



# Partner Completion and Workover

Report # 11.0, Report Date: 10/12/2017

## Well Name: UNIVERSITY 3-35 #104HB

API/UWI No. 42461405810000	Surface Legal Location A-U47; SEC. 11; BLK 4; UL SURVEY	Field Name SPRABERRY (TREND AREA)	Well License/Perm... 824982	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 7/19/2017 23:00	Large Rig Spud Date	Rig Release Date 8/7/2017 16:00	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

Primary Job Type 08-Completion	Secondary Job Type Original Completion
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Objective  
COMPLETE WITH 53 STAGES

Contractor	Rig Number
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AFE Number DD.17.30781.CAP.CMP	Total AFE + Supp Amount (Cost) 5,445,000.00	Daily Field Est Total (Cost) 315,845	Cum Field Est To Date (Cost) 2,041,036
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### Daily Readings

Weather	Temperature (°F)	Road Condition	Rig Time (hr)
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Short Report  
STAGE 21: Fraced with 4,000 gallons 15% HCL acid, 80,113 pounds 100 mesh sand, 105,932 pounds 40/70 mesh sand, and 103,528 pounds 30/50 mesh sand. Average rate 81 (BPM) @ 6,577 (PSI) pump pressure. Load to recover 7,727 barrels.

STAGE 22: Set plug @ 15,042' and perforate five 2' clusters from 14,871'-15,025'. Fraced with 4,000 gallons 15% HCL acid, 86,501 pounds 100 mesh sand, 105,106 pounds 40/70 mesh sand, and 102,429 pounds 30/50 mesh sand. Average rate 81 (BPM) @ 6,522 (PSI) pump pressure. Load to recover 7,214 barrels.

STAGE 23: Set plug @ 14,844' and perforate five 2' clusters from 14,681'-14,830'. Fraced with 4,000 gallons 15% HCL acid, 84,565 pounds 100 mesh sand, 103,342 pounds 40/70 mesh sand, and 103,211 pounds 30/50 mesh sand. Average rate 80 (BPM) @ 6,358 (PSI) pump pressure. Load to recover 6,988 barrels.

STAGE 24: Set plug @ 14,662' and perforate five 2' clusters from 14,495'-14,645'. Fraced with 4,000 gallons 15% HCL acid, 84,067 pounds 100 mesh sand, 103,107 pounds 40/70 mesh sand, and 103,028 pounds 30/50 mesh sand. Average rate 80 (BPM) @ 6,108 (PSI) pump pressure. Load to recover 7,285 barrels.

STAGE 25: Set plug @ 14,472' and perforate five 2' clusters from 14,301'-14,450'.

Current Status/OART POOH STG 25	24 Hour Forecast 24 HR FRAC OPS
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### Daily Contacts

Job Contact DAVID FRANCIS, Foreman	Title Foreman	Phone Mobile
Job Contact CODY MOONEY, Consultant	Title Consultant	Phone Mobile
Job Contact CHASE ALDER, Consultant	Title Consultant	Phone Mobile
Job Contact DANIEL MOSHER, 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/C. MOONEY		
1	Operator	HUNT OIL COMPANY	DAVID FRANCIS		
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							Operation Summary	
Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code		
06:00	08:00	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 21: WITH 4,000 GALS 15% HCL, 80,113 LBS 100 MESH SAND, 105,932 LBS 40/70 MESH SAND, 103,528 LBS 30/50 MESH. AVG RATE 81 BPM @ 6,577 PSI PUMP PRESS. FINAL 4,066 PSI, FRAC GRADIENT .916 LTR, 7,727 BBLs.	
08:00	10:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 22 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,900 PSI PUMP PRESSURE, 352 TBBLs PUMPED. SET PLUG @ 15,042' MD, PERFS 15,023'-25', 14,980'-82', 14,947'-49', 14,909'-11' AND 14,871'-73'. POOH, VERIFIED GUNS FIRED.	
10:00	12:00	2.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.	



