40 Premium prop, 1038 gal 15% Ferchek acid, 9371 gal treated water flush. Max rate=71 bpm, Avg rate=70 bpm, Max psi=5871 psi, Avg psi=4837 psi, ISIP=3193 psi. Total load=159493 gal.</p> <p>SIW & SDFN</p>
Wireline - Perforate Casing/Liner		<p>Perf Strawn 07:30-08:20 RU Halliburton Wireline. Perf Strawn w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Strawn @ 11072, 11024, 10974, 10939, 10905. Total shots=45 & fired=45. Net feet =167'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p>
Waiting on Service Provider		<p>RU frac crew & get another frac van. Delayed 8 hrs & 45 min.</p>
Frac - Sand		<p>Frac Strawn 17:05-18:29 RU Halliburton frac Strawn zone. Break down at 5413 psi @ 5 bpm. Pump 2007 gal 15% Ferchek acid. Pump 11803 gal treated water pre-pad. 11052 gal Water Frac G pre-pad, 60050 gal Hybor G Pad, 65442 gal Hybor G w/ 77424# 20/40 Premium prop, 1059 gal 15% Ferchek acid, 9860 gal treated water flush. Max rate=72 bpm, Avg rate=69 bpm, Max psi=5914 psi, Avg psi=5536 psi, ISIP=3391 psi. Total load=161270 gal. NOTE: SD during 2nd pre-pad to address psi transducer issues. Resumed frac & pumped to completion.</p>
Wireline - Bridge Plug - Composite - Set Wireline		<p>RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10840'.</p>
Wireline - Perforate Casing/Liner		<p>Perf Lower Wolfcamp 18:29-19:30 RU Halliburton Wireline. RIH w/ 5</p>


[View Details...](#)

		1/2" composite plug. Set @ 10840'. Perf Lower Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Wolfcamp @ 10812, 10770, 10729, 10674, 10639, 10582. Total shots=59 & fired=59. Net feet =230'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.
Frac - Sand		Frac Lower Wolfcamp 19:38-20:43 RU Halliburton frac Lower Wolfcamp zone. Break down at 3090 psi @ 10 bpm. Pump 1012 gal 15% Ferchek acid. Pump 11992 gal treated water pre-pad. 8516 gal Water Frac G pre-pad, 60199 gal Hybor G Pad, 67364 gal Hybor G w/ 84784# 20/40 Premium prop, 1038 gal 15% Ferchek acid, 9371 gal treated water flush. Max rate=71 bpm, Avg rate=70 bpm, Max psi=5871 psi, Avg psi=4837 psi, ISIP=3193 psi. Total load=159493 gal. SIW & SDFN
Job Cost Detail Report		
Total Cost for 08/19/2011	\$1,200.00	
08/20/2011		
Frac - Sand		Frac Lower Sprayberry 15:05-16:08 RU Halliburton frac Lower Sprayberry zone. Break down at 2991 psi @ 7 bpm. Pump 1015 gal 15% Ferchek acid. Pump 11288 gal treated water pre-pad. 6277 gal Water Frac G pre-pad, 50326 gal Hybor G Pad, 60875 gal Hybor G w/ 145237 # 20/40 CRC prop, 1018 gal 15% Ferchek acid, 8144 gal treated water flush. Max rate=66 bpm, Avg rate=65 bpm, Max psi=4322 psi, Avg psi=3197 psi, ISIP=1538 psi. Total load=139090 gal.
Wireline - Bridge Plug - Composite - Set Wireline		RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 9200'.
Wireline - Perforate Casing/Liner		Perf Middle Sprayberry 16:08-17:00 Perf Middle Sprayberry w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Middle Sprayberry @ 9162, 9110, 9052, 9000, 8942, 8894. Total shots=63 & fired=63. Net feet =268'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.
Frac - Sand		Frac Middle Sprayberry 17:17-18:15 RU Halliburton frac Middle Sprayberry zone. Break down at 1302 psi @ 5 bpm. Pump 992 gal 15% Ferchek acid. Pump 11485 gal treated water pre-pad. 4308 gal Water Frac G pre-pad, 49636 gal Hybor G Pad, 65640 gal Hybor G w/ 159897# 20/40 White sand, 8601 gal treated water flush. Max rate=65 bpm, Avg rate=65 bpm, Max psi=3781 psi, Avg psi=2660 psi, ISIP=1313 psi. Total load=141023 gal. RDMO Halliburton frac crew & wireline. SIW & SDFN
Wireline - Bridge Plug - Composite - Set Wireline		RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10445'.
Wireline - Perforate Casing/Liner		Perf Middle Wolfcamp 08:10-09:03 Perf Middle Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Middle Wolfcamp @ 10413, 10358, 10277, 10220, 10159. Total shots=57 & fired=57. Net feet =254'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.
Frac - Sand		Frac Middle Wolfcamp 10:19-11:29 RU Halliburton frac Middle Wolfcamp zone. Break down at 1862 @ 6 bpm. Pump 995 gal 15% Ferchek acid. Pump 17313 gal treated water pre-pad. 7528 gal Water Frac G pre-pad, 69516 gal Hybor G Pad, 75066 gal Hybor G w/ 120103# 20/40 CRC prop, 1009 gal 15% Ferchek acid, 8964 gal treated water flush. Max rate=73 bpm, Avg rate=71 bpm, Max psi=5817 psi, Avg psi=3942 psi, ISIP=2213 psi. Total load=180396 gal.
Wireline - Bridge Plug - Composite - Set Wireline		RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10045'.
Wireline - Perforate Casing/Liner		Perf Upper Wolfcamp 11:29-12:26 Perf Upper Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Upper Wolfcamp @ 10004, 9964, 9916, 9852. Total shots=48 & fired=48. Net feet


