

PIONEER

NATURAL RESOURCES

Well Chronology Report with Time Log Summary

Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY			Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00

Report Date: 1/11/2011				
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 1	Days on Location (days) 1	End Depth (ftKB) 564.0	End Depth (TVD) (ftKB) 564.0	Last Mud Check Density (lb/gal)
Cum Field Est To Date (Cost) 214,070.00		Daily Field Est Total (Cost) 214,070.00		

Operations Summary
DRLG, REPAIR RIG, DRLG, SURVEY, DRLG, CIRC, DROP TOTCO, TOH, RU & RUN 8-5/8" CSG, CIRC, CEMENT CSG, WOC

Remarks
SPUD 11" HOLE @ 6:00 A.M. 1-10-2011. TD'D 11" HOLE @ 2:15 P.M. 1-10-2011.

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 1.00
Comment REPAIR RIG	Duration (hr) 1.00
Comment DRILLING	Duration (hr) 2.25
Comment SURVEY @ 242'	Duration (hr) 0.25
Comment DRILLING	Duration (hr) 3.75
Comment CIRC & COND HOLE, DROP TOTCO	Duration (hr) 0.50
Comment TOH, LD 1 - 8" DC	Duration (hr) 1.50
Comment RU DOUBLE D CSG CREW	Duration (hr) 0.50
Comment RUN 14 JTS 8-5/8" CSG & SET @ 564' W/ 5 CENTRALIZERS	Duration (hr) 1.00
Comment CIRC & COND HOLE, RD CSG CREW	Duration (hr) 0.75
Comment RU SCHLUMBERGER CEMENTERS	Duration (hr) 0.50
Comment CEMENT 8-5/8" CSG W/ 350 SXS CLASS 'C'	Duration (hr) 0.50
Comment WOC	Duration (hr) 10.50
Comment WOC	Duration (hr) 1.50
Comment NU & TEST BOP	Duration (hr) 2.50
Comment M/U BHA #2 & TIH	Duration (hr) 1.50
Comment TEST PIPE RAMS & ANNULAR	Duration (hr) 0.50

Report Date: 1/12/2011				
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 2	Days on Location (days) 2	End Depth (ftKB) 2,086.0	End Depth (TVD) (ftKB) 2,086.0	Last Mud Check Density (lb/gal) 8.90
Cum Field Est To Date (Cost) 233,586.00		Daily Field Est Total (Cost) 19,516.00		

Operations Summary
WOC, NU & TEST BOP, TIH, TEST PIPE RAMS, REAM TO BT, DRLG, SERVICE RIG, DRLG, SURVEY, DRLG, SURVEY, DRLG

Remarks	
30 Hr Time Log Summary	
Comment WOC	Duration (hr) 1.50
Comment NU & TEST BOP	Duration (hr) 2.50
Comment M/U BHA #2 & TIH	Duration (hr) 1.50
Comment TEST PIPE RAMS & ANNULAR	Duration (hr) 0.50
Comment REAM TO BTM, TAG CMT @ 524'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 3.00
Comment SERVICE RIG	Duration (hr) 0.50

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Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY			Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00

30 Hr Time Log Summary	
Comment DRILLING	Duration (hr) 2.00
Comment SURVEY @ 1007'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 4.00
Comment SURVEY @ 1480'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 5.25
Comment SURVEY @ 1980'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 1.25
Comment DRILLING	Duration (hr) 5.50
Comment SURVEY @ 2420'	Duration (hr) 0.50

Report Date: 1/13/2011				
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 3	Days on Location (days) 3	End Depth (ftKB) 3,350.0	End Depth (TVD) (ftKB) 3,350.0	Last Mud Check Density (lb/gal) 8.90
Cum Field Est To Date (Cost) 247,854.00		Daily Field Est Total (Cost) 14,268.00		

Operations Summary DRLG, SURVEY, DRLG, SERVICE RIG, DRL, SURVEY, DRLG
Remarks

30 Hr Time Log Summary	
Comment DRILLING	Duration (hr) 5.50
Comment SURVEY @ 2420'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 4.00
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 2.25
Comment SURVEY @ 2935'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 4.25
Comment SURVEY @ 2989'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 6.00
Comment DRILLING	Duration (hr) 5.25
Comment SURVEY @ 3495'	Duration (hr) 0.25
Comment DRILLING	Duration (hr) 2.75

