

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 6-49 #4

API/UWI 42-003-44365-0000		Property Sub 929406-004		Operator PIONEER NATURAL RESRC USA, INC		State TEXAS		County ANDREWS	
Field Name SPRABERRY (TREND AREA) BREEDLOVE (STRAWN)				Surface Legal Location 467' FSL, 467' FEL, SEC 49, BLK 6, UNIVERSITY LANDS, A-U187					
Spud Date 7/15/2012		TD Date 7/30/2012		Drilling Rig Release Date 8/1/2012		On Production Date		Initial Potential Date	
Ground Elevation (ft) 2,978.00		Original KB Elevation (ft) 2,998.00		PBDT (All) (ftKB) Original Hole - 1,700.0		Total Depth (All) (ftKB) Original Hole - 12,555.0		Total Depth All (TVD) (ftKB)	
Report #: 1 Daily Operation: 7/12/2012 01:00 - 7/12/2012 06:00									
Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM				AFE Number 024085	
Days From Spud (days) -3		Days on Location (days)		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal)	
Rig									
Operations Summary RIGGING DOWN									
Remarks MOVE FRIDAY MAYBE									
Time Log Summary									
Operation		Com						Dur (hr)	
Report #: 2 Daily Operation: 7/12/2012 06:00 - 7/13/2012 06:00									
Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM				AFE Number 024085	
Days From Spud (days) -2		Days on Location (days) 1		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal)	
Rig									
Operations Summary RIGGING DOWN									
Remarks WILL START MOVING THIS AFTER NOON									
Time Log Summary									
Operation		Com						Dur (hr)	
RDMO		RIGGING DOWN						24.00	
Report #: 3 Daily Operation: 7/13/2012 06:00 - 7/14/2012 06:00									
Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM				AFE Number 024085	
Days From Spud (days) -1		Days on Location (days) 2		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal)	
Rig									
Operations Summary MOVING ON NEW LOCATION & RIG UP									
Remarks									
Time Log Summary									
Operation		Com						Dur (hr)	
MIRU		MOVING ONTO NEW LOCATION & RIG UP						24.00	
Report #: 4 Daily Operation: 7/14/2012 06:00 - 7/15/2012 06:00									
Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM				AFE Number 024085	
Days From Spud (days) 0		Days on Location (days) 3		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal)	
Rig									
Operations Summary RIGGING UP									
Remarks SPUD TODAY									
Time Log Summary									
Operation		Com						Dur (hr)	
MIRU		MOVE ON LOCATION AND RIG UP						24.00	
Report #: 5 Daily Operation: 7/15/2012 06:00 - 7/16/2012 06:00									
Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM				AFE Number 024085	
Days From Spud (days) 1		Days on Location (days) 4		End Depth (ftKB) 1,484.0		End Depth (TVD) (ftKB) 1,483.9		Dens Last Mud (lb/gal) 8.50	
Rig SENDERO, 15									
Operations Summary RIG UP, RIG INSEPECTION, DRLG, SURVEY, DRLG									
Remarks SPUD @ 1:00 PM									
Time Log Summary									
Operation		Com						Dur (hr)	
RURDRT		RIGGING UP						5.00	
SFTY		PRE SPUD INSPECTION						2.00	
DRLG		DRILLING						6.00	

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Time Log Summary

Operation	Com	Dur (hr)
RIGSER	RIG SERVICE	0.50
DEVSUR	SURVEY @ 491'	0.50
DRLG	DRILLING	4.50
DEVSUR	SURVEY @ 984'	0.50
DRLG	DRILLING	5.00

Report #: 6 Daily Operation: 7/16/2012 06:00 - 7/17/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
2	5	1,740.0	1,739.9	8.80	SENDERO, 15		