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API/UWI No. 42461405810000	Surface Legal Location A-U47; SEC. 11; BLK 4; UL SURVEY	Field Name SPRABERRY (TREND AREA)	Well License/Perm... 824982	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 7/19/2017 23:00	Large Rig Spud Date	Rig Release Date 8/7/2017 16:00	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

Time Log							Operation Summary
Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	
12:00	14:00	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 22: WITH 4,000 GALS 15% HCL, 86,501 LBS 100 MESH SAND, 105,106 LBS 40/70 MESH SAND, 102,429 LBS 30/50 MESH. AVG RATE 81 BPM @ 6,522 PSI PUMP PRESS. FINAL 3,877 PSI, FRAC GRADIENT .893 LTR, 7,214 BBLS.
14:00	16:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 23 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,900 PSI PUMP PRESSURE, 363 TBBLs PUMPED. SET PLUG @ 14,844' MD, PERFS 14,828'-30', 14,795'-97', 14,754'-56', 14,719'-21' AND 14,681'-83'. POOH, VERIFIED GUNS FIRED.
16:00	18:00	2.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
18:00	20:30	2.50	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 23: WITH 4,000 GALS 15% HCL, 84,565 LBS 100 MESH SAND, 103,342 LBS 40/70 MESH SAND, 103,211 LBS 30/50 MESH. AVG RATE 80 BPM @ 6,358 PSI PUMP PRESS. FINAL 3,803 PSI, FRAC GRADIENT .884 LTR, 6,988 BBLS.
20:30	23:00	2.50	39STIM, Stim & Treat	PF	c	O	STAGE 24 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,600 PSI PUMP PRESSURE, 284 TBBLs PUMPED. SET PLUG @ 14,662' MD, PERFS 14,643'-45', 14,605'-07', 14,567'-69', 14,527'-29' AND 14,495'-97'. POOH, VERIFIED GUNS FIRED.
23:00	01:30	2.50	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
01:30	04:00	2.50	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 24: WITH 4,000 GALS 15% HCL, 84,067 LBS 100 MESH SAND, 103,107 LBS 40/70 MESH SAND, 103,028 LBS 30/50 MESH. AVG RATE 80 BPM @ 6,108 PSI PUMP PRESS. FINAL 3,691 PSI, FRAC GRADIENT .871 LTR, 7,285 BBLS.
04:00	06:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 25 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,100 PSI PUMP PRESSURE, 260 TBBLs PUMPED. SET PLUG @ 14,472' MD, PERFS 14,448'-50', 14,415'-17', 14,377'-79', 14,339'-41' AND 14,301'-03'. POOH AT TIME OF REPORT.

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	HIGH PRESSURE LINES, OVERHEAD LIFTING WITH CRANE, JOB FOCUS PPE, EXPLOSIVES ON LOCATION, TRIP HAZARDS, EYES ON TASK, LINE OF FIRE.

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

Perforations				
Time	Top (ftKB)	Btm (ftKB)	Current Status	Linked Zone
23:00	13,731.0	13,885.0		
16:00	13,921.0	14,072.0		
10:00	14,111.0	14,265.0		
05:00	14,301.0	14,450.0		
22:15	14,495.0	14,645.0		
14:00	14,681.0	14,830.0		
09:00	14,871.0	15,025.0		
02:00	15,061.0	15,215.0		
20:30	15,257.0	15,405.0		
13:00	15,441.0	15,595.0		
04:45	15,630.0	15,785.0		
22:45	15,821.0	15,975.0		
17:30	16,011.0	16,165.0		
10:15	16,203.0	16,355.0		
03:30	16,398.0	16,545.0		
19:00	16,581.0	16,735.0		
12:00	16,771.0	16,925.0		
06:00	16,961.0	17,112.0		
01:15	17,151.0	17,305.0		

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Original KB Elevation (ft) 2,731.60	KB-Tubing Head Distance (ft)	Original Spud/Spud Rig Date 7/19/2017 23:00	Large Rig Spud Date	Rig Release Date 8/7/2017 16:00	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

## Perforations

Time	Top (ftKB)	Btm (ftKB)	Current Status	Linked Zone
10:30	17,346.0	17,495.0		
03:00	17,531.0	17,682.0		
21:15	17,721.0	17,875.0		
15:30	17,911.0	18,065.0		
10:15	18,101.0	18,255.0		
02:30	18,289.0	18,445.0		
16:00	18,481.0	18,635.0		
09:00	18,671.0	18,825.0		
00:30	18,861.0	19,015.0		
15:00	19,073.0			

## Stimulations Summary

Type	Subtype	Stim/Treat Company
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### Stimulation Intervals

Interval Number	Type	Top (ftKB)	Btm (ftKB)

## Tubing Run

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

Pull Time	Tubing Description	Set Depth (ftKB)	String Max Nominal OD (in)	Weight/Length (lb/ft)	String Grade
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**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
05:00	Primary Single Stage	Casing	Surface Casing, 1,461.0ftKB	DOWELL SCHLUMBERGER
08:05	Top Out	Casing	Surface Casing, 1,461.0ftKB	DOWELL SCHLUMBERGER
06:30	Primary Single Stage	Casing	Intermediate Casing, 5,058.0ftKB	DOWELL SCHLUMBERGER
19:02	Primary Single Stage	Casing	Production Casing, 19,219.0ftKB	DOWELL SCHLUMBERGER