Report Date: 1/14/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		Rig (Names) PATTERSON - UTI 73	
		AFE Number 019174		Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 4		Days on Location (days) 4		End Depth (ftKB) 4,642.0	
				End Depth (TVD) (ftKB) 4,642.0	
				Last Mud Check Density (lb/gal) 8.90	
Cum Field Est To Date (Cost) 267,423.00			Daily Field Est Total (Cost) 19,569.00		

Operations Summary DRLG, SURVEY, DRLG, SERVICE RIG, DRLG, SURVEY, DRLG
Remarks

30 Hr Time Log Summary	
Comment DRILLING	Duration (hr) 5.25
Comment SURVEY @ 3495'	Duration (hr) 0.25

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Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	Wi (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY			Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 2.75
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 3.25
Comment SURVEY @ 3972'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 8.75
Comment SURVEY @ 4472'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 2.25
Comment DRILLING	Duration (hr) 4.75
Comment SURVEY @ 4948'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 3.25

Report Date: 1/15/2011

Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 5	Days on Location (days) 5	End Depth (ftKB) 6,045.0	End Depth (TVD) (ftKB) 6,045.0	Last Mud Check Density (lb/gal) 8.90
Cum Field Est To Date (Cost) 281,326.00		Daily Field Est Total (Cost) 13,903.00		

Operations Summary
DRLG, SURVEY, DRLG, SERVICE RIG, DRLG, SURVEY, DRLG

Remarks

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 4.75
Comment SURVEY @ 4948'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 3.25
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 4.75
Comment SURVEY @ 5420'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 7.25
Comment SURVEY @ 5893'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 2.00
Comment DRILLING	Duration (hr) 4.25
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 1.00
Comment SERVICE RIG	Duration (hr) 0.50

Report Date: 1/16/2011

Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 6	Days on Location (days) 6	End Depth (ftKB) 7,270.0	End Depth (TVD) (ftKB) 7,270.0	Last Mud Check Density (lb/gal) 9.00
Cum Field Est To Date (Cost) 295,272.00		Daily Field Est Total (Cost) 13,946.00		

Operations Summary
DRLG, SERVICE RIG, DRLG, SURVEY, DRLG, RIG REPAIR, DRLG, SURVEY, DRLG

Remarks

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Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY		Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00	

30 Hr Time Log Summary	
Comment DRILLING	Duration (hr) 4.25
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 1.00
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 1.25
Comment CHANGE OUT AIR COMP ON DRAW WORKS	Duration (hr) 0.75
Comment DRILLING	Duration (hr) 7.25
Comment SURVEY @ 6840'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 8.00
Comment DRILLING	Duration (hr) 1.50
Comment SURVEY @ 7316'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 6.25

Report Date: 1/17/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 7	Days on Location (days) 7	End Depth (ftKB) 8,019.0	End Depth (TVD) (ftKB) 8,019.0	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 324,011.00		Daily Field Est Total (Cost) 28,739.00			

Operations Summary
DRLG, SURVEY, DRLG, SERVICE RIG, DRLG, CIRC, DROP TOTCO, TOH FOR BIT

30 Hr Time Log Summary	
Comment DRILLING	Duration (hr) 1.50
Comment SURVEY @ 7316'	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 6.25
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 7.50
Comment CIRC & COND HOLE FOR BIT TRIP	Duration (hr) 1.00
Comment DROP TOTCO	Duration (hr) 0.50
Comment TOH FOR BIT #2, LD TRI & SQUARE DC'S	Duration (hr) 6.25
Comment SLIP & CUT DRLG LINE	Duration (hr) 2.00
Comment TIH W/ BIT #3 TO 3500'	Duration (hr) 2.25
Comment CIRC	Duration (hr) 1.50
Comment TIH TO 6500'	Duration (hr) 1.00

Report Date: 1/18/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		Rig (Names) PATTERSON - UTI 73	
		AFE Number 019174		Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 8		Days on Location (days) 8		End Depth (ftKB) 8,525.0	
				End Depth (TVD) (ftKB) 8,524.9	
				Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 347,463.00			Daily Field Est Total (Cost) 23,452.00		

