

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:46...

Vertical schematic (actual)	Zone (Column list (actual)			
		Cat	Des	Top	To...

Perforations									
Stage Number 1	Date 4/21/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 19,261.0	Bottom Depth (ftKB) 19,328.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company Geo Dynamics		Conveyance Method		
Gun Description	Gun Size (in)	Chg Sz (g)	Shot Dens...	Shots Plan	Entered Sh...	Nom Hole...	Nom P...	Charge Type	Phasing (°)
Perforation Intervals									
Date	Com					Top (ftKB)	Btm (ftKB)		
4/21/2019	Toe sleeve					19,327.0	19,328.0		
4/21/2019	Toe sleeve					19,261.0	19,262.0		
Stage Number 1	Date 4/22/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 19,138.0	Bottom Depth (ftKB) 19,222.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES		Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 20	Entered Sh... 20	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)	Btm (ftKB)		
4/22/2019	Stage 1					19,221.0	19,222.0		
4/22/2019	Stage 1					19,200.0	19,201.0		
4/22/2019	Stage 1					19,179.0	19,180.0		
4/22/2019	Stage 1					19,158.0	19,159.0		
4/22/2019	Stage 1					19,138.0	19,139.0		
Stage Number 2	Date 4/22/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 18,925.0	Bottom Depth (ftKB) 19,113.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES		Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)	Btm (ftKB)		
4/22/2019	Stage 2					19,112.0	19,113.0		
4/22/2019	Stage 2					19,091.0	19,092.0		
4/22/2019	Stage 2					19,070.0	19,071.0		
4/22/2019	Stage 2					19,050.0	19,051.0		
4/22/2019	Stage 2					19,029.0	19,030.0		
4/22/2019	Stage 2					19,008.0	19,009.0		
4/22/2019	Stage 2					18,987.0	18,988.0		
4/22/2019	Stage 2					18,966.0	18,967.0		
4/22/2019	Stage 2					18,945.0	18,946.0		
4/22/2019	Stage 2					18,925.0	18,926.0		
Stage Number 3	Date 4/23/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 18,716.0	Bottom Depth (ftKB) 18,905.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES		Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)	Btm (ftKB)		
4/23/2019	Stage 3					18,904.0	18,905.0		
4/23/2019	Stage 3					18,883.0	18,884.0		
4/23/2019	Stage 3					18,862.0	18,863.0		
4/23/2019	Stage 3					18,841.0	18,842.0		
4/23/2019	Stage 3					18,820.0	18,821.0		
4/23/2019	Stage 3					18,799.0	18,800.0		
4/23/2019	Stage 3					18,779.0	18,780.0		
4/23/2019	Stage 3					18,758.0	18,759.0		
4/23/2019	Stage 3					18,737.0	18,738.0		
4/23/2019	Stage 3					18,716.0	18,717.0		

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:48...

Vertical schematic (actual)	Zone ()	Column list (actual)
		Cat Des Top To...
		Cas CONDU... 21. 21....
		Cas SURFACE 21. 21....
		Tub TUBING... 21. 21....
		Cas INTERM... 23. 23....
		Perf PERFOR... 8,9 8,5...
		Perf PERFOR... 9,1 8,6...
		Perf PERFOR... 9,3 8,6...
		Perf PERFOR... 9,5 8,6...
		Perf PERFOR... 9,7 8,6...
		Perf PERFOR... 9,9 8,6...
		Perf PERFOR... 10, 8,6...
		Perf PERFOR... 10, 8,6...
		Perf PERFOR... 10, 8,6...
		Perf PERFOR... 11, 8,6...
		Perf PERFOR... 11, 8,6...
		Perf PERFOR... 11, 8,6...
		Perf PERFOR... 12, 8,6...
		Perf PERFOR... 12, 8,6...
		Perf PERFOR... 12, 8,6...
		Perf PERFOR... 13, 8,5...
		Perf PERFOR... 13, 8,5...
		Perf PERFOR... 13, 8,5...
		Perf PERFOR... 14, 8,5...
		Perf PERFOR... 14, 8,5...
		Perf PERFOR... 14, 8,5...
		Perf PERFOR... 14, 8,5...
		Perf PERFOR... 15, 8,5...
		Perf PERFOR... 15, 8,5...
		Perf PERFOR... 15, 8,5...
		Perf PERFOR... 16, 8,6...
		Perf PERFOR... 16, 8,6...
		Perf PERFOR... 16, 8,6...
		Perf PERFOR... 17, 8,6...
		Perf PERFOR... 17, 8,6...
		Perf PERFOR... 17, 8,6...
		Perf PERFOR... 18, 8,6...

Perforations									
Stage Number 4	Date 4/23/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 18,508.0		Bottom Depth (ftKB) 18,696.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/23/2019	Stage 4					18,695.0		18,696.0	
4/23/2019	Stage 4					18,674.0		18,675.0	
4/23/2019	Stage 4					18,653.0		18,654.0	
4/23/2019	Stage 4					18,633.0		18,634.0	
4/23/2019	Stage 4					18,612.0		18,613.0	
4/23/2019	Stage 4					18,591.0		18,592.0	
4/23/2019	Stage 4					18,570.0		18,571.0	
4/23/2019	Stage 4					18,549.0		18,550.0	
4/23/2019	Stage 4					18,528.0		18,529.0	
4/23/2019	Stage 4					18,508.0		18,509.0	
Stage Number 5	Date 4/24/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 18,299.0		Bottom Depth (ftKB) 18,488.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/24/2019	Stage 5					18,487.0		18,488.0	
4/24/2019	Stage 5					18,466.0		18,467.0	
4/24/2019	Stage 5					18,445.0		18,446.0	
4/24/2019	Stage 5					18,424.0		18,425.0	
4/24/2019	Stage 5					18,403.0		18,404.0	
4/24/2019	Stage 5					18,382.0		18,383.0	
4/24/2019	Stage 5					18,362.0		18,363.0	
4/24/2019	Stage 5					18,341.0		18,342.0	
4/24/2019	Stage 5					18,320.0		18,321.0	
4/24/2019	Stage 5					18,299.0		18,300.0	
Stage Number 6	Date 4/25/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 18,091.0		Bottom Depth (ftKB) 18,279.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/25/2019	Stage 6					18,278.0		18,279.0	
4/25/2019	Stage 6					18,257.0		18,258.0	
4/25/2019	Stage 6					18,236.0		18,237.0	
4/25/2019	Stage 6					18,214.0		18,215.0	
4/25/2019	Stage 6					18,195.0		18,196.0	
4/25/2019	Stage 6					18,174.0		18,175.0	
4/25/2019	Stage 6					18,153.0		18,154.0	
4/25/2019	Stage 6					18,132.0		18,133.0	
4/25/2019	Stage 6					18,111.0		18,112.0	
4/25/2019	Stage 6					18,091.0		18,092.0	
Stage Number 7	Date 4/26/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 17,882.0		Bottom Depth (ftKB) 18,071.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/26/2019	Stage 7					18,070.0		18,071.0	

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Report Printed: 7/24/2019

Perforations

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Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:52...