	Job Supplies
1. Job Description	
2. Job Analysis	
3. Job Design	
4. Job Evaluation	
5. Job Posting	
6. Job Interview	
7. Job Offer	
8. Job Training	
9. Job Development	
10. Job Retention	
11. Job Termination	
12. Job Replacement	
13. Job Succession	
14. Job Transfer	
15. Job Promotion	
16. Job Demotion	
17. Job Reassignment	
18. Job Retirement	
19. Job Disability	
20. Job Injury	
21. Job Illness	
22. Job Absence	
23. Job Attendance	
24. Job Punctuality	
25. Job Productivity	
26. Job Quality	
27. Job Quantity	
28. Job Creativity	
29. Job Innovation	
30. Job Problem Solving	
31. Job Decision Making	
32. Job Communication	
33. Job Teamwork	
34. Job Leadership	
35. Job Management	
36. Job Organization	
37. Job Planning	
38. Job Scheduling	
39. Job Prioritization	
40. Job Delegation	
41. Job Supervision	
42. Job Monitoring	
43. Job Evaluation	
44. Job Feedback	
45. Job Coaching	
46. Job Mentoring	
47. Job Sponsorship	
48. Job Advocacy	
49. Job Support	
50. Job Encouragement	
51. Job Inspiration	
52. Job Motivation	
53. Job Commitment	
54. Job Loyalty	
55. Job Dedication	
56. Job Passion	
57. Job Enthusiasm	
58. Job Energy	
59. Job Positivity	
60. Job Optimism	
61. Job Realism	
62. Job Idealism	
63. Job Pragmatism	
64. Job Skepticism	
65. Job Cynicism	
66. Job Apathy	
67. Job Indifference	
68. Job Disinterest	
69. Job Boredom	
70. Job Frustration	
71. Job Anger	
72. Job Sadness	
73. Job Fear	
74. Job Shame	
75. Job Guilt	
76. Job Pride	
77. Job Humility	
78. Job Modesty	
79. Job Simplicity	
80. Job Complexity	
81. Job Clarity	
82. Job Ambiguity	
83. Job Certainty	
84. Job Uncertainty	
85. Job Stability	
86. Job Instability	
87. Job Security	
88. Job Insecurity	
89. Job Confidence	
90. Job Lack of Confidence	
91. Job Trust	
92. Job Mistrust	
93. Job Respect	
94. Job Disrespect	
95. Job Honor	
96. Job Dishonor	
97. Job Dignity	
98. Job Undignity	
99. Job Grace	
100. Job Ungrace	
101. Job Mercy	
102. Job Unmercy	
103. Job Compassion	
104. Job Lack of Compassion	
105. Job Kindness	
106. Job Unkindness	
107. Job Gentleness	
108. Job Ungentleness	
109. Job Patience	
110. Job Impatience	
111. Job Tolerance	
112. Job Intolerance	
113. Job Understanding	
114. Job Misunderstanding	
115. Job Forgiveness	
116. Job Unforgiveness	
117. Job Love	
118. Job Hate	
119. Job Affection	
120. Job Disaffection	
121. Job Friendship	
122. Job Enmity	
123. Job Fellowship	
124. Job Isolation	
125. Job Community	
126. Job Society	
127. Job Culture	
128. Job Tradition	
129. Job Custom	
130. Job Habit	
131. Job Practice	
132. Job Routine	
133. Job Ritual	
134. Job Ceremony	
135. Job Festival	
136. Job Holiday	
137. Job Vacation	
138. Job Leave	
139. Job Absence	
140. Job Presence	
141. Job Participation	
142. Job Non-participation	
143. Job Contribution	
144. Job Non-contribution	
145. Job Service	
146. Job Non-service	
147. Job Help	
148. Job No-help	
149. Job Assistance	
150. Job Hindrance	
151. Job Obstacle	
152. Job Barrier	
153. Job Challenge	
154. Job Opportunity	
155. Job Threat	
156. Job Risk	
157. Job Danger	
158. Job Safety	
159. Job Health	
160. Job Well-being	
161. Job Happiness	
162. Job Unhappiness	
163. Job Joy	
164. Job Sorrow	
165. Job Grief	
166. Job Mourning	
167. Job Bereavement	
168. Job Loss	
169. Job Gain	
170. Job Change	
171. Job Continuity	
172. Job Discontinuity	
173. Job Consistency	
174. Job Inconsistency	
175. Job Uniformity	
176. Job Diversity	
177. Job Similarity	
178. Job Dissimilarity	
179. Job Equality	
180. Job Inequality	
181. Job Fairness	
182. Job Unfairness	
183. Job Justice	
184. Job Injustice	
185. Job Equity	
186. Job Inequity	
187. Job Balance	
188. Job Imbalance	
189. Job Harmony	
190. Job Disharmony	
191. Job Peace	
192. Job Conflict	

