

Henry Resources LLC
 UnivHope #1811
BLOCK 31
 AFE #: 42-103-36033, Permit # 745198
 Section 18, Block 31, UNIVERSITY LANDS
 1980 FSL & 1980 FWL
 Crane County, Texas
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UNIVHOPE #1811 – SAVANNA #605

SPUD 9/16/12 @ 8:15 AM

Well Name	Univ.Hope #1811			Date:	9/17/2012		Report #	1		Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	W.O.C.				Deviation Surveys		
Depth	769'	Footage	729'	Foreman:	Richard Hardwick 432-553-6153				Depth	Angle	
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		157'	0.20	
1	16"	40	Inc.	8.75	8.3+	29	Depth	Angle	318'	Bulls EYE	
					pH	API WL			525'	0.20	
					9.0				738.00	0.90	
Daily Mud Cost:		\$657		Cumulative Mud Cost:			\$4,587		Cxn Gas		
Daily Well Cost:		\$81,356		Cumulative Well Cost:			\$296,705		Trip Gas		

Well Name	Univ.Hope #1811			Date:	9/18/2012		Report #	2		Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg plug.					Deviation Surveys	
Depth	769'	Footage		Foreman:	Richard Hardwick 432-553-6153					Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		738'	0.90	
1	16"	40	Inc.	8.75	9.8		Depth	Angle			
2	11"	769	Inc.		pH	API WL					
Daily Mud Cost:				Cumulative Mud Cost:			\$4,587		Cxn Gas		
Daily Well Cost:		\$33,434		Cumulative Well Cost:			\$330,200		Trip Gas		

Report Date:	9/17/2012	Well:	Univ.Hope #1811		Drlg Supv	Richard Hardwick	
Casing Setting Depth:	769'		Csg Size:	13 3/8 "	Csg Wt:	48 ppf	
Lead Cement:	280	SXS	Mixed @	13.0	PPG		
Tail Cement:	220	SXS	Mixed @	14.8	PPG		
Plg Dwn @ (Date/Time)	9/17/2012 @ 3:30 AM		Cement Circ.		245	SXS	

Well Name	Univ.Hope #1811			Date:	9/19/2012		Report #	3	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg 11" Inter. Hole @ 76 FPH.				Deviation Surveys	
Depth	2459'	Footage	1690'	Foreman:	Richard Hardwick 432-553-6153				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		1246'	0.90
1	16"	40	Inc.	8.75	10.1	29	Depth	Angle	1752'	Bulls Eye
2	11"	769	Inc.	20.75	pH	API WL			2259'	0.90
					10.0					
Daily Mud Cost:		\$243		Cumulative Mud Cost:			\$4,882		Cxn Gas	
Daily Well Cost:		\$22,205		Cumulative Well Cost:			\$352,344		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/20/2012	Report #	4	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Circulating 8 5/8" Intermediate csg.on bottom			Deviation Surveys	
Depth	3312'	Footage	853'	Foreman:	David Rice	432-661-1168		Depth	Angle

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Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		2765'	1.00
1	16"	40	769	8.75	10.2	29	Depth	Angle	3270'	1.00
2	11"	769	3312	35.00	pH	API WL			W/L	
					10.0					
Daily Mud Cost:		\$364		Cumulative Mud Cost:			\$5,246		Cxn Gas	
Daily Well Cost:		\$25,396		Cumulative Well Cost:			\$377,740		Trip Gas	
Well Name	Univ.Hope #1811			Date:	9/21/2012		Report #	5	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.Plug,float collar				Deviation Surveys	
Depth	3312'	Footage		Foreman:	David Rice 432-661-1168			Depth	Angle	
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys			
1	16"	40	769	8.75	10.1	29	Depth	Angle		
2	11"	769	3312	35.00	pH	API WL				
3	7 7/8	3,312	Inc.		10.0					
Daily Mud Cost:				Cumulative Mud Cost:			\$5,246		Cxn Gas	
Daily Well Cost:		\$149,556		Cumulative Well Cost:			\$527,096		Trip Gas	

Report Date:	9/21/20012	Well:	Univ.Hope #1811		Drlg Supv	David Rice	
Casing Setting Depth:	3312'		Csg Size:	8 5/8 "	Csg Wt:	32 ppf	
Lead Cement:	465	SXS	Mixed @	11.6	PPG		
Tail Cement:	200	SXS	Mixed @	14.8	PPG		
Plg Dwn @ (Date/Time)	9/20/2012 11:36		Cement Circ.		43	SXS	

Well Name	Univ.Hope #1811			Date:	9/22/2012		Report #	6	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 5013' / 69'Per hr.				Deviation Surveys	
Depth	5013'	Footage	1701'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		3740'	1.10
1	16"	40	769	8.75	10.1	29	Depth	Angle	4247'	0.20
2	11"	769	3312	35.00	pH	API WL			4753'	0.20
3	7 7/8	3,312	Inc.	21.75	10.0					
Daily Mud Cost:		\$660		Cumulative Mud Cost:		\$5,806		Cxn Gas		26
Daily Well Cost:		\$24,643		Cumulative Well Cost:		\$551,739		Trip Gas		

Report Date:	9/21/20012	Well:	Univ.Hope #1811		Drlg Supv	David Rice	
Casing Setting Depth:	3312'		Csg Size:	8 5/8 "	Csg Wt:	32 ppf	
Lead Cement:	465	SXS	Mixed @	11.6	PPG		
Tail Cement:	200	SXS	Mixed @	14.8	PPG		
Plg Dwn @ (Date/Time)	9/20/2012 11:36		Cement Circ.		43	SXS	

Well Name	Univ.Hope #1811			Date:	9/23/2012		Report #	7	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 6232' / 53'Per hr.				Deviation Surveys	
Depth	6232'	Footage	1219'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		5260'	0.40

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1	16"	40	769	8.75	10.0	29	Depth	Angle	5766'	0.10
2	11"	769	3312	35.00	pH	API WL				
3	7 7/8	3,312	Inc.	44.50	10.0					
Daily Mud Cost:		\$455		Cumulative Mud Cost:			\$6,261		Cxn Gas	59
Daily Well Cost:		\$23,011		Cumulative Well Cost:			\$574,750		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/24/2012		Report #	8	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 6815' / 76'Per hr.					Deviation Surveys
Depth	6815'	Footage	583'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		6271'	Bullseye
4	7 7/8	6,388	Inc.	5.75	10.0	29	Depth	Angle		
2	11"	769	3312	35.00	pH	API WL				
3	7 7/8	3,312	6388	49.75	11.0					
Daily Mud Cost:		\$370		Cumulative Mud Cost:			\$6,631		Cxn Gas	31
Daily Well Cost:		\$32,748		Cumulative Well Cost:			\$607,498		Trip Gas	126

Well Name	Univ.Hope #1811			Date:	9/25/2012		Report #	9	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 7828' / 42'Per hr.					Deviation Surveys
Depth	7828'	Footage	1013'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		6776'	Bullseye
4	7 7/8	6,388	Inc.	28.25	10.1	30	Depth	Angle	7283'	0.20
2	11"	769	3312	35.00	pH	API WL				
3	7 7/8	3,312	6388	49.75	11.0	5.0				
Daily Mud Cost:		\$7,090		Cumulative Mud Cost:			\$13,721		Cxn Gas	43
Daily Well Cost:		\$42,470		Cumulative Well Cost:			\$649,968		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/26/2012		Report #	10	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 8825' / 16'Per hr.					Deviation Surveys
Depth	8825'	Footage	997'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		7789'	0.70
4	7 7/8	6,388	Inc.	50.75	10.+	32	Depth	Angle	8296'	0.70
2	11"	769	3312	35.00	pH	API WL				
3	7 7/8	3,312	6388	49.75	11.0	5.5				
Daily Mud Cost:		\$2,244		Cumulative Mud Cost:			\$15,965		Cxn Gas	459
Daily Well Cost:		\$15,832		Cumulative Well Cost:			\$665,800		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/27/2012		Report #	11	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 9123' / 15'Per hr.					Deviation Surveys
Depth	9123'	Footage	298'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		8802'	1.30
4	7 7/8	6,388	9096	58.75	10.+	32	Depth	Angle		
5	7 7/8	9,096	Inc.	1.75	pH	API WL				