Operations Summary

DRLG, SURVEY, DRLG, CIRC, TOOH, SAFETY MEETING, RAN 8 5/8 CSGWASH CSG TO BOTTOM, CEMENT, WORK CASING, CEMENT

Remarks

TD 11" HOLE @ 12:00 PM, RAN 42 JTS 8 5/8 32# CSG SET @ 1735, CEMENT W/SCHLUMBERGER, LEAD 480 SKS, TAIL 170 SKS

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRILLING	1.50
DEVSUR	SURVEY .3° @ 1485'	0.50
DRLG	DRILLING TD 11" HOLE @ 12:00	4.00
CIRC	CIRCULATE VIS 55	2.00
TRIP	TRIP OUT F/SURFACE	5.00
SFTY	SAFETY MEETING W/CSG CREW	0.50
CSG	RAN 42 JTS 8 5/8	4.50
CSG	WASH CASING TO BOTTOM	2.00
U_CMT	WHILE PUMPING SPACER HOLE PACKED OFF 2000#	1.00
U_CMT	WORK CASING REGAIN CIRCLULATION BRING VIS UP 60	1.50
CMTPRI	CEMENT W/SCHLUMBERGER	1.50

Report #: 7 Daily Operation: 7/17/2012 06:00 - 7/18/2012 06:00

Job Category			Primary Job Type			AFE Number
ORIG DRILL & COMPLETE			ODR & OCM			024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
3	6	2,020.0	2,019.9	8.60	SENDERO, 15	

Operations Summary

CEMENT SURACE, NIPPLE UP BOP & TEST, PICK UP BHA, TIH, DRLG CMT, DRLG

Remarks

CEMENT W/ SCHLUMBERGER LEAD 480 SKS, TAIL 170 SKS, CIRC 301 SKS TO PIT, PLUG DOWN @ 7:00 AM 7/17/12

Time Log Summary

Operation	Com	Dur (hr)
CMTPRI	CEMENT W/SCHLUMBERGER	1.00
BOPS	NIPPLE UP & TEST BOP 500#	13.00
BHA	PICK UP BHA	1.00
TRIP	TRIP IN HOLE TAG CMT @ 1660'	3.00
DRLCMT	DRLG CEMENT	1.00
DRLG	DRILLING	5.00

Report #: 8 Daily Operation: 7/18/2012 06:00 - 7/19/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
4	7	4,055.0	4,054.9	9.00	SENDERO, 15		

Operations Summary

DRLG, SURVEY, DRLG

Remarks

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRILLING	3.00
DEVSUR	SURVEY @ 271'	0.50
DRLG	DRILLING	4.00
DEVSUR	SURVEY @ 2722	0.50
DRLG	DRILLING	4.00
DEVSUR	SURVEY @ 3275	0.50
DRLG	DRILLING	7.00

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Time Log Summary

Operation	Com	Dur (hr)
RIGSER	RIG SERVICE	0.50
DEVSUR	SURVEY @ 3773	0.50
DRLG	DRILLING	3.50

Report #: 9 Daily Operation: 7/19/2012 06:00 - 7/20/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
5	8	5,242.0	5,241.9	9.00	SENDERO, 15	

Operations Summary

DRLG., SURVEY, DRLG.
INSTALL ROT. HEAD,
DRLG., SURVEY, DRLG.

Remarks

STARTED MUD-UP @4200
COMPLETED @ 4350

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 24 RPM 75	2.50
DEVSUR	WLS @ 4,274 - .5	0.50
DRLG	DRLG. W/FULL RETURNS WOB 24 RPM 75	2.50
BOPS	INSTALL ROT. HEAD.	0.50
DRLG	DRLG. W/FULL RETURNS WOB 24 RPM 75	6.00
DEVSUR	WLS @ 4,774.0 - .5	0.50
DRLG	DRLG. W/FULL RETURNS WOB 24 RPM 75	11.50

Report #: 10 Daily Operation: 7/20/2012 06:00 - 7/21/2012 06:00

Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM			AFE Number 024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
6	9	6,617.0	6,616.8	8.80	SENDERO, 15			

Operations Summary

WLS, DRLG., SER. RIG, WLS.,
DRLG., SER. RIG, WLS, DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 25 RPM 75