Operations Summary
CUTDL, TIH, CIRC, TIH, CIRC, TIH, WTB, DRLG

Remarks

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County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY	Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00		

30 Hr Time Log Summary

Comment SLIP & CUT DRLG LINE	Duration (hr) 2.00
Comment TIH W/ BIT #3 TO 3500'	Duration (hr) 2.25
Comment CIRC	Duration (hr) 1.50
Comment TIH TO 6500'	Duration (hr) 1.00
Comment CIRC	Duration (hr) 0.50
Comment TIH	Duration (hr) 1.50
Comment WASH & REAM 120' TO BTM	Duration (hr) 0.75
Comment DRILLING	Duration (hr) 14.50
Comment DRILLING	Duration (hr) 10.00

Report Date: 1/19/2011

Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 9	Days on Location (days) 9	End Depth (ftKB) 9,530.0	End Depth (TVD) (ftKB) 9,529.8	Last Mud Check Density (lb/gal) 9.00
Cum Field Est To Date (Cost) 361,304.00	Daily Field Est Total (Cost) 13,841.00			

Operations Summary
DRLG, SURVEY, DRLG

Remarks

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 10.00
Comment SURVEY @ 8960'	Duration (hr) 0.25
Comment DRILLING	Duration (hr) 13.25
Comment SURVEY @ 9449'	Duration (hr) 0.25
Comment DRILLING	Duration (hr) 0.25
Comment DRILLING	Duration (hr) 6.50

Report Date: 1/20/2011

Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 10	Days on Location (days) 10	End Depth (ftKB) 10,156.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 8.90
Cum Field Est To Date (Cost) 376,769.00	Daily Field Est Total (Cost) 15,465.00			

Operations Summary
DRLG, SERVICE RIG, DRLG

Remarks

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 6.50
Comment SERVICE RIG	Duration (hr) 0.50
Comment DRILLING	Duration (hr) 17.00
Comment DRILLING	Duration (hr) 6.75

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Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	Wf (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY			Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00

Report Date: 1/21/2011				
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 11	Days on Location (days) 11	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00
Cum Field Est To Date (Cost) 390,889.00		Daily Field Est Total (Cost) 14,120.00		

Operations Summary
DRLG, CIRC, DROP TOTCO, LDDP & DC'S & KELLY, RU CSG CREW, RUN 4-1/2" CSG, CIRC, W/O SCHLUMBERGER

Remarks
TD 7-7/8" HOLE @ 12:45 PM ON 1/20/11.

30 Hr Time Log Summary

Comment DRILLING	Duration (hr) 6.75
Comment CIRCULATE	Duration (hr) 2.00
Comment DROP TOTCO	Duration (hr) 0.50
Comment LDDP & DC'S & KELLY .50	Duration (hr) 9.00
Comment RU CSG CREW	Duration (hr) 0.50
Comment RUN 241 JTS 4-1/2" CSG & SET @ 10,290' W/ 28 CENTRALIZERS	Duration (hr) 4.75
Comment CIRC-WAIT ON SCHLUMBERGER	Duration (hr) 0.50
Comment W/O SCHLUMBERGER CEMENTERS	Duration (hr) 4.00
Comment RU SCHLUMBERGER	Duration (hr) 1.50
Comment CEMENT 4-1/2" CSG W/ 1,590 SXS TXI LIGHTWEIGHT	Duration (hr) 2.50

Report Date: 1/22/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM	Rig (Names) PATTERSON - UTI 73	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 12	Days on Location (days) 12	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 649,297.00			Daily Field Est Total (Cost) 258,408.00		

Operations Summary
W/O CEMENTERS, RU & CEMENT 4-1/2" CSG, WOC, RELEASE RIG, RDMORT

Remarks
RYTE-WRAP FROM 6465' TO 3448'. NO FRAC RING. MARKER JT FROM 6685' TO 6676'. PBTD @ 10,275'. RELEASED RIG @ 6:00 P.M. 1-21-11.