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3	7 7/8	3,312	6388	49.75	11.0	6.5				
Daily Mud Cost:		\$721		Cumulative Mud Cost:			\$16,686		Cxn Gas	233
Daily Well Cost:		\$39,471		Cumulative Well Cost:			\$705,271		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/28/2012		Report #	12	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 9202' / 8.67'Per hr.				Deviation Surveys	
Depth	9202'	Footage	79'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys			
4	7 7/8	6,388	9096	58.75	9.9+	30	Depth	Angle		
5	7 7/8	9,096	9145	4.75	pH	API WL				
6	7 7/8	9,145	Inc.	6.75	10.5	5.5				
Daily Mud Cost:		\$721		Cumulative Mud Cost:			\$16,686		Cxn Gas	35
Daily Well Cost:		\$39,471		Cumulative Well Cost:			\$739,696		Trip Gas	282

Well Name	Univ.Hope #1811			Date:	9/29/2012		Report #	13	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 9360' / 6-7'Per hr.				Deviation Surveys	
Depth	9360'	Footage	158'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9305'	1.80
4	7 7/8	6,388	9096	58.75	9.9+	29	Depth	Angle		
5	7 7/8	9,096	9145	4.75	pH	API WL				
6	7 7/8	9,145	Inc.	29.75	10.0	7.0				
Daily Mud Cost:		\$1,589		Cumulative Mud Cost:			\$19,510		Cxn Gas	43
Daily Well Cost:		\$31,587		Cumulative Well Cost:			\$771,283		Trip Gas	

Well Name	Univ.Hope #1811			Date:	9/30/2012		Report #	14	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Production hole @ 9555' / 37'Per hr.				Deviation Surveys	
Depth	9555'	Footage	195'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9305'	1.80
4	7 7/8	6,388	9096	58.75	10.1	31	Depth	Angle		
5	7 7/8	9,096	9145	4.75	pH	API WL				
6	7 7/8	9,145	Inc.	53.25	10.5	5.0				
Daily Mud Cost:		\$1,654		Cumulative Mud Cost:			\$21,164		Cxn Gas	35
Daily Well Cost:		\$21,139		Cumulative Well Cost:			\$792,422		Trip Gas	

Well Name	Univ.Hope #1811			Date:	10/1/2012		Report #	15	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	TIH W / PDC Bit #7 @ 8600'				Deviation Surveys	
Depth	9622'	Footage	67'	Foreman:	David Rice 432-661-1168				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys			
7	7 7/8	9,622	Inc.		10.1	31	Depth	Angle		
5	7 7/8	9,096	9145	4.75	pH	API WL				
6	7 7/8	9,145	9622	59.25	10.5	4.0				
Daily Mud Cost:		\$660		Cumulative Mud Cost:			\$21,824		Cxn Gas	43

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Daily Well Cost:	\$33,323	Cumulative Well Cost:	\$825,747	Trip Gas	
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Well Name	Univ.Hope #1811			Date:	10/2/2012	Report #	16	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Prod.hole @ 9977' / 5-8'Per hr.				Deviation Surveys
Depth	9977'	Footage	355'	Foreman:	David Rice	432-661-1168		Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9814'
7	7 7/8	9,622	9977	18.25	10.1	31	Depth	Angle	
5	7 7/8	9,096	9145	4.75	pH	API WL			
6	7 7/8	9,145	9622	59.25	10.0	5.0			
Daily Mud Cost:		\$2,044		Cumulative Mud Cost:		\$23,868		Cxn Gas	58
Daily Well Cost:		\$36,338		Cumulative Well Cost:		\$862,085		Trip Gas	

Well Name	Univ.Hope #1811			Date:	10/3/2012	Report #	17	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Prod.hole @ 10288' / 25-26'Per hr.				Deviation Surveys
Depth	10288'	Footage	312'	Foreman:	David Rice	432-661-1168		Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9814'
7	7 7/8	9,622	9977	18.25	10+	30	Depth	Angle	
8	7 7/8	9,977	Inc.	11.25	pH	API WL			
6	7 7/8	9,145	9622	59.25	11.0	6.5			
Daily Mud Cost:		\$1,373		Cumulative Mud Cost:		\$25,241		Cxn Gas	120
Daily Well Cost:		\$33,410		Cumulative Well Cost:		\$895,495		Trip Gas	590

Well Name	Univ.Hope #1811			Date:	10/4/2012	Report #	18	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Drlg.7 7/8"Prod.hole @ 10773' / 17.5 FPH.				Deviation Surveys
Depth	10775'	Footage	487'	Foreman:	Richard Hardwick	432-553-6153		Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9814'
7	7 7/8	9,622	9977	18.25	10.1	31	Depth	Angle	10319'
8	7 7/8	9,977	Inc.	33.25	pH	API WL			10509'
6	7 7/8	9,145	9622	59.25	10.0	4.0			
Daily Mud Cost:		\$2,783		Cumulative Mud Cost:		\$28,024		Cxn Gas	162
Daily Well Cost:		\$25,238		Cumulative Well Cost:		\$920,200		Trip Gas	

Well Name	Univ.Hope #1811			Date:	10/5/2012	Report #	19	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Slip & Cut drlg. Line.				Deviation Surveys
Depth	10932'	Footage	157'	Foreman:	Richard Hardwick	432-553-6153		Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9814'
7	7 7/8	9,622	9977	18.25	10+	31	Depth	Angle	10319'
8	7 7/8	9,977	10932	43.25	pH	API WL			10509'
9	7 7/8	10,932	Inc.		10.5	5.5			10862.00
Daily Mud Cost:		\$981		Cumulative Mud Cost:		\$29,005		Cxn Gas	126
Daily Well Cost:		\$34,236		Cumulative Well Cost:		\$954,969		Trip Gas	

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Well Name	Univ.Hope #1811			Date:	10/6/2012		Report #	20	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	TD @ 11320'.				Deviation Surveys	
Depth	11320'	Footage	388'	Foreman:	Richard Hardwick 432-553-6153				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		9814'	1.80
7	7 7/8	9,622	9977	18.25	10+	31	Depth	Angle	10319'	2.80
8	7 7/8	9,977	10932	43.25	pH	API WL			10509'	2.90
9	7 7/8	10,932	Inc.	18.50	10.0	5.0			10862.00	3.70
Daily Mud Cost:		\$7,515		Cumulative Mud Cost:			\$36,520		Cxn Gas	141
Daily Well Cost:		\$36,204		Cumulative Well Cost:			\$991.173		Trip Gas	419

Well Name	Univ.Hope #1811			Date:	10/7/2012		Report #	21	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	T.O.O.H for logs @ 3966'.				Deviation Surveys	
Depth	11320'	Footage		Foreman:	Richard Hardwick 432-553-6153				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		11278'	4.30
7	7 7/8	9,622	9977	18.25	10.0	32	Depth	Angle		
8	7 7/8	9,977	10932	43.25	pH	API WL				
9	7 7/8	10,932	Inc.	18.50	10.0	5.0				
Daily Mud Cost:		\$658		Cumulative Mud Cost:			\$37,178		Cxn Gas	141
Daily Well Cost:		\$20,743		Cumulative Well Cost:			\$1,011,916		Trip Gas	419

Well Name	Univ.Hope #1811			Date:	10/8/2012		Report #	22	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	T.I.H @ 11228'.				Deviation Surveys	
Depth	11320'	Footage		Foreman:	Richard Hardwick 432-553-6153				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		11278'	4.30
10	7 7/8	11,320			10.0	32	Depth	Angle		
8	7 7/8	9,977	10932	43.25	pH	API WL				
9	7 7/8	10,932	11320	18.50	10.0	5.0				
Daily Mud Cost:		\$809		Cumulative Mud Cost:			\$37,987		Cxn Gas	
Daily Well Cost:		\$49,688		Cumulative Well Cost:			\$1,061,604		Trip Gas	