[View Details...](#)

		=152'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.
Frac - Sand		Frac Upper Wolfcamp 13:09-14:07 RU Halliburton frac Upper Wolfcamp zone. Breakdown @ 3416 psi @ 7 bpm. Pump 1006 gal 15% Ferchek acid. Pump 11364 gal treated water pre-pad. 6102 gal Water Frac G pre-pad, 42360 gal Hybor G Pad, 60153 gal Hybor G w/ 140988# 20/40 CRC prop, 1046 gal 15% Ferchek acid, 8652 gal treated water flush. Max rate=68 bpm, Avg rate=65 bpm, Max psi=4925 psi, Avg psi=4094 psi, ISIP=2484 psi. Total load=130688 gal. NOTE: Start of stg delayed 45 min changing out 4" wheel valve on frac iron.
Wireline - Bridge Plug - Composite - Set Wireline		RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 9720'.
Wireline - Perforate Casing/Liner		Perf Lower Sprayberry 14:07-15:00 Perf Lower Sprayberry w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Sprayberry @ 9682, 9618, 9566, 9512, 9438, 9378. Total shots=61 & fired=61. Net feet =304'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.
Daily Summary		<p>Roxanne #4</p> <p>8/20/11</p> <p>Perf Middle Wolfcamp 08:10-09:03</p> <p>RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10445'.</p> <p>Perf Middle Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Middle Wolfcamp @ 10413, 10358, 10277, 10220, 10159. Total shots=57 & fired=57. Net feet =254'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p> <p>Frac Middle Wolfcamp 10:19-11:29</p> <p>RU Halliburton frac Middle Wolfcamp zone. Break down at 1862 @ 6 bpm. Pump 995 gal 15% Ferchek acid. Pump 17313 gal treated water pre-pad. 7528 gal Water Frac G pre-pad, 69516 gal Hybor G Pad, 75066 gal Hybor G w/ 120103# 20/40 CRC prop, 1009 gal 15% Ferchek acid, 8964 gal treated water flush. Max rate=73 bpm, Avg rate=71 bpm, Max psi=5817 psi, Avg psi=3942 psi, ISIP=2213 psi. Total load=180396 gal.</p> <p>Perf Upper Wolfcamp 11:29-12:26</p> <p>RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 10045'.</p> <p>Perf Upper Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Upper Wolfcamp @ 10004, 9964, 9916, 9852. Total shots=48 & fired=48. Net feet =152'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p> <p>Frac Upper Wolfcamp 13:09-14:07</p> <p>RU Halliburton frac Upper Wolfcamp zone. Breakdown @ 3416 psi @ 7 bpm. Pump 1006 gal 15% Ferchek acid. Pump 11364 gal treated water pre-pad. 6102 gal Water Frac G pre-pad, 42360 gal Hybor G Pad, 60153 gal Hybor G w/ 140988# 20/40 CRC prop, 1046 gal 15% Ferchek acid, 8652 gal treated water flush. Max rate=68 bpm, Avg rate=65 bpm, Max psi=4925 psi, Avg psi=4094 psi, ISIP=2484 psi. Total load=130688 gal. NOTE: Start of stg delayed 45 min changing out 4" wheel valve on frac iron.</p> <p>Perf Lower Sprayberry 14:07-15:00</p> <p>RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 9720'.</p> <p>Perf Lower Sprayberry w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Sprayberry @ 9682, 9618, 9566, 9512, 9438, 9378. Total shots=61 & fired=61. Net feet =304'. Reference log Halliburton CNL/GR/CCL dated 7-20-11.</p> <p>Frac Lower Sprayberry 15:05-16:08</p> <p>RU Halliburton frac Lower Sprayberry zone. Break down at 2991 psi @ 7 bpm. Pump 1015 gal 15% Ferchek acid. Pump 11288 gal treated water pre-pad. 6277 gal Water Frac G pre-pad, 50326 gal Hybor G Pad, 60875 gal Hybor G w/ 145237 # 20/40 CRC prop, 1018 gal 15% Ferchek acid, 8144 gal treated water flush. Max rate=66 bpm, Avg rate=65 bpm, Max psi=4322 psi, Avg psi=3197 psi, ISIP=1538 psi. Total load=139090 gal.</p> <p>Perf Middle Sprayberry 16:08-17:00</p>