30 Hr Time Log Summary

Comment W/O SCHLUMBERGER CEMENTERS	Duration (hr) 4.00
Comment RU SCHLUMBERGER	Duration (hr) 1.50
Comment CEMENT 4-1/2" CSG W/ 1,590 SXS TXI LIGHTWEIGHT	Duration (hr) 2.50
Comment WOC, ND BOP, SET SLIPS, RELEASE RIG	Duration (hr) 4.00
Comment RDMORT	Duration (hr) 12.00

PIONEER

NATURAL RESOURCES

Well Chronology Report with Time Log Summary

Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY	Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00		

Report Date: 5/9/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		Rig (Names) BAKER 1	
				AFE Number 019174	
Total AFE Amount (Cost)		1,451,400.00			
Days From Spud (days) 120		Days on Location (days) 12		End Depth (ftKB) 10,290.0	
				End Depth (TVD) (ftKB)	
Last Mud Check Density (lb/gal)		9.00			
Cum Field Est To Date (Cost) 649,297.00			Daily Field Est Total (Cost)		

Operations Summary
BAKER RAN GR/N/CCL. DATUM ELEV 2667 GL 2682 KB
LOG TOP U. SPBY 6450 (-3768)
LOG TOP L. SPBY 7028 (-4346)
LOG TOP DEAN 7837 (-5155)
BASE DEAN 8020 (-5338)
PBTD 10275
TD 10290
FR N/A

TDC @ 2900'

SPOTTED ACID W/ WIRELINE DUMP BAILER
PERF'D LOWER WOLF INTERVAL W/ 3 SPF @ (60 HOLES). 9978-9982, 10010-10014, 10059-10063, 10094-10098
BREAK DOWN LOWER WOLF PERFS W/ 3000 GAL 15% HCL ACID. BDP 3917 PSI.
SD FRAC LOWER WOLF W/ 129,654 GALS 10# LINEAR GEL & 61,382# 20/40 TEXAS GOLD SAND. SPOT 1500 GAL 15% HCL ACID ACROSS 1ST MIDDLE WOLF INTERVAL ON FLUSH. MAX RATE 67 BPM @ 6244 PSIG. ISIP - 3450.

SET SOLID COMPOSITE PLUG @ 9912'.
PERF'D 1ST MIDDLE WOLF INTERVAL W/ 3 SPF @ 9778-9782, 9804-9808, 9847-9851 & 9868-9872 (60 HOLES).
BREAK DOWN 1ST MIDDLE WOLF PERFS W/ SPOT ACID, 15% HCL ACID. BDP 3608 PSI. 55 GALS OF BJ SCALE INHIBITOR.
SD FRAC 1ST MIDDLE WOLF W/ 146,580 GALS 10# LINEAR GEL & 68,150 # 20/40 NWS SAND. SPOT 1500 GAL 15% HCL ACID ACROSS 2ND MIDDLE WOLF INTERVAL ON FLUSH. MAX RATE 66 BPM @ 6400 PSIG. ISIP - .

Remarks
NO PLUG SET
PERF'D 2ND MIDDLE WOLF INTERVAL W/ 3 SPF @ 8785-8789, 8826-8830, 8882-8886 & 8935-8939 (60 HOLES).
BREAK DOWN 2ND MIDDLE WOLF PERFS W/ SPOT ACID, 15% HCL ACID. BDP PSI.
SD FRAC 2ND MIDDLE WOLF W/ 2520 GALS 10# LINEAR GEL & # 20/40 NWS SAND. SPOT 1500 GAL 15% HCL ACID ACROSS 3RD MIDDLE WOLF INTERVAL ON FLUSH.
MAX RATE 3 BPM @ 6500 PSIG. ISIP - .

SET NO PLUG.
PERF'D 3RD MIDDLE WOLF INTERVAL W/ 3 SPF @ 8486-8490, 8558-8562 & 8670-8674. (60 HOLES).
BREAK DOWN 3RD MIDDLE WOLF PERFS W/ SPOT ACID, 15% HCL ACID. BDP 5252 PSI. 55 GALS OF BJ SCALE INHIBITOR.
SD FRAC 3RD MIDDLE WOLF W/ 172,854 GALS 10# LINEAR GEL & 134,944 # 20/40 NWS SAND. SPOT 1500 GAL 15% HCL ACID ACROSS UPPER WOLF INTERVAL ON FLUSH. MAX RATE 71 BPM @ 5894 PSIG. ISIP - 2829.