Vertical schematic (actual)	Zone ()	Column list (actual)
	Cat	Des Top To...
	Cas	CONDU... 21. 21....
	Cas	SURFACE 21. 21....
	Tub	TUBING... 21. 21....
	Cas	INTERM... 23. 23....
	Perf	PERFOR... 8,9 8,5...
	Perf	PERFOR... 9,1 8,6...
	Perf	PERFOR... 9,3 8,6...
	Perf	PERFOR... 9,5 8,6...
	Perf	PERFOR... 9,7 8,6...
	Perf	PERFOR... 9,9 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 18, 8,6...

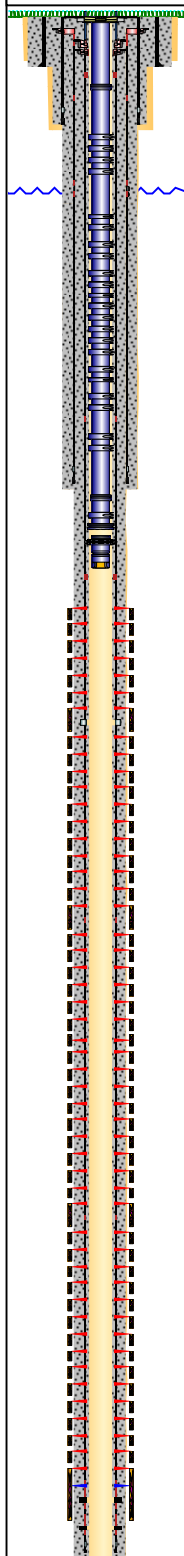
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
4/27/2019	Stage 10						17,277.0	17,278.0	
4/27/2019	Stage 10						17,257.0	17,258.0	
Stage Number 11	Date 4/28/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 17,048.0		Bottom Depth (ftKB) 17,237.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
4/28/2019	Stage 11						17,236.0	17,237.0	
4/28/2019	Stage 11						17,215.0	17,216.0	
4/28/2019	Stage 11						17,194.0	17,195.0	
4/28/2019	Stage 11						17,173.0	17,174.0	
4/28/2019	Stage 11						17,152.0	17,153.0	
4/28/2019	Stage 11						17,131.0	17,132.0	
4/28/2019	Stage 11						17,111.0	17,112.0	
4/28/2019	Stage 11						17,090.0	17,091.0	
4/28/2019	Stage 11						17,069.0	17,070.0	
4/28/2019	Stage 11						17,048.0	17,049.0	
Stage Number 12	Date 4/29/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 16,840.0		Bottom Depth (ftKB) 17,028.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
4/29/2019	Stage 12						17,027.0	17,028.0	
4/29/2019	Stage 12						17,006.0	17,007.0	
4/29/2019	Stage 12						16,985.0	16,986.0	
4/29/2019	Stage 12						16,965.0	16,966.0	
4/29/2019	Stage 12						16,944.0	16,945.0	
4/29/2019	Stage 12						16,923.0	16,924.0	
4/29/2019	Stage 12						16,902.0	16,903.0	
4/29/2019	Stage 12						16,881.0	16,882.0	
4/29/2019	Stage 12						16,860.0	16,861.0	
4/29/2019	Stage 12						16,840.0	16,841.0	
Stage Number 13	Date 4/29/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 16,631.0		Bottom Depth (ftKB) 16,820.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
4/29/2019	Stage 13						16,819.0	16,820.0	
4/29/2019	Stage 13						16,798.0	16,799.0	
4/29/2019	Stage 13						16,777.0	16,778.0	
4/29/2019	Stage 13						16,756.0	16,757.0	
4/29/2019	Stage 13						16,735.0	16,736.0	
4/29/2019	Stage 13						16,714.0	16,715.0	
4/29/2019	Stage 13						16,694.0	16,695.0	
4/29/2019	Stage 13						16,673.0	16,674.0	
4/29/2019	Stage 13						16,652.0	16,653.0	
4/29/2019	Stage 13						16,631.0	16,632.0	
Stage Number 14	Date 4/29/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 16,423.0		Bottom Depth (ftKB) 16,611.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:55...

Vertical schematic (actual)	Zone (Column list (actual)			
		Cat	Des	Top	To...
		Cas	CONDU...	21.	21....
		Cas	SURFACE	21.	21....
		Tub	TUBING...	21.	21....
		Cas	INTERM...	23.	23....
		Perf	PERFOR...	8,9	8,5...
		Perf	PERFOR...	9,1	8,6...
		Perf	PERFOR...	9,3	8,6...
		Perf	PERFOR...	9,5	8,6...
		Perf	PERFOR...	9,7	8,6...
		Perf	PERFOR...	9,9	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	18,	8,6...
		Perf	PERFOR...	18,	8,6...

Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/29/2019	Stage 14					16,610.0		16,611.0	
4/29/2019	Stage 14					16,589.0		16,590.0	
4/29/2019	Stage 14					16,568.0		16,569.0	
4/29/2019	Stage 14					16,548.0		16,549.0	
4/29/2019	Stage 14					16,527.0		16,528.0	
4/29/2019	Stage 14					16,506.0		16,507.0	
4/29/2019	Stage 14					16,485.0		16,486.0	
4/29/2019	Stage 14					16,464.0		16,465.0	
4/29/2019	Stage 14					16,443.0		16,444.0	
4/29/2019	Stage 14					16,423.0		16,424.0	
Stage Number 15	Date 4/30/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 16,214.0		Bottom Depth (ftKB) 16,403.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/30/2019	Stage 15					16,402.0		16,403.0	
4/30/2019	Stage 15					16,381.0		16,382.0	
4/30/2019	Stage 15					16,360.0		16,361.0	
4/30/2019	Stage 15					16,339.0		16,340.0	
4/30/2019	Stage 15					16,318.0		16,319.0	
4/30/2019	Stage 15					16,297.0		16,298.0	
4/30/2019	Stage 15					16,277.0		16,278.0	
4/30/2019	Stage 15					16,256.0		16,257.0	
4/30/2019	Stage 15					16,235.0		16,236.0	
4/30/2019	Stage 15					16,214.0		16,215.0	
Stage Number 16	Date 4/30/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 16,006.0		Bottom Depth (ftKB) 16,194.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
4/30/2019	Stage 16					16,193.0		16,194.0	
4/30/2019	Stage 16					16,172.0		16,173.0	
4/30/2019	Stage 16					16,151.0		16,152.0	
4/30/2019	Stage 16					16,131.0		16,132.0	
4/30/2019	Stage 16					16,110.0		16,111.0	
4/30/2019	Stage 16					16,089.0		16,090.0	
4/30/2019	Stage 16					16,068.0		16,069.0	
4/30/2019	Stage 16					16,047.0		16,048.0	
4/30/2019	Stage 16					16,026.0		16,027.0	
4/30/2019	Stage 16					16,006.0		16,007.0	
Stage Number 17	Date 5/1/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 15,797.0		Bottom Depth (ftKB) 15,986.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens...	Shots Plan 40	Entered Sh...	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/1/2019	Stage 17					15,985.0		15,986.0	
5/1/2019	Stage 17					15,964.0		15,965.0	
5/1/2019	Stage 17					15,943.0		15,944.0	
5/1/2019	Stage 17					15,922.0		15,923.0	
5/1/2019	Stage 17					15,901.0		15,902.0	
5/1/2019	Stage 17					15,880.0		15,881.0	
5/1/2019	Stage 17					15,860.0		15,861.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:57...

Vertical schematic (actual)	Zone ()	Column list (actual)
	Cat	Des Top To...
	Cas	CONDU... 21. 21....
	Cas	SURFACE 21. 21....
	Tub	TUBING... 21. 21....
	Cas	INTERM... 23. 23....
	Perf	PERFOR... 8,9 8,5...
	Perf	PERFOR... 9,1 8,6...
	Perf	PERFOR... 9,3 8,6...
	Perf	PERFOR... 9,5 8,6...
	Perf	PERFOR... 9,7 8,6...
	Perf	PERFOR... 9,9 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 18, 8,6...

Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/1/2019	Stage 17						15,839.0	15,840.0	
5/1/2019	Stage 17						15,818.0	15,819.0	
5/1/2019	Stage 17						15,797.0	15,798.0	
Stage Number 18	Date 5/1/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 15,589.0		Bottom Depth (ftKB) 15,776.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/1/2019	Stage 18						15,776.0	15,777.0	
5/1/2019	Stage 18						15,755.0	15,756.0	
5/1/2019	Stage 18						15,734.0	15,735.0	
5/1/2019	Stage 18						15,714.0	15,715.0	
5/1/2019	Stage 18						15,695.0	15,696.0	
5/1/2019	Stage 18						15,672.0	15,673.0	
5/1/2019	Stage 18						15,651.0	15,652.0	
5/1/2019	Stage 18						15,630.0	15,631.0	
5/1/2019	Stage 18						15,609.0	15,610.0	
5/1/2019	Stage 18						15,589.0	15,590.0	
Stage Number 19	Date 5/2/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 15,380.0		Bottom Depth (ftKB) 15,568.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/2/2019	Stage 19						15,568.0	15,569.0	
5/2/2019	Stage 19						15,547.0	15,548.0	
5/2/2019	Stage 19						15,526.0	15,527.0	
5/2/2019	Stage 19						15,505.0	15,506.0	
5/2/2019	Stage 19						15,484.0	15,485.0	
5/2/2019	Stage 19						15,463.0	15,464.0	
5/2/2019	Stage 19						15,442.0	15,443.0	
5/2/2019	Stage 19						15,422.0	15,423.0	
5/2/2019	Stage 19						15,400.0	15,401.0	
5/2/2019	Stage 19						15,380.0	15,381.0	
Stage Number 20	Date 5/2/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 15,172.0		Bottom Depth (ftKB) 15,358.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 36	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/2/2019	Stage 20						15,357.0	15,358.0	
5/2/2019	Stage 20						15,338.0	15,339.0	
5/2/2019	Stage 20						15,317.0	15,318.0	
5/2/2019	Stage 20						15,276.0	15,277.0	
5/2/2019	Stage 20						15,255.0	15,256.0	
5/2/2019	Stage 20						15,234.0	15,235.0	
5/2/2019	Stage 20						15,213.0	15,214.0	
5/2/2019	Stage 20						15,192.0	15,193.0	
5/2/2019	Stage 20						15,172.0	15,173.0	
Stage Number 21	Date 5/3/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 14,963.0		Bottom Depth (ftKB) 15,152.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:31:59...

Vertical schematic (actual)	Zone ()	Column list (actual)			
		Cat	Des	Top	To...
		Cas	CONDU...	21.	21....
		Cas	SURFACE	21.	21....
		Tub	TUBING...	21.	21....
		Cas	INTERM...	23.	23....
		Perf	PERFOR...	8,9	8,5...
		Perf	PERFOR...	9,1	8,6...
		Perf	PERFOR...	9,3	8,6...
		Perf	PERFOR...	9,5	8,6...
		Perf	PERFOR...	9,7	8,6...
		Perf	PERFOR...	9,9	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	18,	8,6...
		Perf	PERFOR...	18,	8,6...