Supply Item Description	Unit Label	Total Received	Total Consumed	Inventory On Location
FUEL		68,512.0	68,512.0	0.0



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Primary Job Type 08-Completion	Secondary Job Type Original Completion
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Objective COMPLETE WITH 53 STAGES
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Contractor	Rig Number
------------	------------

AFE Number DD.17.30781.CAP.CMP	Total AFE + Supp Amount (Cost) 5,445,000.00	Daily Field Est Total (Cost) 312,165	Cum Field Est To Date (Cost) 2,353,201
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## Daily Readings

Weather	Temperature (°F)	Road Condition	Rig Time (hr)
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Short Report  
STAGE 25: Fraced with 4,000 gallons 15% HCL acid, 26,543 pounds 100 mesh sand, 148,014 pounds 40/70 mesh sand, and 116,298 pounds 30/50 mesh sand. Average rate 82 (BPM) @ 6,271 (PSI) pump pressure. Load to recover 7,970 barrels.

STAGE 26: Set plug @ 14,282' and perforate five 2' clusters from 14,111'-14,265'. Fraced with 4,000 gallons 15% HCL acid, 29,511 pounds 100 mesh sand, 150,534 pounds 40/70 mesh sand, and 115,725 pounds 30/50 mesh sand. Average rate 81 (BPM) @ 6,146 (PSI) pump pressure. Load to recover 7,798 barrels.

STAGE 27: Set plug @ 14,088' and perforate five 2' clusters from 13,921'-14,072'. Fraced with 4,000 gallons 15% HCL acid, 29,751 pounds 100 mesh sand, 140,016 pounds 40/70 mesh sand, and 118,069 pounds 30/50 mesh sand. Average rate 81 (BPM) @ 5,928 (PSI) pump pressure. Load to recover 8,082 barrels.

STAGE 28: Set plug @ 13,902' and perforate five 2' clusters from 13,731'-13,885'. Fraced with 4,000 gallons 15% HCL acid, 29,243 pounds 100 mesh sand, 133,973 pounds 40/70 mesh sand, and 117,025 pounds 30/50 mesh sand. Average rate 80 (BPM) @ 6,292 (PSI) pump pressure. Load to recover 8,071 barrels.

Attempting to flush wellbore at time of report.

Current Status/OART FLUSH WELLBORE	24 Hour Forecast 24 HR FRAC OPS
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## Daily Contacts

Job Contact DAVID FRANCIS, Foreman	Title Foreman	Phone Mobile
Job Contact CODY MOONEY, Consultant	Title Consultant	Phone Mobile

## Personnel Log

Count	Type	Company	Note	Pers Tot Hrs (hr)	Cum Pers Tot...
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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	07:00	1.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
07:00	10:00	3.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 25: WITH 4,000 GALS 15% HCL, 26,543 LBS 100 MESH SAND, 148,014 LBS 40/70 MESH SAND, 116,298 LBS 30/50 MESH. AVG RATE 82 BPM @ 6,271 PSI PUMP PRESS. FINAL 3,775 PSI, FRAC GRADIENT .881 LTR, 7,970 BBLs.
10:00	12:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 26 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,800 PSI PUMP PRESSURE, 307 TBBLs PUMPED. SET PLUG @ 14,282' MD, PERFS 14,263'-65', 14,225'-27', 14,190'-92', 14,149'-51' AND 14,111'-13'. POOH, VERIFIED GUNS FIRED.
12:00	14:00	2.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.