Time Log Summary

Operation	Com	Dur (hr)
DEVSUR	WLS @ 5242 - 1.3	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	9.00
RIGSER	SER. RIG	0.50
DEVSUR	WLS @ 5773 - 0.2	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	7.00
RIGSER	SER. RIG	0.50
DEVSUR	WLS @ 6274 - 0.2	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	5.50

Report #: 11 Daily Operation: 7/21/2012 06:00 - 7/22/2012 06:00

Job Category			Primary Job Type			AFE Number		
ORIG DRILL & COMPLETE			ODR & OCM			024085		
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
7	10	7,621.0	7,620.8	9.10	SENDERO, 15			

Operations Summary

DRLG., WLS, DRLG., SER. RIG,
DRLG., WLS, DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 25 RPM 75

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Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	2.50
DEVSUR	WLS @ 6773 - 0.5	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	5.00
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	6.50
DEVSUR	WLS @ 7274 - 0.2	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	8.50

Report #: 12 Daily Operation: 7/22/2012 06:00 - 7/23/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085		
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
8	11	8,558.0	8,557.8	9.10	SENDERO, 15			

Operations Summary

DRLG.,WLS,DRLG.,SER. RIG,
DRLG.,WLS,DRLG.,SER. RIG,
DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 25 RPM 75

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	5.00
DEVSUR	WLS @ 7777 - 1.0	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	3.50
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	8.00
DEVSUR	WLS @ 8276 - 0.5	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	4.50
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	1.00

Report #: 13 Daily Operation: 7/23/2012 06:00 - 7/24/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085		
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
9	12	9,337.0	9,336.8	9.10	SENDERO, 15			

Operations Summary

DRLG.,WLS,DRLG.,SER. RIG,
DRLG.,WLS, DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 25 RPM 75

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	6.50
DEVSUR	WLS @ 8,776 - 1.1	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	3.50
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	11.00
DEVSUR	WLS @ 9275 - 0.5	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	1.50

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Report #: 14 Daily Operation: 7/24/2012 06:00 - 7/25/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
10	13	9,837.0	9,836.8	9.00	SENDERO, 15		

Operations Summary
DRLG,SER. RIG,DRLG.,
TOH W/BIT #2, X-O SLIP DIES,
TOH W/BIT #2

Remarks
TRIP OUT OF HOLE F/ BIT #2

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	8.00
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	7.50
TRIP	TOH F/ BIT #2	4.50
U_OTR	CHANGE OUT SLIP DIES	0.50
TRIP	TOH F/BIT #2	3.00

Report #: 15 Daily Operation: 7/25/2012 06:00 - 7/26/2012 06:00

Job Category				Primary Job Type			AFE Number	
ORIG DRILL & COMPLETE				ODR & OCM			024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
11	14	10,436.0	10,435.8	9.20	SENDERO, 15			

Operations Summary
TOH F/BIT #2,LD TRI-SQ DC,M-U BHA #3
TIH,CIRC, TIH,CIRC, TIH,CIRC, TIH,REAM TO BOTTOM,DRLG.

Remarks
DRLG. W/FULL RETURNS
WOB 25 RPM 75

Time Log Summary

Operation	Com	Dur (hr)
TRIP	TOH, L-D TRI SQ DC	1.00
TRIP	TIH W/BHA #3 TO 4,500	3.50
CIRC	CIRC. COND MUD @ 4500	0.50
TRIP	TIH TO 6,500	0.50
CIRC	CIRC. COND. MUD @ 6500	0.50
TRIP	TIH TO 8,500	1.00
CIRC	CIRC. COND. MUD @ 8500	0.50
TRIP	TIH TO 9683	0.50
RMWASH	WASH REAM 150' TO BOTTOM	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 80	15.50

Report #: 16 Daily Operation: 7/26/2012 06:00 - 7/27/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
12	15	11,438.0	11,437.7	9.40	SENDERO, 15		