[View Details...](#)

		RU Halliburton Wireline. RIH w/ 5 1/2" composite plug. Set @ 9200'. Perf Middle Sprayberry w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Middle Sprayberry @ 9162, 9110, 9052, 9000, 8942, 8894. Total shots=63 & fired=63. Net feet =26
Job Cost Detail Report		
Total Cost for 08/20/2011	\$483,827.81	
10/05/2011		
Job Cost Detail Report		
Daily Summary		10-5-11.....move in pulling unit and equipment to location, casing 50 psi, hook up casing to pit and flow well down, set pipe racks and catwalk and unload 11150' of 2 7/8" L-80 tubing, rig up pulling unit, tally tubing, kill well with 50 bbls brine, nipple down frac valve, nipple up hyd bop
Safety Meeting		CREW CHANGE, SAFETY MEETING, RIG INSPECTION
Equipment - Load/Unload		SET CATWALK AND PIPE RACKS, UNLOAD 11150' OF 2 7/8" L-80 TUBING
Pulling Unit - Rig Up		RU PU WLP 120, set rig mat & spot PU
BOPE - Function Test		UNLOAD BOP, RIG UP AND FUNCTION TEST BOP
Waiting on Service Provider		SWECO CRANE TRUCK BROKE DOWN, WAIT ON CRANE TRUCK TO ARRIVE LOCATION
Safety - Personnel		
Tubing - Tally		TALLY TUBING
Rig Travel Time		RIG TRAVEL TO LOCATION
Equipment - Load/Unload		MOVE EQUIPMENT TO LOCATION
Casing - Flowback		CASING 50 PSI, HOOK UP CASING TO PIT AND BLEED WELL DOWN
Total Cost for 10/05/2011	\$91,708.40	
10/06/2011		
Safety - Personnel		
Rig Crew Travel Time		CREW TRAVEL HOME
Shut-in Overnight		SHUT IN WELL, SECURE LOCATION
Waiting on Weather		TOO WINDY TO RUN TUBING, STANDBY FOR WINDS TO SLOW, WIND NEVER STOPPED BLOWING HARD
Safety Meeting		LOCATION SAFETY MEETING, RIG INSPECTION
Rig Crew Travel Time		NIGHT CREW TRAVEL TO LOCATION
Rig Crew Travel Time		CREW TRAVEL HOME
Shut-in Overnight		SHUT IN WELL, SECURE LOCATION
Waiting on Weather		TOO WINDY TO CONTINUE RUNNING TUBING, WAIT ON WIND TO DIE DOWN
Break for Crew		LUNCH
Job Cost Detail Report		
Break for Crew		Lunch
Well Control - Kill Well - Brine		KILL WELL WITH 50 BBLS BRINE
Frac Valve - Nipple Down		NIPPLE DOWN FRAC VALVE


[View Details...](#)