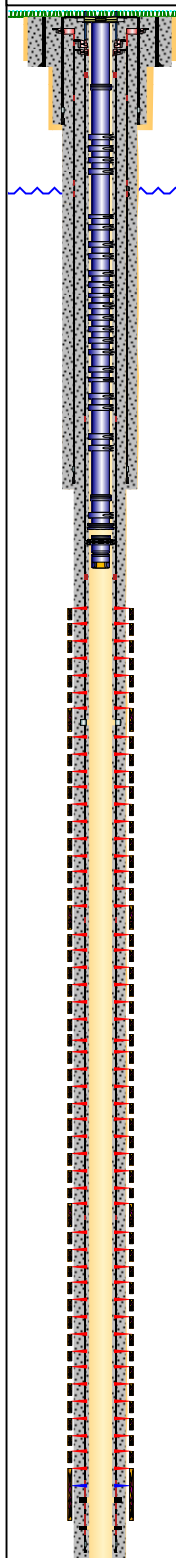
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/3/2019	Stage 21					15,151.0		15,152.0	
5/3/2019	Stage 21					15,130.0		15,131.0	
5/3/2019	Stage 21					15,109.0		15,110.0	
5/3/2019	Stage 21					15,088.0		15,089.0	
5/3/2019	Stage 21					15,067.0		15,068.0	
5/3/2019	Stage 21					15,046.0		15,047.0	
5/3/2019	Stage 21					15,026.0		15,027.0	
5/3/2019	Stage 21					15,005.0		15,006.0	
5/3/2019	Stage 21					14,984.0		14,985.0	
5/3/2019	Stage 21					14,963.0		14,964.0	
Stage Number 22	Date 5/3/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 14,755.0		Bottom Depth (ftKB) 14,942.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/3/2019	Stage 22					14,942.0		14,943.0	
5/3/2019	Stage 22					14,921.0		14,921.0	
5/3/2019	Stage 22					14,900.0		14,901.0	
5/3/2019	Stage 22					14,880.0		14,881.0	
5/3/2019	Stage 22					14,859.0		14,860.0	
5/3/2019	Stage 22					14,838.0		14,839.0	
5/3/2019	Stage 22					14,817.0		14,818.0	
5/3/2019	Stage 22					14,796.0		14,797.0	
5/3/2019	Stage 22					14,775.0		14,776.0	
5/3/2019	Stage 22					14,755.0		14,756.0	
Stage Number 23	Date 5/4/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 14,546.0		Bottom Depth (ftKB) 14,735.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/4/2019	Stage 23					14,734.0		14,735.0	
5/4/2019	Stage 23					14,713.0		14,714.0	
5/4/2019	Stage 23					14,692.0		14,693.0	
5/4/2019	Stage 23					14,671.0		14,672.0	
5/4/2019	Stage 23					14,650.0		14,651.0	
5/4/2019	Stage 23					14,629.0		14,630.0	
5/4/2019	Stage 23					14,609.0		14,610.0	
5/4/2019	Stage 23					14,590.0		14,591.0	
5/4/2019	Stage 23					14,567.0		14,568.0	
5/4/2019	Stage 23					14,546.0		14,547.0	
Stage Number 24	Date 5/4/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 14,338.0		Bottom Depth (ftKB) 14,525.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/4/2019	Stage 24					14,525.0		14,526.0	
5/4/2019	Stage 24					14,502.0		14,503.0	
5/4/2019	Stage 24					14,483.0		14,484.0	
5/4/2019	Stage 24					14,442.0		14,443.0	
5/4/2019	Stage 24					14,421.0		14,422.0	
5/4/2019	Stage 24					14,400.0		14,401.0	
5/4/2019	Stage 24					14,379.0		14,380.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:01...

Vertical schematic (actual)	Zone ()	Column list (actual)
		
	Cat	Des Top To...
	Cas	CONDU... 21. 21....
	Cas	SURFACE 21. 21....
	Tub	TUBING... 21. 21....
	Cas	INTERM... 23. 23....
	Perf	PERFOR... 8,9 8,5...
	Perf	PERFOR... 9,1 8,6...
	Perf	PERFOR... 9,3 8,6...
	Perf	PERFOR... 9,5 8,6...
	Perf	PERFOR... 9,7 8,6...
	Perf	PERFOR... 9,9 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
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	Perf	PERFOR... 11, 8,6...
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	Perf	PERFOR... 12, 8,6...
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	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
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	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 18, 8,6...

Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/4/2019	Stage 24						14,358.0	14,359.0	
5/4/2019	Stage 24						14,338.0	14,339.0	
5/4/2019	Stage 24						11,463.0	14,464.0	
Stage Number 25	Date 5/5/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 14,129.0		Bottom Depth (ftKB) 14,318.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/5/2019	Stage 25						14,317.0	14,318.0	
5/5/2019	Stage 25						14,296.0	14,297.0	
5/5/2019	Stage 25						14,275.0	14,276.0	
5/5/2019	Stage 25						14,254.0	14,255.0	
5/5/2019	Stage 25						14,233.0	14,234.0	
5/5/2019	Stage 25						14,212.0	14,213.0	
5/5/2019	Stage 25						14,192.0	14,193.0	
5/5/2019	Stage 25						14,171.0	14,172.0	
5/5/2019	Stage 25						14,150.0	14,151.0	
5/5/2019	Stage 25						14,129.0	14,130.0	
Stage Number 26	Date 5/5/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 13,921.0		Bottom Depth (ftKB) 14,108.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/5/2019	Stage 26						14,108.0	14,109.0	
5/5/2019	Stage 26						14,087.0	14,088.0	
5/5/2019	Stage 26						14,066.0	14,067.0	
5/5/2019	Stage 26						14,046.0	14,047.0	
5/5/2019	Stage 26						14,025.0	14,026.0	
5/5/2019	Stage 26						14,004.0	14,005.0	
5/5/2019	Stage 26						13,983.0	13,984.0	
5/5/2019	Stage 26						13,962.0	13,963.0	
5/5/2019	Stage 26						13,941.0	13,942.0	
5/5/2019	Stage 26						13,921.0	13,922.0	
Stage Number 27	Date 5/6/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 13,712.0		Bottom Depth (ftKB) 13,902.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/6/2019	Stage 27						13,901.0	13,902.0	
5/6/2019	Stage 27						13,879.0	13,880.0	
5/6/2019	Stage 27						13,858.0	13,859.0	
5/6/2019	Stage 27						13,837.0	13,838.0	
5/6/2019	Stage 27						13,818.0	13,819.0	
5/6/2019	Stage 27						13,795.0	13,796.0	
5/6/2019	Stage 27						13,776.0	13,777.0	
5/6/2019	Stage 27						13,754.0	13,755.0	
5/6/2019	Stage 27						13,734.0	13,735.0	
5/6/2019	Stage 27						13,712.0	13,713.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:03...