Operations Summary
WLS,DRLG.,SER. RIG,DRLG., WLS,
DRLG.,

Remarks
DRLG. W/FULL RETURNS
WOB 25 RPM 75

Time Log Summary

Operation	Com	Dur (hr)
DEVSUR	WLS @ 10,436 - 0.9	1.00
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	8.00
RIGSER	SER. RIG	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	0.50
DEVSUR	WLS @ 10,490.0 - 0.7	1.00

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Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	13.00

Report #: 17 Daily Operation: 7/27/2012 06:00 - 7/28/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 13	Days on Location (days) 16	End Depth (ftKB) 11,890.0	End Depth (TVD) (ftKB) 11,889.7	Dens Last Mud (lb/gal) 9.10	Rig SENDERO, 15	

Operations Summary

WLS, DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 28 RPM 65

Time Log Summary

Operation	Com	Dur (hr)
DEVSUR	WLS @ 11438 - 0.2	1.00
DRLG	DRLG. W/FULL RETURNS WOB 28 RPM 65	23.00

Report #: 18 Daily Operation: 7/28/2012 06:00 - 7/29/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 14	Days on Location (days) 17	End Depth (ftKB) 12,000.0	End Depth (TVD) (ftKB) 11,999.7	Dens Last Mud (lb/gal) 9.20	Rig SENDERO, 15	

Operations Summary

DRLG., WLS, DRLG.,
TOH F/BIT, RIG REPAIR - ROT CHAIN
TOH F/BIT

Remarks

TOH F/BIT

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 27 RPM 60	1.50
DEVSUR	WLS @ 11,895 - 0.6	1.00
DRLG	DRLG. W/FULL RETURNS WOB 28 RPM 55	11.50
TRIP	TOH F/BIT #3	6.50
U_RIG	RIG REPAIR - REPLACE ROTARY CHAIN	2.00
TRIP	TOH F/BIT #3	1.50

Report #: 19 Daily Operation: 7/29/2012 06:00 - 7/30/2012 06:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 15	Days on Location (days) 18	End Depth (ftKB) 12,265.0	End Depth (TVD) (ftKB) 12,264.7	Dens Last Mud (lb/gal) 9.20	Rig SENDERO, 15	

Operations Summary

X-O BIT, TIH W/BIT #4, CIRC. @ 4500,
TIH W/BIT #4, CIRC @ 6,500, TIH W/BIT
#4, CIRC. @ 9,500, TIH W/BIT #4, WASH REAM 150' TO BOTTOM, DRLG.

Remarks

DRLG. W/FULL RETURNS
WOB 18-22 RPM 65-75

Time Log Summary

Operation	Com	Dur (hr)
TRIP	TIH W/BIT #4	5.00
CIRC	CIRC. COND MUD @ 4500	0.50
TRIP	TIH W/BIT #4	1.50
CIRC	CIRC. COND. MUD @ 6500	0.50
TRIP	TIH W/BIT #4	2.00
CIRC	CIRC. COND MUD @ 10,500	1.00
CIRC	TIH W/BIT #4	0.50
RMWASH	WASH AND REAM 150' TO BOTTOM	1.00

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Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 18-22 RPM 65-75	12.00

Report #: 20 Daily Operation: 7/30/2012 06:00 - 7/31/2012 06:00

Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		AFE Number 024085	
Days From Spud (days) 16	Days on Location (days) 19	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig SENDERO, 15

Operations Summary
DRLG.,SER. RIG,RIG REPAIR,
WLS, CIRC. COND MUD,R-U L-D
MACHINE,LD-DP

Remarks

TD @ 22:00 9/30/12

Time Log Summary

Operation	Com	Dur (hr)
DRLG	DRLG. W/FULL RETURNS WOB 22 RPM 70	4.50
RIGSER	SER. RIG	0.50
U_RIG	RIG REPAIR ROTARY CHAIN	0.50
DRLG	DRLG. W/FULL RETURNS WOB 25 RPM 75	10.50
DEVSUR	WLS @ 12500 1.4	1.00
CIRC	CIRC.HOLE PUMP STARCH	3.00
DPIPE	R-U LD MACHINE	1.50
DPIPE	LD-DP	2.50