SET SOLID COMPOSITE PLUG @ 8410'.
PERF'D UPPER WOLF INTERVAL W/ 3 SPF @ 8150-8154, 8198-8203, 8266-8270 & 8348-8352 (63 HOLES).
BREAK DOWN UPPER WOLF PERFS W/ SPOT ACID, 15% HCL ACID. BDP 3075 PSI.
SD FRAC UPPER WOLF W/ 192,498 GALS 10# LINEAR GEL & 146,218 # 20/40 NWS SAND. SPOT 1500 GAL 15% HCL ACID ACROSS DEAN INTERVAL ON FLUSH.
MAX RATE 66 BPM @ 6196 PSIG. ISIP - 1598.

SET SOLID COMPOSITE PLUG @ 8005'.
PERF'D DEAN INTERVAL W/ 3 SPF @ 7888-7892 & 7965-7969 (30 HOLES).
BREAK DOWN DEAN PERFS W/ SPOT ACID, 15% HCL ACID. BDP 2004 PSI.
SD FRAC DEAN W/ 70,614 GALS 15# XLINK GEL & 149,742 # 20/40 NWS SAND. SPOT 1500 GAL 15% HCL ACID ACROSS LOWER SPBY INTERVAL ON FLUSH.
MAX RATE 51 BPM @ 3790 PSIG. ISIP - 1635.

FRAC CONTINUED ON 5/10/2011

30 Hr Time Log Summary

Comment	Duration (hr)
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County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY					

Report Date: 5/10/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		Rig (Names) BAKER 1	
				AFE Number 019174	
Total AFE Amount (Cost)		1,451,400.00			
Days From Spud (days) 121		Days on Location (days) 12		End Depth (ftKB) 10,290.0	
				End Depth (TVD) (ftKB)	
Last Mud Check Density (lb/gal)		9.00			
Cum Field Est To Date (Cost) 1,320,053.00			Daily Field Est Total (Cost) 670,756.00		

Operations Summary

FRAC CONTINUED FROM 5/9/11

NO PLUG SET.

PERF'D LOWER SPBY INTERVAL W/ 3 SPF @ 7340-7344 & 7436-7440 (30 HOLES).

BREAK DOWN LOWER SPBY PERFS W/ SPOT ACID, 15% HCL ACID. BDP 1093 PSI. 1 DRUM SCALE INHIBITOR IN PAD.

SD FRAC LOWER SPBY INTERVAL W/ 78,006 GALS 18# XLINK GEL & 161,898# 20/40 NWS/BDY SAND. SPOT 1500 GAL 15% HCL ACID ACROSS MIDDLE SPBY INTERVAL ON FLUSH.

MAX RATE 51 BPM @ 2906 PSIG. ISIP - 981.

SET SOLID COMPOSITE PLUG @ 7258'.

PERF'D MIDDLE SPBY INTERVAL W/ 3 SPF @ (48 HOLES). *7053-7057, 7086-7090, 7175-7179, 7214-7218*

BREAK DOWN MIDDLE SPBY PERFS W/ SPOT ACID, 15% HCL ACID. BDP 941 PSI. 1 DRUM SCALE INHIBITOR IN PAD.

SD FRAC MIDDLE SPBY INTERVAL W/ 68,388 GALS 18# XLINK GEL & 135,593 # 20/40 BRADY SAND. SPOT 1500 GAL 15% HCL ACID ACROSS UPPER SPBY INTERVAL ON FLUSH.

MAX RATE 51 BPM @ 2401 PSIG. ISIP - 946.

SET SOLID COMPOSITE PLUG @ 6700.

PERF'D UPPER SPBY INTERVAL W/ 3 SPF @ (30 HOLES). *6468-6472, 6608-6612*

BREAK DOWN UPPER SPBY PERFS W/ SPOT ACID, 15% HCL ACID. BDP 1890 PSI. 1 DRUM SCALE INHIBITOR IN PAD. SD FRAC UPPER SPBY W/ 67,200 GALS 18# XLINK GEL & 155,616 # 20/40 BRADY SAND.