Vertical schematic (actual)	Zone ()	Column list (actual)
		Cat Des Top To...
		Cas CONDU... 21. 21....
		Cas SURFACE 21. 21....
		Tub TUBING... 21. 21....
		Cas INTERM... 23. 23....
		Perf PERFOR... 8,9 8,5...
		Perf PERFOR... 9,1 8,6...
		Perf PERFOR... 9,3 8,6...
		Perf PERFOR... 9,5 8,6...
		Perf PERFOR... 9,7 8,6...
		Perf PERFOR... 9,9 8,6...
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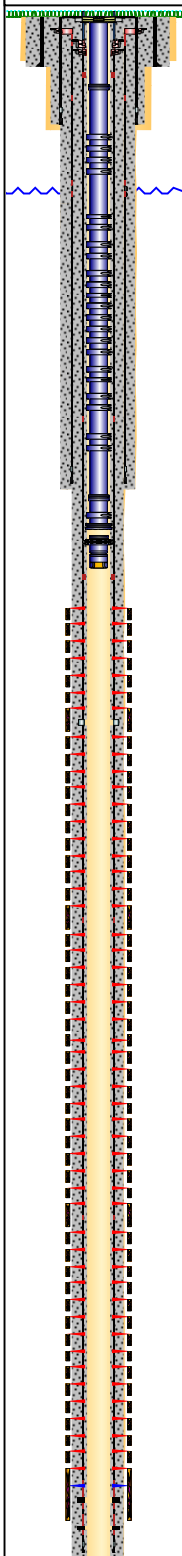
Perforations									
Stage Number 28	Date 5/6/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 13,504.0		Bottom Depth (ftKB) 13,689.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/6/2019	Stage 28					13,689.0		13,690.0	
5/6/2019	Stage 28					13,670.0		13,671.0	
5/6/2019	Stage 28					13,647.0		13,648.0	
5/6/2019	Stage 28					13,629.0		13,630.0	
5/6/2019	Stage 28					13,609.0		13,610.0	
5/6/2019	Stage 28					13,587.0		13,588.0	
5/6/2019	Stage 28					13,566.0		13,567.0	
5/6/2019	Stage 28					13,545.0		13,546.0	
5/6/2019	Stage 28					13,524.0		13,525.0	
5/6/2019	Stage 28					13,504.0		13,505.0	
Stage Number 29	Date 5/7/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 13,295.0		Bottom Depth (ftKB) 13,484.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/7/2019	Stage 29					13,483.0		13,484.0	
5/7/2019	Stage 29					13,462.0		13,463.0	
5/7/2019	Stage 29					13,441.0		13,442.0	
5/7/2019	Stage 29					13,420.0		13,421.0	
5/7/2019	Stage 29					13,399.0		13,400.0	
5/7/2019	Stage 29					13,378.0		13,379.0	
5/7/2019	Stage 29					13,358.0		13,359.0	
5/7/2019	Stage 29					13,337.0		13,338.0	
5/7/2019	Stage 29					13,316.0		13,317.0	
5/7/2019	Stage 29					13,295.0		13,296.0	
Stage Number 30	Date 5/7/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 13,087.0		Bottom Depth (ftKB) 13,274.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/7/2019	Stage 30					13,274.0		13,275.0	
5/7/2019	Stage 30					13,253.0		13,254.0	
5/7/2019	Stage 30					13,232.0		13,233.0	
5/7/2019	Stage 30					13,212.0		13,213.0	
5/7/2019	Stage 30					13,191.0		13,192.0	
5/7/2019	Stage 30					13,170.0		13,171.0	
5/7/2019	Stage 30					13,149.0		13,150.0	
5/7/2019	Stage 30					13,128.0		13,129.0	
5/7/2019	Stage 30					13,107.0		13,108.0	
5/7/2019	Stage 30					13,087.0		13,088.0	
Stage Number 31	Date 5/8/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 12,878.0		Bottom Depth (ftKB) 13,067.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/8/2019	Stage 31					13,066.0		13,067.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:05...

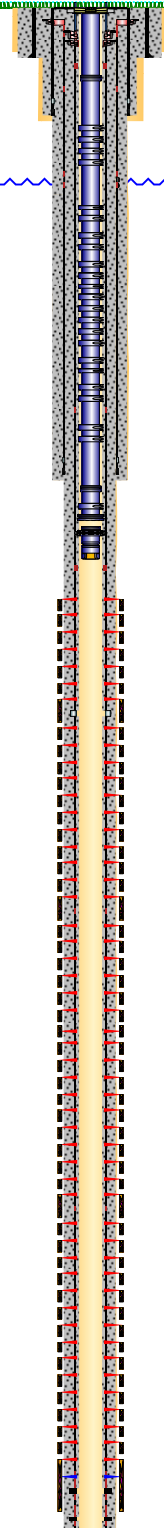
Vertical schematic (actual)	Zone ()	Column list (actual)
		
	Cat	Des Top To...
	Cas	CONDU... 21. 21....
	Cas	SURFACE 21. 21....
	Tub	TUBING... 21. 21....
	Cas	INTERM... 23. 23....
	Perf	PERFOR... 8,9 8,5...
	Perf	PERFOR... 9,1 8,6...
	Perf	PERFOR... 9,3 8,6...
	Perf	PERFOR... 9,5 8,6...
	Perf	PERFOR... 9,7 8,6...
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	Perf	PERFOR... 18, 8,6...

Perforation Intervals									
Date		Com					Top (ftKB)		Btm (ftKB)
5/8/2019		Stage 31					13,045.0		13,046.0
5/8/2019		Stage 31					13,024.0		13,025.0
5/8/2019		Stage 31					13,003.0		13,004.0
5/8/2019		Stage 31					12,982.0		12,983.0
5/8/2019		Stage 31					12,961.0		12,962.0
5/8/2019		Stage 31					12,941.0		12,942.0
5/8/2019		Stage 31					12,920.0		12,921.0
5/8/2019		Stage 31					12,899.0		12,900.0
5/8/2019		Stage 31					12,878.0		12,879.0
Stage Number 32		Date 5/8/2019		Wellbore ORIGINAL HOLE			Top Depth (ftKB) 12,670.0		Bottom Depth (ftKB) 12,858.0
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIREFINE		
Gun Description Titan H1		Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P... SHAPED	Phasing (*) 90
Perforation Intervals									
Date		Com					Top (ftKB)		Btm (ftKB)
5/8/2019		Stage 32					12,857.0		12,858.0
5/8/2019		Stage 32					12,836.0		12,837.0
5/8/2019		Stage 32					12,815.0		12,816.0
5/8/2019		Stage 32					12,795.0		12,796.0
5/8/2019		Stage 32					12,774.0		12,775.0
5/8/2019		Stage 32					12,753.0		12,754.0
5/8/2019		Stage 32					12,732.0		12,733.0
5/8/2019		Stage 32					12,711.0		12,712.0
5/8/2019		Stage 32					12,690.0		12,691.0
5/8/2019		Stage 32					12,670.0		12,671.0
Stage Number 33		Date 5/9/2019		Wellbore ORIGINAL HOLE			Top Depth (ftKB) 12,461.0		Bottom Depth (ftKB) 12,648.0
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIREFINE		
Gun Description Titan H1		Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P... SHAPED	Phasing (*) 90
Perforation Intervals									
Date		Com					Top (ftKB)		Btm (ftKB)
5/9/2019		Stage 33					12,647.0		12,648.0
5/9/2019		Stage 33					12,628.0		12,629.0
5/9/2019		Stage 33					12,607.0		12,608.0
5/9/2019		Stage 33					12,586.0		12,587.0
5/9/2019		Stage 33					12,565.0		12,566.0
5/9/2019		Stage 33					12,544.0		12,545.0
5/9/2019		Stage 33					12,524.0		12,525.0
5/9/2019		Stage 33					12,503.0		12,504.0
5/9/2019		Stage 33					12,482.0		12,483.0
5/9/2019		Stage 33					12,461.0		12,462.0
Stage Number 34		Date 5/9/2019		Wellbore ORIGINAL HOLE			Top Depth (ftKB) 12,259.0		Bottom Depth (ftKB) 12,440.0
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIREFINE		
Gun Description Titan H1		Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P... SHAPED	Phasing (*) 90
Perforation Intervals									
Date		Com					Top (ftKB)		Btm (ftKB)
5/9/2019		Stage 34					12,440.0		12,441.0
5/9/2019		Stage 34					12,419.0		21,420.0
5/9/2019		Stage 34					12,398.0		12,399.0
5/9/2019		Stage 34					12,378.0		12,379.0
5/9/2019		Stage 34					12,357.0		12,358.0
5/9/2019		Stage 34					12,336.0		12,337.0
5/9/2019		Stage 34					12,315.0		12,316.0
5/9/2019		Stage 34					12,294.0		12,295.0