Well Name	Univ.Hope #1811			Date:	10/9/2012		Report #	23	Planned TD	11400
Cont/Rig	Savanna Rig #605			Op at RT	Running 5 1/2 casing @ 10779'				Deviation Surveys	
Depth	11320'	Footage		Foreman:	Richard Hardwick 432-553-6153				Depth	Angle
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		11278'	4.30
10	7 7/8	11,320	11320		10.0	36	Depth	Angle		
8	7 7/8	9,977	10932	43.25	pH	API WL				
9	7 7/8	10,932	11320	18.50	10.0	4.0				
Daily Mud Cost:		\$101		Cumulative Mud Cost:			\$38,088		Cxn Gas	
Daily Well Cost:		\$19,036		Cumulative Well Cost:			\$1,080,640		Trip Gas	

Well Name	Univ.Hope #1811	Date:	10/10/2012	Report #	24	Planned TD	11400
Cont/Rig	Savanna Rig #605	Op at RT	Wait on trucks.			Deviation Surveys	

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Depth	11320'	Footage		Foreman:	Richard Hardwick 432-553-6153			Depth	Angle	
Bit No.	Size	In	Out	Hours	Mud Wt.	FV	Deviation Surveys		11278'	4.30
10	7 7/8	11,320	11320		10.0	36	Depth	Angle		
8	7 7/8	9,977	10932	43.25	pH	API WL				
9	7 7/8	10,932	11320	18.50	10.0	4.0				
Daily Mud Cost:				Cumulative Mud Cost:			\$38,088		Cxn Gas	
Daily Well Cost:		\$312,549		Cumulative Well Cost:			\$1,393,189		Trip Gas	

Report Date:	10/10/2012	Well:	Univ.Hope #1811	Drlg Supv	Richard Hardwick
Casing Setting Depth:	11320'	Csg Size:	5 1/2 "	Csg Wt:	17 ppf
Stage #1 Lead Cement:	875	SXS	Mixed @	14.2	PPG
Stage #1 Tail Cement:		SXS	Mixed @		PPG
Stage #2 Lead Cement:	670	SXS	Mixed @	12.5	PPG
Stage #2 Tail Cement:	100	SXS	Mixed @	14.8	PPG
Plg Dwn @ (Date/Time)	10/9/2012 @ 1:07 PM	Stg #2 Cement Circ.			SXS

RIG RELEASE 10/10/12 @ 12:15 AM

10/11/12 WO COMP
10/12/12 WO COMP
10/13/12 WO COMP
10/14/12 WO COMP
10/15/12 WO COMP
10/16/12 WO COMP
10/17/12 WO COMP
10/18/12 WO COMP
10/19/12 WO COMP
10/20/12 WO COMP
10/21/12 WO COMP
10/22/12 WO COMP
10/23/12 WO COMP
10/24/12 WO COMP
10/25/12 WO COMP
10/26/12 WO COMP
10/27/12 WO COMP

10/28/12 WO COMP

10/29/12 WO COMP

10/30/12 WO COMP

10/31/12 WO COMP

11/1/12 WO COMP

11/2/12 WO COMP

11/3/12 WO COMP

11/4/12 WO COMP

11/5/12 WO COMP

11/6/12 DO DV TOOL & TEST ELLENBURGER

Move in Unload and collared 343 Jts 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing and 20 Jts 3-1/2" Drill Collars. Lay 8 Jts 2-3/8" 4.7#, 8rd, EUE, L-80 Tubing to Side of Location. Set 2 rig mats. MIRU Dakota Enterprise Rig # 26. Set 2- 500 Bbl. frac tanks. Filled One Frac Tank with Treated Fresh Water. Set in Reverse Unit and fill Reverse Pit w/ 100 BTFW. N/U 5K 'B' section well head w/ 2 - 5K ball valves, Spool and 3K Manual BOPE. Close BOP blinds. Close all Casing Valves. Secure Well. SDFN.
DC: \$12,200 CC: \$1,405,389 (Bill Arnett)

11/7/12 12 hr SICP = 0 psi. Held Safety Meeting on Tripping Tubing, Drilling out DV Tool and Cement. Open Blind Rams and Fill Casing. Close BOP blinds and pressure test to 1,000 psi for 10 minutes w/ no pressure loss, release pressure. Assemble Drilling BHA Consisting of 4-3/4" Milltooth Skirted Bit, Bit sub, 10 - 3-1/2" Drill Collars. BHA Length = 302.91'. Open BOP Blind Rams. Tally and RIH w/ BHA and Tubing. (New Bit) 4-3/4" Milltooth Skirted Bit, Bit sub, 10 - 3-1/2" Drill Collars, x-over and 62 jt 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing, close BOP 2-7/8" pipe rams and pressure test to 1,000 psi for 10 minutes w/ no pressure loss, release pressure. Open 2-7/8" Pipe Rams and continue to P/U tubing. RU vacuum truck on the casing to catch displacement. RIH w/ Bit BHA and 204 Jts Tubing. Tag Top of Cement @ 7,041'. Top of Cement 12' above DV Tool @ 7,053' with 8' in on Joint #204. P/U swivel, N/U BIW Stripper and Rubber. Broke circulation in reverse mode. Reverse Circulating Pumping 3 BPM @ 400 psi. Drilling with 8 pts on Bit and rotating 90 rpm with 2,100 ft./#s Torque on Bit. Drilled 12' Soft Cement down to DV Tool in 25 minutes. Start drilling on DV Tool at 7,053', drilled DV Tool in 15 minutes. Drill out 15' Hard Cement Below DV Tool to 7,068' with all in on Jt # 204. Did not Finish Drilling Hard Cement below DV Tool. Pick up off Bottom with Bit. Circulate Hole Clean. Reverse Circulating Pumping 4 BPM @ 500 psi. Reverse Circulated Hole clean while rotating and reciprocating the tubing. PUH 35' w/ Bit. EOT (Bit) @ 7,033'. Close 2-7/8" pipe rams. Close Kelly Valve. Close all Casing Valves. Secure Well. SDFN.
DC: \$17,170 CC: \$1,422,559 (Bill Arnett)

11/8/12 12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Drilling out DV Tool, Float Collar, Cement out of Shoe Joint. Open 2-7/8" Pipe Rams. RIH and Tag Top of Cement below DV Tool @ 7,068' with All in on Joint #204. PU Jt # 205 with Power Swivel. Broke circulation in reverse mode. Reverse Circulating Pumping 3 BPM @ 400 psi. Drilled Cement from 7,068' to 7,072'. Fell out of Cement. Drilled Cement in 20 minutes. Pick up 1 more Joint on Swivel did not tag any more cement. Reverse Circulated Hole clean while rotating and reciprocating the tubing. L/D the swivel, RU Elevators and Continue to P/U tubing. RU vacuum truck on the casing to catch displacement. Tag Top of Cement @ 11,261' with 3' out on Jt # 331 (12 Jts out). Top of Cement 41' above Float Collar @ 11,302' (Float Collar 18' above TD @ 11,320'). Lay down 1 jt Tubing. Install and Close TIW Valve. Close BOP 2-7/8" pipe rams. Pressure test Casing, DV

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Tool, 2-7/8" Pipe Rams and TIW Valve to 2,000 psi for 30 minutes w/ no pressure loss, release pressure. Open 2-7/8" Pipe Rams. Open and Remove TIW Valve. RD Elevators. RU Power Swivel. Broke circulation in reverse mode. Reverse Circulating Pumping 3 BPM @ 500 psi. Drilled 41' Soft Cement down to Float Collar. Start drilling on Float Collar at 11,302' with 12' in on Jt #333 (10 Jts Out). Drilled on Float Collar for 75 minutes. Drill out 18' Cement Below Float Collar. Started Drilling Formation @ 11,320' with 3' out on Jts # 333. EOT (Bit) @ 11,323' All in on Jt # 333. PU Bit off Bottom. Reverse Circulate Wellbore Clean. Pumping 3 bpm @ 500 psi. Switched to Clean TFW in Frac Tank. Circulate hole clean to Displace Water used to DO DV Tool and Drill out Cement with Clean TFW. Circulate Hole clean while rotating and reciprocating the tubing. Lay down Power Swivel. RU Elevators. PUH and Lay down 10 Jts 2-7/8", 8rd, EUE, L-80 Tubing. EOT @ 11,158' on 323 Jts. Close 2-7/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$10,070 CC: \$1,432,629 (Bill Arnett)

11/9/12 12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Hazards of Tripping Tubing. Open and Remove TIW Valve. Open 2-7/8" Pipe Rams. POOH and Stand back in Derrick w/ 323 Jts (161 stands) 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing and 10 DC (5 stands DC) Lay down 4-3/4" Skirted, Milltooth Bit. Close Blind Rams. Assemble (2nd Run) Insert Bit on Drilling BHA. BHA Length = 606.91'. RIH w/ BHA and Tubing. (2nd Run) 4-3/4" Insert, Sealed Bearing Bit, Bit sub, 20 - 3-1/2" Drill Collars, x-over and 324 jt 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing. Tag with EOT (Bit) @ 11,323' with 6' out on Joint #324 (19 jts out). RD Elevators. RU Power Swivel. PUH 1 Jt. EOT (Bit) @ 11,296' on 323 Jts. Close BOPE. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFWE.