BOPE Hydraulic - Nipple Up		NIPPLE UP HYDRAULIC BOP
Bit - Run		PREP TO RUN TUBING, PICK UP AND RUN IN HOLE WITH 4 3/4" BIT, 6 EA 3 1/2" DRILL COLLARS, and 2 7/8" tbg, 100 jts
Safety Meeting		CREW CHANGE, SAFETY MEETING
Pulling Unit - Safety Inspection		RIG INSPECTION
Bit - Run		RUN IN HOLE WITH BIT
Well Control - Kill Well - Brine		KILL WELL WITH 50 BBLS BRINE DOWN TUBING AND CASING
Daily Summary		10-6-11.....Sweco crane truck arrive location, kill well with 50 bbls brine, nipple down frac valve, nipple up hyd bop, pick up and run in hole with 4 3/4" bit, 6 ea 3 1/2" drill collars and 2 7/8" tubing, shut down for high winds, send day crew home, night crew wait on wind to die down,
Total Cost for 10/06/2011	\$26,913.40	
10/07/2011		
Circulate		FINISH CIRCULATING HOLE WITH AIR
Bit - Run		RUN IN HOLE WITH BIT TO FIRST BRIDGE PLUG AT 9200'
Power Swivel - Rig Up		RIG UP SWIVEL
Drill - Bridge Plug		ESTABLISH CIRCULATION AND DRILL OUT BRIDGE PLUGS AT 9200', 9720', 10045' AND 10445'
Circulate		CIRCULATE HOLE WHILE LIGHTNING IN THE AREA
Safety - Personnel		
Safety Meeting		CREW CHANGE, SAFETY MEETING, RIG INSPECTION
Circulate		BREAK CIRCULATION WITH AIR
Stripper Head - Nipple Up/Nipple Down		NIPPLE UP STRIPPER HEAD AND HOOK UP FLOWLINE TO PIT
Job Cost Detail Report		
Bit - Run		RUN IN HOLE WITH TOTAL OF 276 JTS, BIT AT 8700'
Break for Crew		LUNCH
Bit - Run		RUN IN HOLE WITH BIT, RUN SLOWLY BECAUSE OF HIGH WINDS
Safety Meeting		SAFETY HUDDLE , JSA 202
Well Control - Kill Well - Brine		KILL TUBING WITH 50 BBLS BRINE
Casing - Check Pressure		20 psi
Tubing - Check Pressure		50 psi
Safety Meeting		LOCATION SAFETY MEETING, RIG INSPECTION
Rig Crew Travel Time		CREW TRAVEL TO LOCATION
Safety Meeting		WESTEX SAFETY MEETING
Rig Crew Travel Time		CREW TRAVEL TO WESTEX YARD
Daily Summary		10-7-11.....attend Westex safety meeting, run in hole with bit picking up tubing off racks to 8700', nipple up stripper head and flowline to pit, circulate hole with air, tighten bop and stripper head, run in hole with bit to top bridge plug, rig up stripper head, drill out bridge plugs at 9200', 9720',10045' and 10445' cost - 10-6-11 - \$26,415, cumulative thru 10-6-11 -- \$117,780
Total Cost for 10/07/2011	\$39,739.70	
10/08/2011		


[View Details...](#)