Well Name: UNIVERSITY LANDS 10 36-01 03HK

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:07...

Vertical schematic
(actual)



Zone
()

Column list (actual)

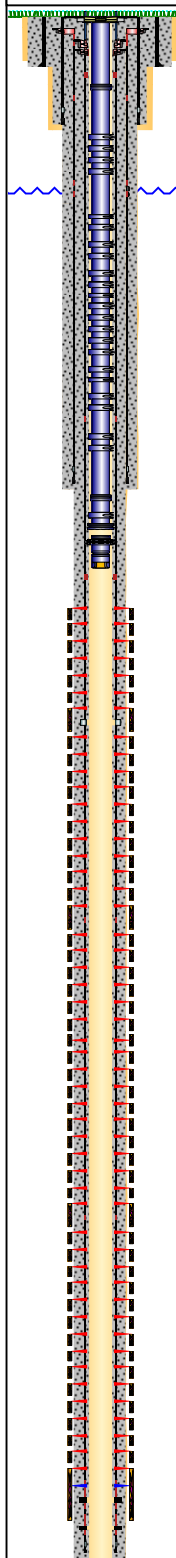
Cat	Des	Top	To...
Cas	CONDU...	21.	21....
Cas	SURFACE	21.	21....
Tub	TUBING...	21.	21....
Cas	INTERM...	23.	23....
Perf	PERFOR...	8,9	8,5...
Perf	PERFOR...	9,1	8,6...
Perf	PERFOR...	9,3	8,6...
Perf	PERFOR...	9,5	8,6...
Perf	PERFOR...	9,7	8,6...
Perf	PERFOR...	9,9	8,6...
Perf	PERFOR...	10,	8,6...
Perf	PERFOR...	10,	8,6...
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Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
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Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf	PERFOR...	12,	8,6...
Perf			

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:09...

Vertical schematic (actual)	Zone ()	Column list (actual)			
		Cat	Des	Top	To...
		Cas	CONDU...	21.	21....
		Cas	SURFACE	21.	21....
		Tub	TUBING...	21.	21....
		Cas	INTERM...	23.	23....
		Perf	PERFOR...	8,9	8,5...
		Perf	PERFOR...	9,1	8,6...
		Perf	PERFOR...	9,3	8,6...
		Perf	PERFOR...	9,5	8,6...
		Perf	PERFOR...	9,7	8,6...
		Perf	PERFOR...	9,9	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	18,	8,6...
		Perf	PERFOR...	18,	8,6...

Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/11/2019	Stage 38					11,606.0		11,607.0	
5/11/2019	Stage 38					11,585.0		11,585.0	
5/11/2019	Stage 38					11,564.0		11,565.0	
5/11/2019	Stage 38					11,544.0		11,545.0	
5/11/2019	Stage 38					11,523.0		11,524.0	
5/11/2019	Stage 38					11,502.0		11,502.0	
5/11/2019	Stage 38					11,481.0		11,482.0	
5/11/2019	Stage 38					11,460.0		11,461.0	
5/11/2019	Stage 38					11,439.0		11,440.0	
5/11/2019	Stage 38					11,418.0		11,419.0	
Stage Number 39	Date 5/12/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 11,210.0		Bottom Depth (ftKB) 11,399.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/12/2019	Stage 39					11,398.0		11,399.0	
5/12/2019	Stage 39					11,377.0		11,378.0	
5/12/2019	Stage 39					11,356.0		11,357.0	
5/12/2019	Stage 39					11,335.0		11,336.0	
5/12/2019	Stage 39					11,314.0		11,315.0	
5/12/2019	Stage 39					11,293.0		11,294.0	
5/12/2019	Stage 39					11,273.0		11,274.0	
5/12/2019	Stage 39					11,252.0		11,253.0	
5/12/2019	Stage 39					11,231.0		11,232.0	
5/12/2019	Stage 39					11,210.0		11,211.0	
Stage Number 40	Date 5/12/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 11,002.0		Bottom Depth (ftKB) 11,190.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/12/2019	Stage 40					11,189.0		11,190.0	
5/12/2019	Stage 40					11,168.0		11,169.0	
5/12/2019	Stage 40					11,147.0		11,148.0	
5/12/2019	Stage 40					11,127.0		11,128.0	
5/12/2019	Stage 40					11,106.0		11,107.0	
5/12/2019	Stage 40					11,085.0		11,086.0	
5/12/2019	Stage 40					11,064.0		11,065.0	
5/12/2019	Stage 40					11,043.0		11,044.0	
5/12/2019	Stage 40					11,022.0		11,023.0	
5/12/2019	Stage 40					11,002.0		11,003.0	
Stage Number 41	Date 5/12/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 10,793.0		Bottom Depth (ftKB) 10,982.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00					Perforation Company QES			Conveyance Method WIRELINE	
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com					Top (ftKB)		Btm (ftKB)	
5/12/2019	Stage 41					10,981.0		10,982.0	
5/12/2019	Stage 41					10,960.0		10,961.0	
5/12/2019	Stage 41					10,939.0		10,940.0	
5/12/2019	Stage 41					10,918.0		10,919.0	
5/12/2019	Stage 41					10,897.0		10,898.0	
5/12/2019	Stage 41					10,876.0		10,877.0	
5/12/2019	Stage 41					10,856.0		10,857.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:11...

