



Partner Completion and Workover

Report # 8.0, Report Date: 9/19/2017

Well Name: UNIVERSITY 3-35 #102HB

API/UWI No. 42461405920000	Surface Legal Location A-U47, SEC. 11; BLK. 4 CCSD&RGNG R...	Field Name SPRABERRY (TREND AREA)	Well License/Perm... 826301	State/Province TEXAS	County UPTON	Well Config Horizontal
Original KB Elevation (ft) 2,731.60	KB-Tubing Head Distance (ft)	Original Spud/Spud Rig Date 6/3/2017 18:30	Large Rig Spud Date	Rig Release Date 6/28/2017 16:30	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

Primary Job Type 08-Completion	Secondary Job Type Original Completion
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Objective
COMPLETE WITH 52 STAGES.

Contractor	Rig Number
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AFE Number DD.17.30779.CAP.CMP	Total AFE + Supp Amount (Cost) 5,445,000.00	Daily Field Est Total (Cost) 173,317	Cum Field Est To Date (Cost) 612,468
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Daily Readings

Weather	Temperature (°F)	Road Condition	Rig Time (hr)
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Short Report
STAGE 5: Fraced with 3,990 gallons 15% HCL acid, 84,568 pounds 100 mesh sand, 102,305 pounds 40/70 mesh sand, and 103,699 pounds 30/50 mesh sand. Average rate 64 (BPM) @ 6,924 (PSI) pump pressure. Load to recover 7,801 barrels.

STAGE 6: Set plug @ 18,080' and perforate five 2' clusters from 17,909'-18,063'. Fraced with 3,990 gallons 15% HCL acid, 85,500 pounds 100 mesh sand, 103,283 pounds 40/70 mesh sand, and 102,800 pounds 30/50 mesh sand. Average rate 79 (BPM) @ 7,510 (PSI) pump pressure. Load to recover 9,232 barrels.

STAGE 7: Set plug @ 17,885' and perforate five 2' clusters from 17,719'-17,869'.

Waiting to complete frac on adjacent well at time of report.

Current Status/OART STBY TO FRAC STG 7	24 Hour Forecast 24HR FRAC OPS
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Daily Contacts

Job Contact MARTY HAM, Foreman	Title Foreman	Phone Mobile
Job Contact CHASE ALDER, Consultant	Title Consultant	Phone Mobile
Job Contact BRANDON WILSON, Consultant	Title Consultant	Phone Mobile

Personnel Log

Count	Type	Company	Note	Pers Tot Hrs (hr)	Cum Pers Tot...
4	Service	NICHOLS	PUMPS		
2	Service	COMPLETION EQUIPMENT RENTALS, INC	BACKSIDE		
2	Contractor	BEDROCK CONSULTING	C. ALDER/B.WILSON		
1	Operator	HUNT OIL COMPANY	MARTY HAM		
8	Service	SCHLUMBERGER	ELINE		
2	Service	PREMIER FLOW CONTROL	FLOWBACK		
16	Service	SCHLUMBERGER	FRAC		
4	Service	QUIK PIPE WATER TRANSFER	WATER TRANSFER		
2	Contractor	ELY & ASSOCIATES	FRAC QA/QC		
4	Service	K D TIMMONS	FUEL		

Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
06:00	09:00	3.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 5: WITH 3,990 GALS 15% HCL, 84,568 LBS 100 MESH SAND, 102,305 LBS 40/70 MESH SAND, 103,699 LBS 30/50 MESH. AVG RATE 64 BPM @ 6,924 PSI PUMP PRESS. FINAL 3,558 PSI, FRAC GRADIENT .43 LTR, 7,801 BBLS.
09:00	12:00	3.00	39STIM, Stim & Treat	PF	c	O	STAGE 6 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 17 BPM, 4,200 PSI PUMP PRESSURE, 496 TBLS PUMPED. SET PLUG @ 18,080' MD, PERFS 18,061'-63', 18,023'-25', 17,985'-87', 17,947'-49' AND 17,909'-11'. POOH, VERIFIED GUNS FIRED.
12:00	01:00	13.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
01:00	03:00	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 6: WITH 3,990 GALS 15% HCL, 85,500 LBS 100 MESH SAND, 103,283 LBS 40/70 MESH SAND, 102,800 LBS 30/50 MESH. AVG RATE 79 BPM @ 7,510 PSI PUMP PRESS. FINAL 3,500 PSI, FRAC GRADIENT .85 LTR, 9,232 BBLS.



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Original KB Elevation (ft) 2,731.60	KB-Tubing Head Distance (ft)	Original Spud/Spud Rig Date 6/3/2017 18:30	Large Rig Spud Date	Rig Release Date 6/28/2017 16:30	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

Time Log							Operation Summary
Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	
03:00	05:30	2.50	39STIM, Stim & Treat	PF	c	O	STAGE 7 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 17 BPM, 4,500 PSI PUMP PRESSURE, 485 TBBLs PUMPED. SET PLUG @ 17,885' MD, PERFS 17,867'-69', 17,833'-35', 17,795'-97', 17,757'-59' AND 17,719'-22'. POOH, VERIFIED GUNS FIRED.
05:30	06:00	0.50	39STIM, Stim & Treat	ST	b	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.