DC: \$8,594 CC: \$1,441,223 (Bill Arnett)

11/10/12 SDOW

11/11/12 SDOW

11/12/12 60 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Drilling out Open Hole Formation. Open Kelly Valve. Open 2-7/8" Pipe Rams. Break circulation in reverse mode. Reverse Circulating Pumping 2-1/2 BPM @ 400 psi. RIH and Tag Open Hole @ 11,323'. Started Drilling Open Hole Formation @ 11,323'. Circulating Reverse @ 2-1/2 bpm @ 400 psi and with 20k wt on Bit, 80 rpm with 2,200 ft./# Torque on Bit. Drilled 107' of Formation Rock from 11,323' to 11,430' @ 3-1/2 min/ft. penetration rate. EOT (Bit) @ 11,430' All in on Jt # 327. Drilled Total of 110' of Open Hole below Casing Shoe. PU Bit off Bottom. Pumping 3 bpm @ 600 psi. Reverse Circulate Wellbore Clean. Circulate Hole clean while rotating and reciprocating the tubing. Lay down Power Swivel. RU Elevators. PUH 4 Jts. EOT (Bit) @ 11,296' on 323 Jts. Close 2-7/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$13,220 CC: \$1,454,443 (Bill Arnett)

11/13/12 12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Drilling out Open Hole Formation. Open and Remove TIW Valve. Open 2-7/8" Pipe Rams. RIH Tag 6' Fill in Open Hole. Top of 6' Fill @ 11,424'. RD Elevators. RU Power Swivel. Break circulation in reverse mode. Reverse Circulating Pumping 2-1/2 BPM @ 400 psi. Reverse Circulate 6' Fill out of Open Hole. Started Drilling Open Hole Formation @ 11,430'. Circulating Reverse @ 2-1/2 bpm @ 400 psi and with 20k wt on Bit, 80 rpm with 2,200 ft./# Torque on Bit. Drilled 133' of Formation Rock from 11,430' to 11,563' @ 3 min/ft. penetration rate. EOT (Bit) @ 11,563' All in on Jt # 331. Drilled Total of 243' of Open Hole below Casing Shoe. PU Bit off Bottom. Pumping 3 bpm @ 600 psi. Reverse Circulate Wellbore Clean. Circulate Hole clean while rotating and reciprocating the tubing. Lay down Power Swivel. RU Elevators. PUH 8 Jts. EOT (Bit) @ 11,296' on 323 Jts. Close 2-7/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$16,370 CC: \$1,470,813 (Bill Arnett)

11/14/12 12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Drilling out Open Hole Formation. Open and Remove TIW Valve. Open 2-7/8" Pipe Rams. RIH Tag 1' Fill in Open Hole. Top of 1' Fill @ 11,562'. RD Elevators. RU Power Swivel. Break circulation in reverse mode. Reverse Circulating Pumping 2-1/2 BPM @ 400 psi. Reverse Circulate 1' Fill out of Open Hole. Started Drilling Open Hole Formation @ 11,563'.

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Circulating Reverse @ 2-1/2 bpm @ 400 psi and with 20k wt on Bit, 80 rpm with 2,200 ft./# Torque on Bit. Drilled 33' of Formation Rock from 11,563' to 11,596' @ 2-1/2 min/ft. penetration rate. EOT (Bit) @ 11,596' All in on Jt # 332. Drilled Total of 276' of Open Hole below Casing Shoe. PU Bit off Bottom. Pumping 3 bpm @ 600 psi. Reverse Circulate Wellbore Clean. Circulated Hole clean while rotating and reciprocating the tubing. Switched from Reverse Circulating to Circulating Direct Down Tubing and Switched to Clean TFW in Frac Tank. Circulate hole clean to Displace Water used to Drill out Formation with Clean TFW. Pumped 280 BTFW @ 3 bpm @ 600 psi. Circulate Hole clean Direct down Tubing while rotating and reciprocating the tubing. Lay down Power Swivel. RU Elevators. POOH and Stand back in Derrick (120 Stands) 240 Jts 2-7/8", 8rd, EUE, L-80 Tubing. EOT (Bit) @ 3,652' on 92 Jts 2-7/8" Tubing and 20 - 3-1/2" Drill Collars. Close 2-7/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$13,820

CC: \$1,484,633

(Bill Arnett)

11/15/12

12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Tripping Tubing and Logging Well. Open and Remove TIW Valve. Open 2-7/8" Pipe Rams. POOH and Stand back in Derrick 92 Jts 2-7/8", 8rd, EUE, L-80 Tubing and Laydown 20 - 3-1/2" Drill Collars, Bit Sub and 4-3/4" Seal Bearing, Insert Bit. Close Blind Rams. RU Halliburton Logging Equipment. Open Blind Rams. Run GR/CNL and GR/RCDL Log. Top of Cement @ 980'. RD Logging Equipment. RIH w/ 60 Jts 2-7/8" L-80 Tubing. EOT @ 1,988'. Close 2-7/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$11,514

CC: \$1,496,147

(Bill Arnett)

Rig up Halliburton on a Dakota pulling unit. GIH with a GR/CNL/RCBL tool string. Correlated to a Weatherford open hole log dated 10-7-12. Found TD @ 11,158' WL depth. Logged a 400' repeat section. Main pass logged a Gr/CNL from 11,596' to 3,300'. Logged a GR/RCBL from 2,100' to 700' found TOC @ 980'. POH rig down. Deliver logs. Daily cost \$ 5,436. Bob Howard

DC: \$5,436

CC: \$1,501,583

(Bob Howard)

11/16/12

12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Tripping Tubing. Open and Remove TIW Valve. Open 2-7/8" Pipe Rams. POOH and Stand back in Derrick w/ 60 jts 2 7/8" 6.5# EUE 8rd L-80 Tbg used for Kill String. Remove Manual 3k BOP and Mud Cross. Install Hydolic 5k BOP. RIH w/ 2-7/8" 8rd EUE L-80 Tubing, catching tubing displacement w/ vacuum truck. Tubing Installed as Follows: Open Ended Collar, 2-7/8" Seating Nipple, 341 Jts 2-7/8" L-80 Tubing. EOT @ 11,299'. Casing Shoe @ 11,320'. Open Hole f/ 11,320' to 11,596' (276' Open Hole). Close 2-7/8" pipe rams. Install and Open TIW Valve. RU Reverse Unit Pump Lines. Circulating Direct Down Tubing with Clean TFW in Frac Tank. Circulate hole clean to Displace Water in Well with Clean TFW. Pumped 250 BTFW @ 3 bpm @ 600 psi. Circulate Hole clean Direct down Tubing. Make Sure 2-7/8" pipe rams are closed. Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$78,825

CC: \$1,580,408

(Bill Arnett)

Tubing Detail			
Joints	Description (top to bottom)	Footage	Depth
	KB	17	17
341	2 7/8" 6.5# L-80 EUE 8rd Tbg	11,281	11,298
1	2 3/8" 8rd SN	1	11,299