Report #: 21 Daily Operation: 7/31/2012 06:00 - 8/1/2012 06:00

Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		AFE Number 024085	
Days From Spud (days) 17	Days on Location (days) 20	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig SENDERO, 15

Operations Summary
LD-DP,BREAK KELLY,LD-DC, R-U AND RUN
297 JNTS 5 1/2 CASING,CIRC. WASH CASING
TO BOTTOM

Remarks

CIRC. COND MUD TO WASH CASING TO BOTTOM

Time Log Summary

Operation	Com	Dur (hr)
DPIPE	LD-DP	7.00
DPIPE	BREAK KELLY DOWN	1.00
DPIPE	LD/DC AND BHA	2.50
CSG	R-U CASING CREW	1.50
CSG	RUN 5 1/2 CASING	10.50
CSG	CIRC. COND MUD WASHING CASING TO BOTTOM	1.50

Report #: 22 Daily Operation: 8/1/2012 06:00 - 8/2/2012 06:00

Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		AFE Number 024085	
Days From Spud (days) 18	Days on Location (days) 21	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig SENDERO, 15

Operations Summary
WORK CASING,R-U CEMENTERS,
CEMENT,N-D BOP,SET SLIPS,CUT OFF

Remarks

BUMP PLUG @ 15:30 8/1/2012
RIG RELEASE @ 19:30 8/1/2012

Time Log Summary

Operation	Com	Dur (hr)
CSG	LANDED CSG @12,447 WOULD NOT GO TO TVD	5.50

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Time Log Summary

Operation	Com	Dur (hr)
CMT	CMT W/SCHLUMBERGER 590 SX LEAD LITECRETE 540 SX TAIL 50/50 POZ/H	4.00
BOPS	N-D, SET SLIPS, CUT OFF RR @ 17:30 8/1/2012	4.00
RURDRT	RD/RT TO MOVE	10.50

Report #: 23 Daily Operation: 10/13/2012 06:00 - 10/13/2012 18:00

Job Category	Primary Job Type	AFE Number
ORIG DRILL & COMPLETE	ODR & OCM	024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
90	22	12,555.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
	9.30	PIONEER WELL SERVICE, 20
Operations Summary		
MIRU		
Remarks		

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	MIRU. W/O BOP & RG MAT. GOT EQUIP IN PLACE. NU BOP, TALLY TOP ROW & START PU TBG. GOTIN THE HOLE W/ 68 JTS. SD4WKND.	12.00

Report #: 24 Daily Operation: 10/15/2012 06:00 - 10/15/2012 18:00

Job Category	Primary Job Type	AFE Number
ORIG DRILL & COMPLETE	ODR & OCM	024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
92	22	12,555.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
	9.30	PIONEER WELL SERVICE, 20
Operations Summary		
TAG BOTTOM @ 12566' W/ B&S.		
Remarks		

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	OPEN WELL, CONTINUE PU TBG. GOT IN THE HOLE W/ 389 JTS & TAG BOTTOM @ 12566' W/ B&S. TURNED AROUND & POOH W/ 150 STANDS & SDON.	12.00

Report #: 25 Daily Operation: 10/16/2012 06:00 - 10/16/2012 18:00

Job Category	Primary Job Type	AFE Number
ORIG DRILL & COMPLETE	ODR & OCM	024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
93	23	12,555.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
	9.30	PIONEER WELL SERVICE, 20
Operations Summary		
Got RU & RIH w/ 4 5/8" gauge ring. Went to bottom - tagged @ 12551'.		
Remarks		

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well. POOH w/ tubing & WO WL. Got RU & RIH w/ 4 5/8" gauge ring. Went to bottom - tagged @ 12551'. POOH & RD WL. SWI & SDON.	12.00

Report #: 26 Daily Operation: 10/17/2012 06:00 - 10/17/2012 18:00

Job Category	Primary Job Type	AFE Number
ORIG DRILL & COMPLETE	ODR & OCM	024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
94	23	12,555.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
	9.30	PIONEER WELL SERVICE, 20
Operations Summary		
RIH w/ CCL on WL & found RA sub @ 12277' - 35' from where we needed it @ 12312', ND BOP & set Pkr @ 12349' w/ 15 pnts of compression. NU flow tree.		
Remarks		