Drill - Bridge Plug		RUN IN HOLE WITH BIT, DRILL OUT BRIDGE PLUG AT 10840'
Circulate		CIRCULATE HOLE WHILE LIGHTNING IN THE AREA
Safety Meeting		CREW CHANGE, SAFETY MEETING, RIG INSPECTION
Wellbore Cleanout		RUN IN HOLE WITH BIT, CLEANOUT TO FLOAT COLLAR AT 11170'
Circulate		CIRCULATE HOLE CLEAN WITH AIR
Break for Crew		LUNCH
Well Control - Kill Well - Brine		KILL TUBING WITH 50 BBLS BRINE
Power Swivel - Rig Down		RIG DOWN SWIVEL
Bit - Pull		PULL BIT ABOVE PERFS WITH 38 STANDS
Shut-in Overnight		SHUT WELL IN SECURE LOCATION
Daily Summary		10-8-11.....circulate with air while lightning storm in area, drill out bp at 10840', circ while lightning storm in area, cleanout to float collar at 11170', circulate hole clean, kill well with brine water, pull bit above perfs, shut in well till Monday cost - 10-7-11 - \$39,050, cumulative thru 10-7-11 -- \$156,730
Job Cost Detail Report		
Circulate		CIRCULATE HOLE WHILE LIGHTNING IN THE AREA
Rig Crew Travel Time		CREW TRAVEL HOME
Safety - Personnel		
Total Cost for 10/08/2011	\$58,780.40	
10/10/2011		
Safety Meeting		CREW CHANGE, SAFETY MEETING, RIG INSPECTION
Tubing - Run		RUN IN HOLE WITH 180 JTS TUBING, 354 TOTAL
Tubing Anchor - Set		SET TUBING ANCHOR WITH 20K TENSION AT 10867'
Safety Meeting		SAFETY HUDDLE, JSA 402
BOPE Hydraulic - Nipple Down		NIPPLE DOWN BOP
Daily Summary		10-10-11.....tubing 450, casing 950, bleed well down to pit, kill well with brine water, pull out of hole with bit and lay down drill collars, make up bha and run in hole with production tubing, set tubing anchor, nipple down bop, nipple up wellhead cost - 10-8-11 - 55,750, cumulative cost thru 10-8-11 -- \$212,480
Job Cost Detail Report		
Wellhead - Nipple Up		NIPPLE UP WELLHEAD
Safety - Personnel		
Rig Crew Travel Time		CREW TRAVEL TO LOCATION
Safety Meeting		LOCATION SAFETY MEETING, RIG INSPECTION, JSA 401
Tubing - Check Pressure		420 psi
Casing - Check Pressure		950 psi
Well Control - Bleed Well Down		KILLED WELL WITH BRINE WATER, 200 BBLS DOWN TUBING AND 70 DOWN CASING
Stripper Head - Nipple Up/Nipple Down		LOAD SWIVEL ON TRAILER, NIPPLE DOWN STRIPPER HEAD
Bit - Pull		PULL OUT OF HOLE WITH 25 STANDS
Break for Crew		LUNCH


[View Details...](#)

Bit - Pull		FINISH PULLING OUT OF HOLE WITH BIT, LAY DOWN DRILL COLLARS
Safety Meeting		SAFETY HUDDLE
Tubing - Run		MAKE UP BHA AND RUN IN HOLE WITH PROD TUBING, BULL PLUG, 2 SAND SCREENS, MHDSN, 2 TK-99 L-80, 2 JTS TUBING, TAC, 2 JTS TBG, MARKER SUB AND 170 JTS 2 7/8" L-80
Total Cost for 10/10/2011	\$21,755.08	
10/11/2011		
Daily Summary		10-11-11.....run in hole with pump, 6 ea 1.5" K bars and 100 3/4" HD rods, attend Westex safety meeting, finish running in hole with pump and rods, space out 27", load and test tubing to 500 psi, long stroke pump, lower beam on pumping unit, hang well on, pumping unit does not have any power hooked up, rig down pulling unit and all equipment and prep to move cost - 10-10-11 - \$13,265, cumulative to 10-10-11 -- \$225,745
Job Cost Detail Report		
Total Cost for 10/11/2011	\$7,750.00	
11/11/2011		
Pump/Rods - Run		JSA 101, PREP EQUIPMENT TO RUN RODS, PICK UP AND RUN IN HOLE WITH PUMP, 6 EA 1.5" K BARS AND 100 3/4" HD RODS
Shut-in Overnight		INSTALL POLISH ROD, STUFFING BOX, SHUT IN WELL, SECURE LOCATION
Rig Crew Travel Time		CREW TRAVEL TO WESTEX YARD
Safety Meeting		WESTEX SAFETY MEETING
Rig Crew Travel Time		CREW TRAVEL TO LOCATION
Safety Meeting		LOCATION SAFETY MEETING, JSA 103
Tubing - Check Pressure		TUBING 20 PSI, BLEED WELL TO PIT
Pump/Rods - Run		LAY DOWN POLISH ROD AND STUFFING BOX, RUN IN HOLE WITH 176 EA 3/4" HD AND 30 EA 7/8" HD RODS
Break for Crew		LUNCH
Pump/Rods - Run		FINISH RUNNING IN HOLE WITH PUMP AND RODS, TOTAL OF 149 EA 7/8" AND 2' SUB, SPACE OUT
Tubing - Pressure Test		LOAD AND TEST TUBING TO 500 PSI, LONG STROKE PUMP
Pumping Unit - Hang on Head		WEATHERFORD LOWER BEAM ON PUMPING UNIT, HANG WELL ON
Pulling Unit - Rig Down		RD PU WLP 120
Site Work		CLEANUP LOCATION AND PREP TO MOVE
Safety - Personnel		
Break for Crew		LUNCH
Total Cost for 11/11/2011	\$5,990.08	
Total Cost for ROXANNE-4	\$792,550.87	