Vertical schematic (actual)	Zone ()	Column list (actual)
	Cat	Des Top To...
	Cas	CONDU... 21. 21....
	Cas	SURFACE 21. 21....
	Tub	TUBING... 21. 21....
	Cas	INTERM... 23. 23....
	Perf	PERFOR... 8,9 8,5...
	Perf	PERFOR... 9,1 8,6...
	Perf	PERFOR... 9,3 8,6...
	Perf	PERFOR... 9,5 8,6...
	Perf	PERFOR... 9,7 8,6...
	Perf	PERFOR... 9,9 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 10, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 11, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 12, 8,6...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 13, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 14, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 15, 8,5...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 16, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 17, 8,6...
	Perf	PERFOR... 18, 8,6...

Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/12/2019	Stage 41						10,835.0	10,836.0	
5/12/2019	Stage 41						10,814.0	10,815.0	
5/12/2019	Stage 41						10,793.0	10,794.0	
Stage Number 42	Date 5/13/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 10,588.0		Bottom Depth (ftKB) 10,772.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/13/2019	Stage 42						10,751.0	10,752.0	
5/13/2019	Stage 42						10,730.0	10,731.0	
5/13/2019	Stage 42						10,722.0	10,723.0	
5/13/2019	Stage 42						10,710.0	10,711.0	
5/13/2019	Stage 42						10,689.0	10,690.0	
5/13/2019	Stage 42						10,665.0	10,666.0	
5/13/2019	Stage 42						10,647.0	10,648.0	
5/13/2019	Stage 42						10,629.0	10,630.0	
5/13/2019	Stage 42						10,605.0	10,606.0	
5/13/2019	Stage 42						10,588.0	10,589.0	
Stage Number 43	Date 5/13/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 10,379.0		Bottom Depth (ftKB) 10,565.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/13/2019	Stage 43						10,564.0	10,565.0	
5/13/2019	Stage 43						10,546.0	10,547.0	
5/13/2019	Stage 43						10,522.0	10,523.0	
5/13/2019	Stage 43						10,500.0	10,501.0	
5/13/2019	Stage 43						10,480.0	10,481.0	
5/13/2019	Stage 43						10,458.0	10,459.0	
5/13/2019	Stage 43						10,439.0	10,440.0	
5/13/2019	Stage 43						10,417.0	10,418.0	
5/13/2019	Stage 43						10,397.0	10,398.0	
5/13/2019	Stage 43						10,379.0	10,380.0	
Stage Number 44	Date 5/14/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 10,168.0		Bottom Depth (ftKB) 10,356.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/14/2019	Stage 44						10,355.0	10,356.0	
5/14/2019	Stage 44						10,334.0	10,335.0	
5/14/2019	Stage 44						10,313.0	10,314.0	
5/14/2019	Stage 44						10,293.0	10,294.0	
5/14/2019	Stage 44						10,272.0	10,273.0	
5/14/2019	Stage 44						10,251.0	10,252.0	
5/14/2019	Stage 44						10,230.0	10,231.0	
5/14/2019	Stage 44						10,209.0	10,210.0	
5/14/2019	Stage 44						10,188.0	10,189.0	
5/14/2019	Stage 44						10,168.0	10,169.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:13...

Vertical schematic (actual)	Zone (ft)	Column list (actual)
Cat	Des	Top To...
Cas	CONDU...	21. 21....
Cas	SURFACE	21. 21....
Tub	TUBING...	21. 21....
Cas	INTERM...	23. 23....
Perf	PERFOR...	8,9 8,5...
Perf	PERFOR...	9,1 8,6...
Perf	PERFOR...	9,3 8,6...
Perf	PERFOR...	9,5 8,6...
Perf	PERFOR...	9,7 8,6...
Perf	PERFOR...	9,9 8,6...
Perf	PERFOR...	10, 8,6...
Perf	PERFOR...	10, 8,6...
Perf	PERFOR...	10, 8,6...
Perf	PERFOR...	11, 8,6...
Perf	PERFOR...	11, 8,6...
Perf	PERFOR...	11, 8,6...
Perf	PERFOR...	11, 8,6...
Perf	PERFOR...	12, 8,6...
Perf	PERFOR...	12, 8,6...
Perf	PERFOR...	12, 8,6...
Perf	PERFOR...	13, 8,5...
Perf	PERFOR...	13, 8,5...
Perf	PERFOR...	13, 8,5...
Perf	PERFOR...	13, 8,5...
Perf	PERFOR...	14, 8,5...
Perf	PERFOR...	14, 8,5...
Perf	PERFOR...	14, 8,5...
Perf	PERFOR...	14, 8,5...
Perf	PERFOR...	14, 8,5...
Perf	PERFOR...	15, 8,5...
Perf	PERFOR...	15, 8,5...
Perf	PERFOR...	15, 8,5...
Perf	PERFOR...	16, 8,6...
Perf	PERFOR...	16, 8,6...
Perf	PERFOR...	16, 8,6...
Perf	PERFOR...	16, 8,6...
Perf	PERFOR...	17, 8,6...
Perf	PERFOR...	17, 8,6...
Perf	PERFOR...	17, 8,6...
Perf	PERFOR...	17, 8,6...
Perf	PERFOR...	18, 8,6...
Perf	PERFOR...	18, 8,6...