Report Fluids Summary				
Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Safety Checks			
Time	Safety Topic	Type	Com
06:00		Tail Gate	JOB FOCUS, RELIEF VALVES

Logs				
Time	Type	Top (ftKB)	Btm (ftKB)	Cased?

Perforations				
Time	Top (ftKB)	Btm (ftKB)	Current Status	Linked Zone
13:45	17,529.0	17,683.0		
05:00	17,719.0	17,869.0		
10:00	17,909.0	18,063.0		
04:00	18,099.0	18,253.0		
20:15	18,289.0	18,443.0		
06:00	18,479.0	18,633.0		
19:15	18,669.0	18,823.0		
19:12	18,852.0	19,013.0		
15:00	19,071.0	19,085.0		

Stimulations Summary		
Type	Subtype	Stim/Treat Company

Stimulation Intervals			
Interval Number	Type	Top (ftKB)	Btm (ftKB)

Tubing Run					
Run Time	Tubing Description	Set Depth (ftKB)	String Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade

Tubing Pulled					
Pull Time	Tubing Description	Set Depth (ftKB)	String Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade

Other in Hole Run (Bridge Plugs, etc)				
Run Time	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Other in Hole Pulled (Bridge Plugs, etc)				
Pull Time	Des	Top (ftKB)	Btm (ftKB)	OD (in)

Cement				
Start Time	Des	Type	String	Cement Comp
02:00	Primary Single Stage	Casing	Surface Casing, 684.0ftKB	DOWELL SCHLUMBERGER
08:00	Top Out	Casing	Surface Casing, 684.0ftKB	DOWELL SCHLUMBERGER
19:03	Primary Multiple Stage	Casing	Intermediate Casing, 7,787.0ftKB	DOWELL SCHLUMBERGER
16:00	Primary Single Stage	Casing	Production Casing, 19,215.0ftKB	DOWELL SCHLUMBERGER

Job Supplies				
Supply Item Description	Unit Label	Total Received	Total Consumed	Inventory On Location
FUEL	Gal	23,368.0	23,368.0	0.0



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Objective
COMPLETE WITH 52 STAGES.

Contractor	Rig Number
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AFE Number DD.17.30779.CAP.CMP	Total AFE + Supp Amount (Cost) 5,445,000.00	Daily Field Est Total (Cost) 102,957	Cum Field Est To Date (Cost) 715,425
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Daily Readings

Weather	Temperature (°F)	Road Condition	Rig Time (hr)
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Short Report
STAGE 7: Fraced with 3,990 gallons 15% HCL acid, 83,960 pounds 100 mesh sand, 103,179 pounds 40/70 mesh sand, and 102,866 pounds 30/50 mesh sand. Average rate 72 (BPM) @ 6,946 (PSI) pump pressure. Load to recover 10,105 barrels.

STAGE 8: Set plug @ 17,700' and perforate five 2' clusters from 17,529'-17,683'.

Waiting to complete operations on adjacent well at time of report.

Current Status/OART STBY TO FRAC STG 8	24 Hour Forecast 24HR FRAC OPS
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Daily Contacts

Job Contact MARTY HAM, Foreman	Title Foreman	Phone Mobile
Job Contact CHASE ALDER, Consultant	Title Consultant	Phone Mobile
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Personnel Log

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16	Service	SCHLUMBERGER	FRAC		
4	Service	QUIK PIPE WATER TRANSFER	WATER TRANSFER		
2	Contractor	ELY & ASSOCIATES	FRAC QA/QC		
4	Service	K D TIMMONS	FUEL		

Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
06:00	11:30	5.50	39STIM, Stim & Treat	ST	b	O	WAIT ON SLB TO REPAIR FR SYSTEM DURING STG 7 FRAC.
11:30	13:30	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 7: WITH 3,990 GALS 15% HCL, 83,960 LBS 100 MESH SAND, 103,179 LBS 40/70 MESH SAND, 102,866 LBS 30/50 MESH. AVG RATE 72 BPM @ 6,946 PSI PUMP PRESS. FINAL 3,519 PSI, FRAC GRADIENT .43 LTR, 10,105 BBLS.
13:30	16:00	2.50	39STIM, Stim & Treat	TR	g	O	STAGE 8 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 18 BPM, 4,400 PSI PUMP PRESSURE, 509 TBBLs PUMPED. SET PLUG @ 17,700' MD, PERFS 17,681'-83', 17,643'-45', 17,605'-07', 17,567'-69' AND 17,529'-31'. POOH, VERIFIED GUNS FIRED.
16:00	06:00	14.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.

Report Fluids Summary

Fluid	To well (bbl)	From well (bbl)	To lease (bbl)	From lease (bbl)

Safety Checks

Time	Safety Topic	Type	Com



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Perforations

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Type	Subtype	Stim/Treat Company

Stimulation Intervals

Interval Number	Type	Top (ftKB)	Btm (ftKB)

Tubing Run

Run Time	Tubing Description	Set Depth (ftKB)	String Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade

Tubing Pulled

Pull Time	Tubing Description	Set Depth (ftKB)	String Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade

Other in Hole Run (Bridge Plugs, etc)

Run Time	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Other in Hole Pulled (Bridge Plugs, etc)

Pull Time	Des	Top (ftKB)	Btm (ftKB)	OD (in)

Cement

Start Time	Des	Type	String	Cement Comp
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Supply Item Description	Unit Label	Total Received	Total Consumed	Inventory On Location
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