MAX RATE 51 BPM @ 2928 PSIG. ISIP - 721.

TBLWTR - 24,917 BBLs

Remarks

30 Hr Time Log Summary

Comment					Duration (hr)
Report Date: 5/17/2011					
Job Category	Primary Job Type	Rig (Names)	AFE Number	Total AFE Amount (Cost)	
ORIG DRILL & COMPLETE	ODR & OCM	BAKER 1, PIONEER WELL SERVICE 1	019174	1,451,400.00	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal)	
128	13	10,290.0		9.00	
Cum Field Est To Date (Cost)		Daily Field Est Total (Cost)			
1,322,003.00		1,950.00			

Operations Summary

MIRU. ND FRAC VALVE, INSTALL WH & BOP.

Remarks

30 Hr Time Log Summary

Comment	Duration (hr)
MIRU. ND FRAC VALVE, INSTALL WH & BOP. READY TO RUN BIT & TBG.	12.00

Report Date: 5/18/2011

Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1, PIONEER WELL SERVICE 1	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00
Days From Spud (days) 129	Days on Location (days) 13	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00
Cum Field Est To Date (Cost) 1,329,123.00		Daily Field Est Total (Cost) 7,120.00		

Operations Summary

DRILL PLUGS @ 6700' & 7258'.

Remarks

30 Hr Time Log Summary

Comment	Duration (hr)
RIH W/ 3 7/8" BEAR CLAW BIT, TBG TO 6686', TAG SAND, WASH TO 6700'. RIH TO 7220', TAG SAND, DRILL ON PLUG FOR 30 MIN. CIRC HOLE CLEAN, POOH ABOVE PERFS. SDFN.	12.00

PIONEER

NATURAL RESOURCES

Well Chronology Report with Time Log Summary

Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY		Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00	

Report Date: 5/19/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1, PIONEER WELL SERVICE 1	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 130	Days on Location (days) 14	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 1,337,247.00		Daily Field Est Total (Cost) 8,124.00			
Operations Summary DRILL PLUGS @ 8005' & 8410'.					
Remarks					

30 Hr Time Log Summary

Comment RIH TO 7528', CHASE PLUG TO 7960', TAG SAND, DRILL & WASH TO 8005', DRILL PLUG. RIH TO 8360', TAG SAND, WASH TO 8410', DRILL OUT PLUG. RIH TO 8425', CIRC HOLE CLEAN, POOH ABOVE PERFS. SDFN.	Duration (hr) 12.00
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Report Date: 5/20/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1, PIONEER WELL SERVICE 1	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 131	Days on Location (days) 14	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 1,346,467.00		Daily Field Est Total (Cost) 9,220.00			
Operations Summary DRILL & WASH SAND TO 9900', CN MAKE MORE HOLE.					
Remarks					

30 Hr Time Log Summary

Comment RIH TO 9876', DRILL & WASH SAND TO 9900', C/N MAKE MORE HOLE. POOH W/ TBG & BIT. BIT CENTER HAD BRASS MARKINGS ON IT. CHANGE OUT BIT, RIH W/ 3 7/8" ROCK BIT TO 6200'. SDFN.	Duration (hr) 12.00
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Report Date: 5/21/2011					
Job Category ORIG DRILL & COMPLETE		Primary Job Type ODR & OCM		Rig (Names) BAKER 1, PIONEER WELL SERVICE 1	
				AFE Number 019174	
				Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 132		Days on Location (days) 15		End Depth (ftKB) 10,290.0	
				End Depth (TVD) (ftKB) 9.00	
Last Mud Check Density (lb/gal)					
Cum Field Est To Date (Cost) 1,352,657.00		Daily Field Est Total (Cost) 6,190.00			
Operations Summary DRILL PLUG @ 9900'.					
Remarks					