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Crew late to location due to safety issues. Open the well. PU stim guns & BHA. BHA length 145.59' including firing head - ported sub - Pkr - SN - RA marker sub. Ran tubing in hole slow. Got 380 jnts of tubing in the hole. RIH w/ CCL on WL & found RA sub @ 12277' - 35' from where we needed it @ 12312. POOH w/ CCL. PU 1 jnt & 2' sub to get to depth. That put top shot @ TP @ 12431' with Pkr compression factored in. ND BOP & set Pkr @ 12349' w/ 15 pnts of compression. NU flow tree. Stake down line coming off choke & got ready to flow. Opened master & dropped bar. Shut master back. Took 7 mins to fall & set off guns. Waited for 20 mins. Opened choke - tubing was on vac. SWI & SDON. Perfs shot - 12431 - 12440' - 6 SPF - 55 holes 12448 - 12457' - 6 SPF - 55 holes	12.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 6-49 #4

Report #: 27 Daily Operation: 10/18/2012 06:00 - 10/18/2012 18:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 95	Days on Location (days) 24	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig PIONEER WELL SERVICE, 20	
Operations Summary RU acid trucks. Tested lines.						
Remarks						

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well. Tubing still on vac. Engineering consulted. RU acid trucks. Tested lines to 5K & went on water & got rate of 1.6 bbls/min @ 2380# & form broke w/ 7 bbls gone. Went on acid. Pumped 5000 gals of 15% HCL w/ NEFE package. Got 5.5 bbls/min @ 3900# before acid hit form. Pressure on the decrease - kept trying to increase rate, but pump kept kicking out of 4th. Stayed in 3rd & got 6 to 6.4 bbls/min thru out w/ pressure staying around 3000#. Overflushed BP by 10 bbls. ISIP = 870# / 5 mins = 730# / 10 mins = 630# / 15 mins = 560#. RD acid truck. Waited 30 mins & opened well up to pit. Flowed back about 5 bbls of water in 1.5 hrs & flowed off. RU swab line & RIH w/ swab line. Tagged fluid @ surface. Made 8 runs & recovered 50 bbls of water. Left fluid @ 900' f/s. SWI & SDON.	12.00

Report #: 28 Daily Operation: 10/19/2012 06:00 - 10/19/2012 18:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 96	Days on Location (days) 24	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig PIONEER WELL SERVICE, 20	
Operations Summary FL @ 600'.						
Remarks						

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	OPEN WELL ON VAC. RU SWAB LINE. TAG FLUID WHERE WE LEFT IT @ 900'. COMMENCE SWABBING. MADE 26 RUNS & RECOVERED 150 BBLs. STARTED GETTING SOME OIL & GAS BACK ON LAST 4 RUNS. LEFT FL @ 600'. SDON.	12.00

Report #: 29 Daily Operation: 10/22/2012 06:00 - 10/22/2012 18:00

Job Category ORIG DRILL & COMPLETE			Primary Job Type ODR & OCM			AFE Number 024085
Days From Spud (days) 99	Days on Location (days) 25	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig PIONEER WELL SERVICE, 20	
Operations Summary FLOW BACK 100% OIL FOR A WHILE.						
Remarks						

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well - 460# pressure. Opened to pit on 16/64" choke. Flowed back 100% oil for awhile. After an hr, pressure dropped to 160#. Changed choke size to 12/64". Flowed back another 25 bbls & well died. RU swab & started swabbing. Tagged fluid 100' f/s. Made 10 runs & recovered another 70 bbls. Left fluid level @ 700' f/s. SWI & SDON. Recovered oil & took to battery.	12.00