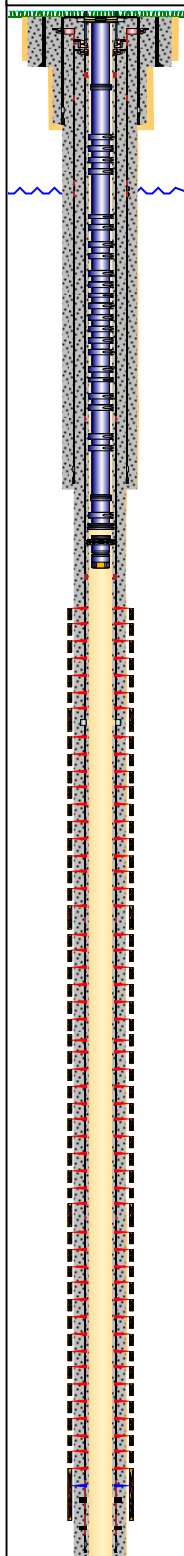
Perforations									
Stage Number 45	Date 5/14/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 9,980.0		Bottom Depth (ftKB) 10,127.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/14/2019	Stage 45						10,126.0	10,127.0	
5/14/2019	Stage 45						10,105.0	10,106.0	
5/14/2019	Stage 45						10,084.0	10,085.0	
5/14/2019	Stage 45						10,063.0	10,064.0	
5/14/2019	Stage 45						10,042.0	10,043.0	
5/14/2019	Stage 45						10,022.0	10,023.0	
5/14/2019	Stage 45						10,001.0	10,002.0	
5/14/2019	Stage 45						9,980.0	9,981.0	
Stage Number 46	Date 5/15/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 9,754.0		Bottom Depth (ftKB) 9,939.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/15/2019	Stage 46						9,938.0	9,939.0	
5/15/2019	Stage 46						9,916.0	9,917.0	
5/15/2019	Stage 46						9,896.0	9,897.0	
5/15/2019	Stage 46						9,878.0	9,879.0	
5/15/2019	Stage 46						9,855.0	9,856.0	
5/15/2019	Stage 46						9,836.0	9,837.0	
5/15/2019	Stage 46						9,813.0	9,814.0	
5/15/2019	Stage 46						9,790.0	9,791.0	
5/15/2019	Stage 46						9,771.0	9,772.0	
5/15/2019	Stage 46						9,754.0	9,755.0	
Stage Number 47	Date 5/15/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 9,542.0		Bottom Depth (ftKB) 9,731.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/15/2019	Stage 47						9,730.0	9,731.0	
5/15/2019	Stage 47						9,711.0	9,712.0	
5/15/2019	Stage 47						9,688.0	9,689.0	
5/15/2019	Stage 47						9,669.0	9,670.0	
5/15/2019	Stage 47						9,646.0	9,647.0	
5/15/2019	Stage 47						9,626.0	9,627.0	
5/15/2019	Stage 47						9,605.0	9,606.0	
5/15/2019	Stage 47						9,584.0	9,585.0	
5/15/2019	Stage 47						9,563.0	9,564.0	
5/15/2019	Stage 47						9,542.0	9,543.0	
Stage Number 48	Date 5/15/2019	Wellbore ORIGINAL HOLE			Top Depth (ftKB) 9,334.0		Bottom Depth (ftKB) 9,522.0		
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (°) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/15/2019	Stage 48						9,521.0	9,522.0	
5/15/2019	Stage 48						9,500.0	9,501.0	
5/15/2019	Stage 48						9,479.0	9,480.0	

Perforations

Well Name: UNIVERSITY LANDS 10 36-01 03HK

API 42383404640000	Surface Legal Location UL SURVEY, A-U242, BLOCK 10	Field Name	License #	State TEXAS	Well Configuration Type HORIZONTAL
Ground Elevation (ft) 2,815.00	Casing Flange Elevation (ft) 2,815.00	RKB (ft) 21.00	KB-Casing Flange Distance (ft) 21.00	Well Spud Date 12/12/2018 10:00	Rig Release Date 3/31/2019 22:00

HORIZONTAL - ORIGINAL HOLE, 7/24/2019 9:32:15...

Vertical schematic (actual)	Zone ()	Column list (actual)			
		Cat	Des	Top	To...
		Cas	CONDU...	21.	21....
		Cas	SURFACE	21.	21....
		Tub	TUBING...	21.	21....
		Cas	INTERM...	23.	23....
		Perf	PERFOR...	8,9	8,5...
		Perf	PERFOR...	9,1	8,6...
		Perf	PERFOR...	9,3	8,6...
		Perf	PERFOR...	9,5	8,6...
		Perf	PERFOR...	9,7	8,6...
		Perf	PERFOR...	9,9	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	10,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	11,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	12,	8,6...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	13,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	14,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,5...
		Perf	PERFOR...	15,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	16,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	17,	8,6...
		Perf	PERFOR...	18,	8,6...

Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/15/2019	Stage 48						9,459.0	9,460.0	
5/15/2019	Stage 48						9,438.0	9,439.0	
5/15/2019	Stage 48						9,417.0	9,418.0	
5/15/2019	Stage 48						9,396.0	9,397.0	
5/15/2019	Stage 48						9,375.0	9,376.0	
5/15/2019	Stage 48						9,365.0	9,366.0	
5/15/2019	Stage 48						9,334.0	9,335.0	
Stage Number 49	Date 5/16/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 9,125.0		Bottom Depth (ftKB) 9,314.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/16/2019	Stage 49						9,313.0	9,314.0	
5/16/2019	Stage 49						9,292.0	9,293.0	
5/16/2019	Stage 49						9,271.0	9,272.0	
5/16/2019	Stage 49						9,250.0	9,251.0	
5/16/2019	Stage 49						9,229.0	9,230.0	
5/16/2019	Stage 49						9,208.0	9,209.0	
5/16/2019	Stage 49						9,188.0	9,189.0	
5/16/2019	Stage 49						9,167.0	9,168.0	
5/16/2019	Stage 49						9,146.0	9,147.0	
5/16/2019	Stage 49						9,125.0	9,126.0	
Stage Number 50	Date 5/16/2019	Wellbore ORIGINAL HOLE				Top Depth (ftKB) 8,917.0		Bottom Depth (ftKB) 9,105.0	
Job COMPLETION - ORIGINAL, 4/18/2019 06:00				Perforation Company QES			Conveyance Method WIRELINE		
Gun Description Titan H1	Gun Size (in) 3 1/8	Chg Sz (g)	Shot Dens... 4.0	Shots Plan 40	Entered Sh... 40	Nom Hole...	Nom P...	Charge Type SHAPED	Phasing (*) 90
Perforation Intervals									
Date	Com						Top (ftKB)	Btm (ftKB)	
5/16/2019	Stage 50						9,104.0	9,105.0	
5/16/2019	Stage 50						9,083.0	9,084.0	
5/16/2019	Stage 50						9,062.0	9,063.0	
5/16/2019	Stage 50						9,042.0	9,043.0	
5/16/2019	Stage 50						9,021.0	9,022.0	
5/16/2019	Stage 50						9,000.0	9,001.0	
5/16/2019	Stage 50						8,979.0	8,980.0	
5/16/2019	Stage 50						8,958.0	8,959.0	
5/16/2019	Stage 50						8,937.0	8,938.0	
5/16/2019	Stage 50						8,917.0	8,918.0	