30 Hr Time Log Summary

Comment BLEED 500 PSI TO PIT IN 10 MIN. FINISH RIH W/ TBG TO 9900', DRILL PLUG. RIH TO 10176', WASH SAND TO 10275', CIRC HOLE CLEAN, CIRC W/ 10# BRINE. POOH ABOVE PERFS. SDFN	Duration (hr) 12.00
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Report Date: 5/23/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1, PIONEER WELL SERVICE 1	AFE Number 019174	Total AFE Amount (Cost)	1,451,400.00
Days From Spud (days) 134	Days on Location (days) 15	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost)		1,358,204.00	Daily Field Est Total (Cost)		5,547.00
Operations Summary RIH W/ PROD STRING. SET TAC, HOOK UP WH.					
Remarks					

30 Hr Time Log Summary

Comment KILL WELL W/ 90 BBLS BRINE WATER. POOH W/ TBG & BIT. RIH W/ PROD TBG, SET TAC, HOOK UP WH. READY TO RUNS RODS. SDFN.	Duration (hr) 12.00
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PIONEER

NATURAL RESOURCES

Well Chronology Report with Time Log Summary

Well Name UNIVERSITY 2-20 #6	Property Sub 927351-006	API/UWI 42-383-36972-0000	Operator PIONEER NATURAL RESRC USA, INC	WI (%)	Net Int (%)
County REAGAN	State TEXAS	Field Name SPRABERRY (TREND AREA)	Spud Date 1/10/2011		
Surface Legal Location 1980' FSL, 660' FEL, SEC 20, BLK 2, UNIVERSITY LANDS SURVEY	Spud Date 1/10/2011	Original KB Elevation (ft) 2,684.50	Ground Elevation (ft) 2,667.00		

Report Date: 5/24/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 135	Days on Location (days) 16	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 1,470,924.00	Daily Field Est Total (Cost) 112,720.00				

Operations Summary
RIH W/ PUMP & RODS. HWO, LOADED TBG TO 500#. RDMO

Remarks
TUBING DETAIL:

154-2 3/8" TBG
50-2 3/8" IPC TBG
1- 2 3/8" SN @ 6346
1- 2 3/8" SSN
1- 4 1/2" TAC
1- 2 7/8" MMA
1- 2 3/8" MMA

ROD DETAIL:

3- 7/8" STEEL RODS
80- 1" FG RODS
105- 7/8" STEEL RODS
25- K-BARS
1- TK-90 ON/OFF TOOL
1- 2" X 1.25" X 20' PUMP
#PPT-3683

30 Hr Time Log Summary

Comment RIH W/ PUMP & RODS. HWO, LOADED TBG TO 500#. RDMO	Duration (hr) 12.00
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Report Date: 6/5/2011					
Job Category ORIG DRILL & COMPLETE	Primary Job Type ODR & OCM	Rig (Names) BAKER 1	AFE Number 019174	Total AFE Amount (Cost) 1,451,400.00	
Days From Spud (days) 146	Days on Location (days) 16	End Depth (ftKB) 10,290.0	End Depth (TVD) (ftKB)	Last Mud Check Density (lb/gal) 9.00	
Cum Field Est To Date (Cost) 1,470,924.00	Daily Field Est Total (Cost)				

Operations Summary
DAILY WELL TEST:
(AFTER COMPLETION)

5/25/11 - POP
5/26/11 - 17 BO, 200 BW & 14 MCF
5/27/11 - 70 BO, 160 BW & 89 MCF
5/28/11 - 62 BO, 426 BW & 156 MCF
5/29/11 - 27 BO, 469 BW & 143 MCF
5/30/11 - 0 BO, 0 BW & 0 MCF
5/31/11 - 20 BO, 8 BW & 15 MCF
6/1/11 - 140 BO, 128 BW & 59 MCF
6/2/11 - 96 BO, 240 BW & 234 MCF
6/3/11 - 112 BO, 200 BW & 151 MCF
6/4/11 - 168 BO, 200 BW & 167 MCF
6/5/11 - 120 BO, 166 BW & 203 MCF - IP WELL W/ 43.9 DEG. GRAVITY

Remarks
COMPLETION IP: 6/5/11 - 120 BO, 166 BW & 203 MCF - IP WELL W/ 43.9 DEG. GRAVITY

30 Hr Time Log Summary

Comment	Duration (hr)
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GAS/DIL RATIO = 1691
DIL PRODUCED = 712