Report #: 30 Daily Operation: 10/23/2012 06:00 - 10/23/2012 18:00

Job Category ORIG DRILL & COMPLETE				Primary Job Type ODR & OCM		AFE Number 024085	
Days From Spud (days) 100	Days on Location (days) 25	End Depth (ftKB) 12,555.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 9.30	Rig PIONEER WELL SERVICE, 20		
Operations Summary ND FLOW TREE & NU BOP.							
Remarks							

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well - 300# pressure. Engineering decided to put well on pump. Opened to pit wide open & let well flow down. Flowed back about 25 bbls & died. Had to WO b/w for 3 hrs. Pumped 40 bbls of b/w on tubing. ND flow tree & NU BOP. Unset Pkr & started out of the hole. LD 10 jnts & stood back 142 stands. Left 100 jnts in the hole & SDON.	12.00

Report #: 31 Daily Operation: 10/24/2012 06:00 - 10/24/2012 18:00

Job Category			Primary Job Type			AFE Number
ORIG DRILL & COMPLETE			ODR & OCM			024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	PIONEER WELL SERVICE, 20
101	26	12,555.0		9.30		
Operations Summary						
START RUNNING PROD TBG.						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 6-49 #4

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well - 50#. Bled off to pit. POOH w/ the rest of the tubing. LD PKR & stim guns. PU BHA & start running production tubing. PU 10 jnts of Enduralloy & ran tubing 371 jnts from the derrick & got on depth @ 12319'. ND BOP & attempt to set TAC. Worked on it for 2 hrs, but c/n get it to set. Pumped some water on the BS & put the tongs on the tubing. Tried 1 jnt out. No success. NU BOP & SDON.	12.00

Report #: 32 Daily Operation: 10/25/2012 06:00 - 10/25/2012 18:00

Job Category	Primary Job Type	AFE Number
ORIG DRILL & COMPLETE	ODR & OCM	024085
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
102	26	12,555.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
	9.30	PIONEER WELL SERVICE, 20

Operations Summary
CHANGED TAC, GOT TOOLS READY TO PU RODS.

Remarks

Time Log Summary

Operation	Com	Dur (hr)
CLNOUT	Open well - 30#. Bled off to pit. POOH w/ tubing & changed out TAC. Ran tubing back in & set TAC right off. Set it w/ 20 pnts on it. ND BOP & FU WH. Got ready to PU rods & SWI & SDON.	12.00
Costs:		

WELL DETAILS

Well Name	API/UWI	Operator
UNIVERSITY 6-49 #4	42-003-44365-0000	PIONEER NATURAL RESRC USA, INC

Wellbore Hole Size

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
Surface	11	20.0	1,740.0	7/15/2012	7/16/2012
Production	7 7/8	1,740.0	12,555.0	7/17/2012	7/30/2012

Surface Casing

Set Depth (ftKB)	Run Date	Centralizers						
1,735.0	7/16/2012	11						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints	8 5/8	7.921	32.00	J-55	1,713.95	42	20.0	1,734.0
Texas Pattern Shoe	9 1/8	8.625	32.00	J-55	1.00	1	1,734.0	1,735.0

Surface Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftKB)	Btm (ftKB)
Casing	Surface, 1,735.0ftKB	7/17/2012	7/17/2012	SCHLUMBERGER	20.0	1,735.0
Class	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)			
Class C Poz	480	1.92	12.80			
Class	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)			
Class C	170	1.34	14.80			

Production Casing

Set Depth (ftKB)	Run Date	Centralizers						
12,447.0	8/1/2012	47						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints	5 1/2	4.778	20.00	L-80	4,286.53	102	20.0	4,306.5
Ryte Wrap	5 1/2	4.892	20.00	L-80	4,038.51	95	4,306.5	8,345.0
Casing Joints	5 1/2	4.778	20.00	L-80	214.51	5	8,345.0	8,559.6
MKR JNT	5 1/2	4.892	20.00	L-80	12.63	1	8,559.6	8,572.2
Casing Joints	5 1/2	4.778	20.00	L-80	3,860.02	91	8,572.2	12,432.2
FLOAT COLLAR	5 1/2				1.00		12,432.2	12,433.2
SHOE JOINT	5 1/2	4.892	20.00	L-80	12.80	1	12,433.2	12,446.0
FLOAT SHOE	5 1/2				1.00		12,446.0	12,447.0