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Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	
14:00	16:00	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 26: WITH 4,000 GALS 15% HCL, 29,511 LBS 100 MESH SAND, 150,534 LBS 40/70 MESH SAND, 115,725 LBS 30/50 MESH. AVG RATE 81 BPM @ 6,146 PSI PUMP PRESS. FINAL 3,650 PSI, FRAC GRADIENT .866 LTR, 7,798 BBLS.
16:00	18:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 27 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 4,600 PSI PUMP PRESSURE, 298 TBBS PUMPED. SET PLUG @ 14,088' MD, PERFS 14,070'-72', 14,035'-37', 13,997'-99', 13,953'-55' AND 13,921'-23'. POOH, VERIFIED GUNS FIRED.
18:00	20:00	2.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
20:00	22:00	2.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 27: WITH 4,000 GALS 15% HCL, 29,751 LBS 100 MESH SAND, 140,016 LBS 40/70 MESH SAND, 118,069 LBS 30/50 MESH. AVG RATE 81 BPM @ 5,928 PSI PUMP PRESS. FINAL 3,694 PSI, FRAC GRADIENT .872 LTR, 8,082 BBLS.
22:00	00:00	2.00	39STIM, Stim & Treat	PF	c	O	STAGE 28 PERFS: RAN IN HOLE WITH 3-1/8" OD GUNS ON WIRELINE. PUMP DOWN GUNS AT 16 BPM, 5,000 PSI PUMP PRESSURE, 265 TBBS PUMPED. SET PLUG @ 13,902' MD, PERFS 13,883'-85', 13,845'-47', 13,807'-09', 13,769'-71' AND 13,731'-33'. POOH, VERIFIED GUNS FIRED.
00:00	03:00	3.00	39STIM, Stim & Treat	DT	e	O	WAIT TO COMPLETE OPERATIONS ON ADJACENT WELL.
03:00	06:00	3.00	39STIM, Stim & Treat	ST	b	O	FRAC STAGE 28: WITH 4,000 GALS 15% HCL, 29,243 LBS 100 MESH SAND, 133,973 LBS 40/70 MESH SAND, 117,025 LBS 30/50 MESH. AVG RATE 80 BPM @ 6,292 PSI PUMP PRESS. FINAL 3,200 PSI, LTR, 8,071 BBLS.  SCREENED OUT ON FLUSH. ATTEMPTING TO FLOW 2 WELLBORE VOLUMES BACK AT TIME OF REPORT.

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

Safety Checks			
Time	Safety Topic	Type	Com

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

Perforations				
Time	Top (ftKB)	Btm (ftKB)	Current Status	Linked Zone
23:00	13,731.0	13,885.0		
16:00	13,921.0	14,072.0		
10:00	14,111.0	14,265.0		
05:00	14,301.0	14,450.0		
22:15	14,495.0	14,645.0		
14:00	14,681.0	14,830.0		
09:00	14,871.0	15,025.0		
02:00	15,061.0	15,215.0		
20:30	15,257.0	15,405.0		
13:00	15,441.0	15,595.0		
04:45	15,630.0	15,785.0		
22:45	15,821.0	15,975.0		
17:30	16,011.0	16,165.0		
10:15	16,203.0	16,355.0		
03:30	16,398.0	16,545.0		
19:00	16,581.0	16,735.0		
12:00	16,771.0	16,925.0		
06:00	16,961.0	17,112.0		
01:15	17,151.0	17,305.0		
10:30	17,346.0	17,495.0		
03:00	17,531.0	17,682.0		
21:15	17,721.0	17,875.0		
15:30	17,911.0	18,065.0		



# Partner Completion and Workover

Report # 12.0, Report Date: 10/13/2017

Well Name: UNIVERSITY 3-35 #104HB

API/UWI No. 42461405810000	Surface Legal Location A-U47; SEC. 11; BLK 4; UL SURVEY	Field Name SPRABERRY (TREND AREA)	Well License/Perm... 824982	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 7/19/2017 23:00	Large Rig Spud Date	Rig Release Date 8/7/2017 16:00	PBTD (All) (ftKB)	TD All (TVD) (ftKB)

## Perforations

Time	Top (ftKB)	Btm (ftKB)	Current Status	Linked Zone
10:15	18,101.0	18,255.0		
02:30	18,289.0	18,445.0		
16:00	18,481.0	18,635.0		
09:00	18,671.0	18,825.0		
00:30	18,861.0	19,015.0		
15:00	19,073.0			

## Stimulations Summary

Type	Subtype	Stim/Treat Company
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## 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
05:00	Primary Single Stage	Casing	Surface Casing, 1,461.0ftKB	DOWELL SCHLUMBERGER
08:05	Top Out	Casing	Surface Casing, 1,461.0ftKB	DOWELL SCHLUMBERGER
06:30	Primary Single Stage	Casing	Intermediate Casing, 5,058.0ftKB	DOWELL SCHLUMBERGER
19:02	Primary Single Stage	Casing	Production Casing, 19,219.0ftKB	DOWELL SCHLUMBERGER

## Job Supplies

Supply Item Description	Unit Label	Total Received	Total Consumed	Inventory On Location
FUEL		68,512.0	68,512.0	0.0