11/17/12

12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Hazards of Removing BOP, Flanging up Wellhead and Rigging Down Pulling Unit. Remove TIW Valve. Open BOP. Tubing Installed as Follows: Open Ended Collar, 2-7/8" Seating Nipple, 341 Jts 2-7/8" L-80 Tubing. EOT @ 11,299'. Casing Shoe @ 11,320'. Open Hole f/ 11,320' to 11,596' (276' Open Hole). N/D the BOP. N/U tubing flange Rig down

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Dakota Enterprise Rig #26. **FINAL REPORT: WBD, COST, PULL REPORT, TBG INV, MT.**

DC: \$4,050

CC: \$1,584,458

(Bill Arnett)

11/18/12 WO COMP

11/19/12 WO COMP

11/20/12 WO COMP

11/21/12 WO COMP

11/22/12 WO COMP

11/23/12 WO COMP

11/24/12 WO COMP

11/25/12 WO COMP

11/26/12 WO COMP

11/27/12 WO COMP

11/28/12 WO COMP

11/29/12 WO COMP

11/30/12 WO COMP

12/1/12 WO COMP

12/2/12 WO COMP

12/3/12 WO COMP

12/4/12 WO COMP

12/5/12 WO COMP

12/6/12 WO COMP

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12/25/12	WO COMP
12/26/12	WO COMP
12/27/12	WO COMP
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12/31/12	WO COMP
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1/20/13 WO COMP

1/21/13 PREP FOR FRAC

Move in All Associated Equipment and Rig. Set 2 Rig Mats. Implemented lock out / tag out on pumping unit control panel box. MIRU Pulling Unit (Dakota Rig # 26). Held Safety Meeting on Pulling and Running Tubing. SITP = 0 psi & SICP = 0 psi. Open Well up. Unflange Well head. Install 3K Manual BOPE with 2-7/8" Pipe Rams. Lay down 27 Jts Tubing. POOH and Stand back in derrick (157 Stands) 314 Jts 2-7/8", 6.5#, L-80 Tubing and Production BHA. Also Left on Side of Location 12 Jts 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing. Total of 353 Jts 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing. Close BOP Blind Rams. Assemble and Install BHA consisting of 5-1/2", 10K CIBP, Setting Tool, 2-7/8" x 4' Perforated Tubing Sub and 2-7/8" Seating Nipple (CIBP BHA = 8.12' to Center of Element on the CIBP). Open Blind Rams. RIH with 5-1/2", 10K CIBP w/ BHA and 314 Jts 2-7/8", 6.5#, L-80 Tubing. Set 5-1/2", 10K CIBP with center of element @ 10,390' with 17' in on Jt # 314. Get off CIBP and Lay down 1 Jt 2-7/8" Tubing. Bottom of Setting tool at 10,370 on 313 Jts Tubing. Install and Close TIW Valve on Tubing. Close all Casing Valves. Close 2-7/8" Pipe Rams. Secure Well. SDFN.

DC: \$9,380 CC: \$1,593,838 (Bill Arnett)

1/22/13 12 hour SITP and SICP -0- psi. Held Safety Meeting on Circulating Well. Pressure Testing CIBP and Casing, Spotting Acid and Tripping Tubing. Open TIW Valve. EOT (Setting Tool) @ 10,370'. RU ProPetro Equipment. Circulate Direct down Tubing with 260 BTFW at 3-1/2 bpm at 900 psi. Tubing Capacity = 60 bbls and Annular Volume = 158 bbls. Total Circulating Volume = 218 bbls. Pumped 31 BTFW before breaking circulation. Continued to Pump remaining 229 bbls at 3-1/2 bpm at 1,000 psi. Circulated well clean. RU Steel Kill lines to Annulus. Prepare to Pressure Test Casing and CIBP to 2,500 psi. Shut in 10K TIW Valve on Tubing. Pressure Casing and RBP to 2,500 psi. Casing and CIBP Held 2,500 psi for 20 minutes with no pressure loss. Released. Bled down pressure to 0 psi. POOH and Lay down 6 Jts 2-7/8", 6.5#, 8rd, EUE, L-80 Tubing. EOT (Setting Tool) @ 10,184' on 307 Jts 2-7/8" L-80 Tubing. RU ProPetro Equipment. **Test 10% Acetic Acid: PH = 1.5; Sg = 1.002 and Acetic Acid Titrates 10%.** RU ProPetro Acid Pump Lines, pumped 5 BTFW to establish circulation at 4 BPM rate @ 1,000 psi, switched to acid and pumped 1,000 gallons of 10% Acidic w/ 2 gallons of inhibitor. Displaced 10% Acetic Acid on Spot w/ 52-1/4 BTFW. Pumped at 4 BPM @ 1,000 psi to Spot Balanced 10% Acetic Acid from 9,047' to 10,184' with tubing in well and EOT @ 10,184'. RD Acid pump truck lines and checked for a balanced spot, checked out OK with both Tubing and Annulus Static. R/D and released ProPetro Acid Equipment. Open 2-7/8" Pipe Rams, lay down 307 Jts 2-7/8" L-80 Tubing, 2-7/8" Seating Nipple Perforated Tubing Sub and

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Setting Tool. **Balanced 10% Acetic Acid Spot in Casing after POOH w/ Tubing at 9,160' to 10,184'.**
Dump 300 # Sand down Casing while pumping Water to Wet Sand and Load Casing. Let Sand Fall to PBTD overnight. Close all Casing Valves. Close Blind Rams. Secure Well. SDFN.
DC: \$11,410 CC: \$1,605,248 (Bill Arnett)

1/23/13 12 hour SICP -0- psi. Held Safety Meeting on Running Sand Line to Tag Sand Fill and Rigging down Pulling Unit. RU 2 Jts 2-7/8" Tubing on Sand Line with Slotted Bull Plug on Top to Attach Sand Line to Tubing. RIH w/ Tubing and Sand Line and Tag Top of Sand Fill @ 10,368'. Found 22' Sand on Top of CIBP Set @ 10,390'. POOH with Sand Line and Tubing. RD Sand Line and Lay down Tubing. Finish Loading Casing with TFW. Remove 3K Manual BOP and Install Cap Flange on 5K 'B' Section. RD Pulling Unit. Clean and Inspect Location. Turn Well over for Frac. **FINAL REPORT: WBD, COST, PULL REPORT, TBG INV, MT.**
DC: \$3,850 CC: \$1,609,098 (Bill Arnett)

1/24/13 WO COMP

1/25/13 WO COMP

1/26/13 WO COMP

1/27/13 WO COMP

1/28/13 WO COMP

1/29/13 WO COMP

1/30/13 WO COMP

1/31/13 WO COMP

2/1/13 Top Perf: 10,176
Bottom Perf: 10,184
Total Fluid: 59,571
Total Sand: 65,940

2/2/13 WO CO

2/3/13 WO CO

2/4/13 WO CO

2/5/13 WO CO

2/6/13 DO/CO PWOP

Unload and collared 327 Jts 2-3/8" L-80 Tubing from Master Tubulars. Set 2 rig mats. MIRU Dakota Enterprise Rig # 26. Set 3- 500 Bbl. frac tanks and a Half Frac Flow back Tank. Filled Brine Water Tank with 300 BTBW. Set in Reverse Unit and fill Reverse Pit w/ 100 BTFW. Open casing and release any trapped pressure, N/D 10K frac valve and 10K 'B' section well head. N/U 5K 'B' section well head w/ 2 - 5K ball valves and 5K Hydraulic BOPE. Close BOP blinds and pressure test to 1,000 psi for 10 minutes w/ no pressure loss, release pressure. Open BOP Blind Rams. Tally and RIH w/ (New Bit) (1st Run) 4-3/4" Hurricane Bit, HR Conventional bit sub w/ Float Insert and 53 jt 2-3/8 tubing, close BOP 2-3/8" pipe rams and pressure test to 1,000 psi for 10 minutes w/ no pressure loss, release pressure and continue to P/U tubing, filling periodically. RU vacuum truck on the casing to catch displacement. RIH w/ Bit, Bit Sub and 104 Jts 2-3/8" L-80 Tubing. EOT (Bit) @ 3,178'. Close BOPE. Install and Close TIW Valve. Close all

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Casing Valves. Secure Well. SDFN.