Production Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftKB)	Btm (ftKB)
Casing	Production, 12,447.0ftKB	8/1/2012	8/1/2012	SCHLUMBERGER	7,631.0	12,447.0
Class	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)			
LITECRETE	960	1.97	10.68			
Class	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)			
50/50 POZ/H	540	1.37	10.68			

Cement Squeeze

Description	Type	String	Cementing Start Date	Cementing End Date	Top (ftKB)	Btm (ftKB)
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Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 6-49 #4

Amount (sacks)		Yield (ft ³ /sack)		Dens (lb/gal)		
Perforations						
Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com	
Completion (FRAC) Details						
<typ> on <dtm>						
Date	Type	Zone	Stim/Treat Company		Min Top Depth (ftKB) Max Btm Depth (ftKB)	
GEL						
Fluid Name			Total Water/Clean Volume (bbl)			
SAND & ACID						
Additive		Type	Amount	Units	Sand Size Concentration...	
Zones						
Zone Name				Top (ftKB)		
San Andres						
Dean						
Lower Spraberry						
Upper Wolfcamp						
Middle Wolfcamp						
Lower Wolfcamp						
Middle Spraberry						
Tubing Details						
Tubing Description			Set Depth (ftKB)	Run Date		
Tubing Components						
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts Top (ftKB) Btm (ftKB)	
Rod Strings						
Rod Description			Set Depth (ftKB)	Run Date		
Rod Components						
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts Top (ftKB) Btm (ftKB)	Make Model SN
Well Tests						
Description			Volume Oil Total (bbl)	Volume Gas Total (MCF)	Volume Water Total (bbl)	
Start Date	End Date	Sz Dia Choke (in)	P Tub End (psi)	P Cas End (psi)	Com Vol Oil Tot (bbl) Vol Gas Tot (MCF) Vol Water Tot (bbl)	
Directional Survey						
Date		Description				
7/16/2012		MAIN HOLE SURVEY				
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
7/16/2012	491.00	0.00		491.00	0.00	
7/16/2012	984.00	1.40		983.95	6.02	
7/17/2012	1,484.00	0.30		1,483.92	13.44	
7/17/2012	1,740.00	0.70		1,739.92	15.67	
7/19/2012	2,271.00	0.40		2,270.92	20.77	
7/19/2012	2,722.00	0.20		2,721.91	23.13	
7/19/2012	3,275.00	0.10		3,274.91	24.58	
7/19/2012	3,773.00	0.50		3,772.91	27.19	
7/19/2012	4,274.00	0.50		4,273.89	31.56	
7/20/2012	4,774.00	0.50		4,773.87	35.92	
7/20/2012	5,242.00	1.30		5,241.86	43.27	
7/20/2012	5,773.00	0.20		5,772.82	50.22	
7/20/2012	6,274.00	0.20		6,273.82	51.97	
7/20/2012	6,750.00	0.50		6,749.82	54.88	
7/20/2012	7,274.00	0.20		7,273.82	58.08	
7/22/2012	7,740.00	1.00		7,739.80	62.96	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 6-49 #4

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
7/22/2012	8,250.00	0.50		8,249.80	69.64	
7/23/2012	8,776.00	1.10		8,775.79	76.98	
7/23/2012	9,275.00	0.50		9,274.78	83.95	
7/23/2012	9,775.00	0.50		9,774.76	88.31	
7/25/2012	9,935.00	1.20		9,934.75	90.69	
7/26/2012	10,400.00	0.90		10,399.75	99.21	
7/26/2012	10,900.00	0.70		10,899.75	106.19	
7/27/2012	11,438.00	0.20		11,437.74	110.41	
7/28/2012	11,895.00	0.60		11,894.74	113.60	
7/29/2012	12,000.00	1.50		11,999.74	115.53	
7/30/2012	12,500.00	1.40		12,499.74	128.18	