DC: \$73,180

CC: \$1,750,278

(Bill Arnett)

2/7/13

12 hr SITP = 0 psi and SICP = 0 psi. Held Safety Meeting on Drilling out Composite Plugs, Pressure and Lifting Heavy Overhead Loads. Open 2-3/8" Pipe Rams. Open and Remove TIW Valve. Continue to P/U tubing, filling periodically. RU vacuum truck on the casing to catch displacement. Tag on DV Tool with 4-3/4" (Full Gauge) Hurricane Bit @ 7,072' with 29' in on Jt #228. RU Power Swivel. Install BIW Stripper and Rubber. Ream out DV Tool to Full Gauge with 4-3/4" Hurricane Bit. RD Power Swivel. RU Elevators. Install and Close TIW Valve. Pressure Test Casing and DV Tool to 1,000 psi. Held Pressure. Continue to P/U tubing, filling periodically. RU vacuum truck on the casing to catch displacement. Tag Top of Sand Fill @ 9,696' with 4' of Sand on Top of CBP #1 (Cap Composite Bridge Plug @ 9,700' w/ 23' in on Jt # 311. Lay down 1 Jt Tubing. RU Power Swivel. Establish Circulation Direct down Tubing. Pumping TFW @ 2 bpm @ 700 psi. Returns at 2 bpm water flow. Wash 4' Sand Down to CBP #1 @ 9,700'. Start drilling on CBP #1 (Cap Plug) @ 9,700' on 311 Jts. Pumping TFW @ 2 bpm @ 700 psi and drilled plug in 35 minutes. Returns increased to 3 bpm water flow, No Show of Gas and No Oil Show. Circulated Well with pump rate of 2 bpm at 700 psi Return rate increased to 3 BPM. Circulated wellbore clean while reciprocating and rotating tubing pumping 2 bpm @ 700 psi with Returns same at 3 bpm No Gas Show and No Oil Show. Lay down Power Swivel. RU Elevators. PU tubing. Tagged top of Sand Fill @ 10,256'. Washed and reamed Remains of CBP and 10' of sand down to 10,266'. Top of Fish @ 10,280'. PUH 12' and Circulated wellbore clean while rotating and reciprocating tubing. Pumping 3 bpm TFW @ 1000 psi pump pressure with 4 bpm returns. No Gas Show and No Oil Cut. Lay down 1 Jt Tubing and Power Swivel. RU Elevators. POOH w/ Tubing. Stand back 5 stands (10 Jts) L-80 tubing in the derrick. EOT (Bit) @ 9,973' on 320 Jts Tubing. Close BOPE 2-3/8" pipe rams. Install and Close TIW Valve. Close all Casing Valves. Secure Well. SDFN.

DC: \$10,700

CC: \$1,760,978

(Bill Arnett)

2/8/13

12 hr SITP = 0 psi and SICP = 1,050 psi. Held Safety Meeting on Drilling out Composite Plugs, Pressure and Lifting Heavy Overhead Loads. Blow down Casing Pressure. Open 2-3/8" Pipe Rams. Open and Remove TIW Valve. RIH w/ Tubing. Tagged top of Sand Fill @ 10,265'. Gained 1' of Sand Fill overnight. Washed and reamed Remains of CBP and 1' of sand down to 10,266' (Tubing Tally). Top of Fish @ 10,280' (Wireline Estimate). Unable to make anymore hole and Torque on Swivel acts like Bit is on Top of Fish. PUH 5' and Circulated wellbore clean while rotating and reciprocating tubing. Pumping 3 bpm TFW @ 1000 psi pump pressure with 4 bpm returns. No Gas Show and No Oil Cut. Pumped 2 gallons of bleach and 10 gallons of Corrosion Inhibitor Chemical in the rat hole. Pumped 25 BTBW down Tubing to Spot Chemical and displace fluid out of tubing. Lay down 1 Jt Tubing and Power Swivel. RU Elevators. POOH w/ Tubing. Stand back 5 stands (10 Jts) L-80 tubing in the derrick. EOT (Bit) @ 9,973' on 320 Jts Tubing. Pump Complete Wellbore Circulation with 217 BTBW, (Tbg cap. 39 Bbl. & Annulus cap. 178 Bbl.). Remove BIW Stripper. POOH and Stand back 159 stands (318 Jts) 2-3/8" L-80 Tubing in the derrick. Lay down 1 Jt 2-3/8" Tubing. POOH w/ Total of 330 Jts 2-3/8" L-80 Tubing. Lay down HR Conventional bit sub w/ Float and 4-3/4" Hurricane bit. Assemble Production BHA. RIH w/ Production BHA and Tubing. Production tubing Installed as follows: 2 3/8" 8rd Bull Plug w/ Collar, 2 jt 2 3/8" 4.7# EUE 8rd L-80 Tubing, 2 3/8" Cavins Desander 'D-2303', 2 3/8" 4.7# EUE 8rd X 2' L-80 Tbg sub, 2 3/8" 8rd SN, 3 jts 2 3/8" 4.7# EUE 8rd L-80 Tbg, 2 3/8" x 5 1/2" LHS TAC w/ 35K shear, 322 jts 2 3/8" 4.7# EUE 8rd L-80 Tbg, 1 - 2 3/8" 4.7# EUE 8rd L-80 X 10' Tubing Sub and 1 Jt 2 3/8" 4.7# EUE 8rd L-80 Tubing. Total of 326 Jts 2-3/8" L-80 Tubing and 1 - 2-3/8" X 10' Tubing Sub in Well above Seating Nipple plus 2 Jts 2-3/8" L-80 Tubing below Desander with Bull Plug on bottom. Bull Plug 16' above Top of Fish (Top of Fish @ 10,266' Tubing Tally). Total of 328 Jts and 10' Tubing Sub in well. N/D the BOP. N/U tubing flange and set the TAC w/ 16 pts, set slips and pack off tubing. **EOT @ 10,250', TAC @ 10,089', SN @ 10,185'.** N/U the pumping tee and connections. Install and Close TIW Valve. RU Floor and Equipment for Rods. Close all Casing Valves. Secure Well. SDFWE.

DC: \$16,275

CC: \$1,777,253

(Bill Arnett)

	Tubing Detail		
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Joints	Description (top to bottom)	Footage	Depth
	KB	16	16
1	2 3/8" 4.7# L-80 EUE 8rd Tbg	33	49
1	2 3/8" 4.7# L-80 EUE 8rd Tbg Sub	10	59
322	2 3/8" 4.7# L-80 EUE 8rd Tbg	10,031	10,089
1	2 3/8" x 5 1/2" LHS TAC w/ 35K shear	3	10,092
3	2 3/8" 4.7# L-80 EUE 8rd Tbg	93	10,185
1	2 3/8" Seating Nipple	1	10,186
1	2 3/8" 4.7# L-80 EUE 8rd Tbg sub	2.00	10,188
1	2 3/8" 8rd Cavins Desander D-2303	3.00	10,191
2	2 3/8" 4.7# L-80 EUE 8rd Tbg	58	10,249
1	2 3/8" 8rd bull plug	1	10,250

2/9/13 SDOW

2/10/13 SDOW

2/11/13 60 hr SITP = 0 psi and SICP = 200 psi. Held Safety Meeting on Running Rods. Blow down Casing Pressure. Remove TIW Valve. N/U the rod stripper and running table. RIH with pump and rods as followed: 1" x 12" strainer nipple, New Well 2" x 1 1/4" x 16' x 20' RHBC, DV, Pump # HR - 491, 1 - 1 1/2" Grade 'C' sinker bar w/ SHSM cplg, 1 1/16" OD DonNan 'AT-90' on/off tool, 9 - 1 1/2" Grade 'C' sinker bars w/ SHSM cplgs, 120 - 3/4" Norris '90' rods w/ FHT cplgs, 275 - 3/4" Norris '97' rods w/ FHT cplgs, 1 - 3/4" Norris '97' - 2' pony sub (2') w/ FHT cplgs. P/U 1 1/4" x 26' polish rod w/ 1 1/2" x 16' liner, N/D the rod stripper and running table, Install 2 3/8" x 1 1/2" rod BOP and 2 3/8" x 1 1/2" stuffing box. Seat pump. Load well with 2 BTBW and pressure test to 500 psi w/ no pressure loss, release pressure. Space out pump 24" above the tag. Hang rods on the pumping unit. Start Pumping Unit. Pumped 5 strokes pressured up to 500 psi, Pumped 100 PPS with 102" stroke. Shut down Pumping Unit. Rig down Dakota Enterprise Rig #26. **Pumping Unit running 6 SPM with 102" Stroke Length.** Leave Pumping Unit Down. Turn Well over to Production Department to Hook up Wellhead and Flow line. Start Well Pumping to Production Facilities. **FINAL REPORT: WBD, COST, PULL REPORT, TBG INV, MT.**
DC: \$47,032 CC: \$1,824,285 (Bill Arnett)

Rod Detail			
Rods	Description (top to bottom)	Footage	Depth
1	1 1/4" x 26' polish rod w/ 1 1/2" x 16' liner	26	26
1	3/4" Norris '97' pony subs w/ FHT cplgs (2')	2	28
275	3/4" Norris 97 rods w/ FHT cplgs	6875	6,903
120	3/4" Norris 90 rods w/ FHT cplgs	3000	9,903

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9	1 1/2" Grade 'C' sinker bars w/ SHSM	225	10,128
1	1 1/16" OD DonNan 'AT-90' on/off tool	1	10,129
1	1 1/2" Grade 'C' sinker bars w/ SHSM	25	10,154
1	Henry 2" x 1 1/4" x 16' x 20' RHBC, 3/4" rod pin	20	10,174
	(16' pump with 4' extension), - .006 fit		10,174
	5' Spraymetal grooved plunger w/ Monel ends		10,174
	single travel valve, double standing valve		10,174
	1" x 12" Strainer Nipple HP # 491		10,174

3/20/13

PREP FOR FRAC

Road rig from University Sherry 2010. Shut down pumping unit and leave on downstroke. Set in rig mats and MIRU J&M 106. Verify via derrick hand that upper section locking devices on derrick are engaged. Bleed down pressure on tubing. Remove pumping unit head. Lay down polish rod, stuffing box, and rod BOP. P/U one Norris 97 rod and tie onto rod string. Pull up 10K over string weight and unseat pump-tubing on vacuum. Lay down 3 rods and re-install rod BOP, stuffing box, and polish rod. Leave well open down flowline. Secure well for night.

DC: \$2,540

CC: \$1,826,825

(Nathan Briles)

3/21/13

Arrive on location. Bleed pressure off tubing and tie on Dependable Well Service Hot Oiler w/ 50 bbls. oil from Univ. Hope battery. Pump hot oil @ 200 degrees @ 1 BPM.- tubing on vacuum. Rig down Hot Oiler. Remove rod BOP, stuffing box and polish rod. Begin laying down rod string listed below on gooseneck trailer- 23 rod cplgs. out of top 120 rods need to be replaced when run back in well due to wear on one side. All rods check good for pitting in bodies. Weight bars check good for pitting and wear. Function rod pump on surface- check good- call Don-Nan to have picked up for R & R before run back in well. Move gooseneck with rods to side of location and set in tubing seals. Change over rig equipment to pull tubing. P/U 2 3/8 L-80 tubing sub and tie onto string. Remove 2 3/8 tubing slips and hangar flange. Slack off tubing weight to neutral (46K) and unset TAC. Slack off- string travelling downhole with no problem. Pull TAC up wellbore one jt. without any problem. Install 5K hydraulic BOP w/ new 2 3/8 pipe rams. Begin POOW w/ tubing and Production BHA. Lay down 22 jts. on tubing seals. Begin trickling water down casing @ 1 BPM. Continue POOW standing back tubing in derrick- 73 stands to derrick. Wind became issue, so decided to secure well and attempt to fill casing and circulate wellbore w/ FW- EOT @ 5016'. Pump total 240 bbls. FW and filled casing and tubing. Reverse-circulate wellbore w/ 120 bbls. FW- at end of circulation recovering clear water and well went static once pump was off wellbore. Secure tubing and casing valves for night.

DC: \$9,059

CC: \$1,836,209

(Nathan Briles)

	RECOVERED Rod Detail		
Rods	Description (top to bottom)	Footage	Depth
1	1 1/4" x 26' polish rod w/ 1 1/2" x 16' liner	26	26
1	3/4" Norris '97' pony subs w/ FHT cplgs (2')	2	28
275	3/4" Norris 97 rods w/ FHT cplgs	6875	6,903
120	3/4" Norris 90 rods w/ FHT cplgs	3000	9,903

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9	1 1/2" Grade 'C' sinker bars w/ SHSM	225	10,128
1	1 1/16" OD DonNan 'AT-90' on/off tool	1	10,129
1	1 1/2" Grade 'C' sinker bars w/ SHSM	25	10,154
HP-491	Henry 2" x 1 1/4" x 16' x 20' RHBC, 3/4"rod pin	20	10,174
	(16' pump with 4' extension), - .006 fit		
	5' Spraymetal grooved plunger w/ Monel ends		
	single travel valve, double standing valve		
	1" x 12" Strainer Nipple		

3/22/13

Arrive on location- well static. Begin trickling FW down casing while continue POOW w/ tubing- pump total of 72 bbls. to fill casing. Recover all tubing and Production BHA listed below. Close BOP and rig up API Wireline 5K lubricator. Make up 10K CIBP and open up BOP. RIW w/ CIBP and correlate back to CCL log- utilize short joint and 2 collars above desired setting depth of 9320'. Set CIBP @ 9320' and pull up hole 100' w/ wireline. Run back down and tag plug to verify had not turned loose. POOW w/ setting tool and close BOP. Load casing with 16 additional bbls. FW (fluid level fell while running in hole w/ wireline). Pressure up on CIBP to 2500 psi- hold for 10 minutes- no leakoff detected. M/U wireline bailer and dump 150# (3 bags) of sand in bailer. RIW w/ bailer and tag CIBP @ 9320'. Dump sand out of bailer and pull up hole 700' and wait 15 minutes to allow sand to settle. Correlate CCL to collars above top of CIBP to verify exact depth of top of sand. RIW and tag top of sand @ 9303'. POOW w/ bailer and close BOP. Rig down API Wireline and pressure up on sand and plug to 2500 psi. for 30 minutes- no leakoff detected. M/U 2 3/8 SN on bottom of 2 3/8 L-80 tubing and RIW. Run total of 296 jts. tubing- EOT @ 9253'. Secure well and displace wellbore and tubing w/ 200 bbls. FW- circulated out oil and produced water while displacing. Shut down pumping- secure tubing and casing valves for weekend.

DC: \$12,089

CC: \$1,848,298

(Nathan Briles)

	RECOVERED Tubing Detail		
Joints	Description (top to bottom)	Footage	Depth
1	2 3/8" 4.7# L-80 EUE 8rd Tbg	33	33
1	2 3/8" 4.7# L-80 EUE 8rd Tbg Sub	10	43
322	2 3/8" 4.7# L-80 EUE 8rd Tbg	10,031	10,073
1	2 3/8" x 5 1/2" LHS TAC w/ 35K shear	3	10,076
3	2 3/8" 4.7# L-80 EUE 8rd Tbg	93	10,169
1	2 3/8" Seating Nipple	1	10,170
1	2 3/8" 4.7# L-80 EUE 8rd Tbg sub	2.00	10,172
1	2 3/8" 8rd Cavins Desander D-2303	3.00	10,175
2	2 3/8" 4.7# L-80 EUE 8rd Tbg	58	10,233
1	2 3/8" 8rd bull plug	1	10,234

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3/23/13 SDOW

3/24/13 SDOW

3/25/13 Arrive on location- well static. Rig up Pro Petro Services on tubing. Titrate acid @ 11% Acetic, Specific Gravity- 1.015, PH-2. Prime pump and pump acid as follows:10 bbls. FW spacer @ 2 BPM, 23.8 bbls. Acid @ 1 BPM 31 bbls. FW flush @ 2 BPM. Acid spotted from 8137'-9237'. Send returns while pumping back to half-frac flowback tank. Shut down pumping- well static. Rig down Pro Petro Services and prepare to lay down tubing. Open BOP and lay down 296 jts. 2 3/8 L-80 tubing and 2 3/8 SN on bottom jt. Close blind rams on BOP and fill casing with 14 bbls. FW. Pressure up on casing to 2000 psi- hold for 10 minutes- no leakoff detected. Nipple down 5K BOP and clean location. Nipple down 5K Production Wellhead. Receive 10K Frac Wellhead and Frac Valve from Wellhead Specialties. Install same and secure well. Rig down J & M 106 and move to side location. Triple A Testers scheduled to test casing, Frac Wellhead and Frac Valve to 5500 psi Tues. morning.
DC: \$10,479 CC: \$1,858,777 (Nathan Briles)

3/26/13 WO COMP

3/27/13 WO COMP

3/28/13 WO COMP

3/29/13 WO COMP

3/30/13 WO COMP

3/31/13 WO COMP

4/1/13 WO COMP

4/2/13 WO COMP

4/3/13 Top Perf: 9,100
Bottom Perf: 9,228
Total Fluid: 337,035
Total Sand: 288,180

4/4/13 WO CO

4/5/13 DO/CO PWOP

Held Safety Meeting. Move in set Tbg sills, and unload 298 Jts 2 3/8" od L-80 Tbg. Mi Half Frac, and set up. Mi Rev Unit and Pit Equipment, and Ru. Unload 5K Production Wellhead. Nipple down 10K Frac Valve, and Frac Head. Install production wellhead and 5K Bop. Tie in Bop, Reverse pump, and Half Frac to flowback Manifold. Pressure up on Casing, Blind rams, flowback manifold, and reverse pump manifold to 1000 Psi for 10 minutes (ok).Rih w/ New 4 3/4" FBCS Hurricane Bit, and rebuilt float sub on 1 jt 2 3/8" od L-80 Tbg. Pull up against pipe rams. Pressure up on pipe rams, and float to 1000 Psi (ok).Open Bop. Rih picking up singles w/ 288 Jts 2 3/8" Tbg. Tag on CBP # 1 @ 8981'. Lay down one jt. Ru and install Power Swivel. Pumped 190 BBW to displace fluid in hole. Close Bop. Close all valves on wellhead. Secure Well. SIOW.
DC: \$17,262 CC: \$2,025,039 (Woody Bryant)

4/6/13 SDOW

4/7/13 SDOW

4/8/13 Held safety meeting. RIH w/1 jt 2 3/8" tbg to CBP # 1 tag @ 8970'. **CBP #1- 8970'- Drill out in 20 minutes**, +100 psi differential under plug- water in returns. Top of sand Plug #2- Tag 9109'; Drill plug remnants and sand from 9109'- 9164' (55') in 20 minutes . **CBP #2- 9164'- Drill out in 20 minutes**, +100 psi differential under plug- water in returns. **RIH w/ 2 3/8" tbg to 9228'. CO sand to 9248'. Set down on hard surface 9248'. Appears CIBP @ 9248' in lieu of 9320'.** Lay down 2 jts 2 3/8" tbg. Circulate 1.5 hrs. @ 3 BPM (195 bbls) to clean up returns. Circulate w/200 bbls weighed 10# BW. After circulating casing pressure at 450 psi and flowing. Turn well to half frac and left flowing overnight with 2" choke on discharge line open. SDFN.
DC: \$13,255 CC: \$2,038,294 (Woody Bryant)

4/9/13 Held safety meeting. CSIP: 120 psi. Flowback 2400 BPW overnite. RIH w/2 jts 2 3/8" L-80 tbg tag hard spot, drilled through hard spot (appeared pieces of two previous CBP and sand DO) within couple minutes, continue down hole to CIBP in tack and required set place of 9320' by tagging top of sand at 9303'. Circulate well for 1.5 hrs until clean. Circulate 200 10# BBW to stabilize well. POOH standing back in derrick w/296 jts 2 3/8" L-80 tbg. lay down 2 jts 2 3/8" L-80 tbg. Drop 10 sticks of "White Magic Dynasticks" down well bore. RIH w/1 - 2 3/8" BP, 1 jt. - 2 3/8" L-80 tbg, 1 - 2 3/8" 8rd Cavins Desander D-2303, 1 - 2 3/8" L-80 EUE 8rd tbg sub 2', 1 - 2 3/8" SN, 5 - jts 2 3/8" L-80 EUE 8RD tbg, 1 - 2 3/8"x 5 1/2" LHS TAC w/35k shear. RIH w/290 jts 2 3/8"EUE 8rd L-80 tbg. ND hydraulic BOP. Install wellhead assembly , attempt to set TAC 15 pts over. **TAC would not set. Move up hole 1 jt and tried to set TAC no success. RU rev unit and circulate wellbore conventional and reverse, tried to set TAC again with no success. Move uphole 2 jts and tried to set TAC no success. Remove wellhead assembly and install BOP. Close all well head valves and BOP. SDFN.**
DC: \$11,675 CC: \$2,049,969 (Woody Bryant)

	Tubing Detail		
Joints	Description (top to bottom)	Footage	Depth
	KB	16	16
290	2 3/8 6.5# EUE 8rd L-80 tbg	9,055	9,071
1	2 3/8x5 1/2 LHS TAC w/ 35k shear	3	9,074
5	2 3/8 6.5# EUE 8rd L-80 tbg	154	9,228
1	2 3/8 8rd S.N.	1	9,229
1	2 3/8 6.5# EUE 8rd J-55 Perforated tbg sub	2	9,231
1	2 3/8" *rd Cavins Desander D-2303	3	9,234
1	2 3/8 6.5# EUE 8rd L-80 tbg	31	9,265
1	2 3/8 8rd Bull Plug	1	9,266

4/10/13 CSIP: 550 psi. Held safety meeting. Open well to half and release pressure. Open BOP and POOH w/290 jts 2 3/8" L-80 tbg. Found TAC with strip of rubber jammed inside slips, shear pin gone. RIH w/new TAC on 231 jts 2 3/8" L-80 tbg.(w/1 - 2 3/8" BP, 1 jt. - 2 3/8" L-80 tbg, 1 - 2 3/8" 8rd Cavins Desander D-2303, 1 - 2 3/8" L-80 EUE 8rd tbg sub 2', 1 - 2 3/8" SN, 5 - jts 2 3/8" L-80 EUE 8RD tbg.) **Tbg going in hole stopped abruptly @ 7095'. Pull up hole and attempt to set TAC with no success. Appears TAC sheared. Ran tbg in hole slowly past previous stop point of 7095' found no blockage while going in slow. POOH w/230 jts 2 3/8" L-80 tbg to inspect TAC. TAC showed no signs of metal nicks/damage or wear. TAC was sheared.** Circulate 50 BBW down tbg to keep well stabilized.

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RIH w/290 jts 2 3/8"EUE 8rd L-80 tbg w/ new TAC easing TAC through 7095' area (.w/1 - 2 3/8" BP, 1 jt. - 2 3/8" L-80 tbg, 1 - 2 3/8" 8rd Cavins Desander D-2303, 1 - 2 3/8" L-80 EUE 8rd tbg sub 2', 1 - 2 3/8" SN, 5 - jts 2 3/8" L-80 EUE 8RD tbg.) Pump 35 BBW down tbg to stabilize well. ND hydraulic BOP. Install wellhead assembly, set TAC 15 pts over. Install pumping tee and valve assembly, rod table. Prepped all rods to RIH. SDFN

DC: \$10,390

CC: \$2,064,154

(Manny Salazar)

	Tubing Detail		
Joints	Description (top to bottom)	Footage	Depth
	KB	16	16
290	2 3/8 6.5# EUE 8rd L-80 tbg	9,055	9,071
1	2 3/8x5 1/2 LHS TAC w/ 35k shear	3	9,074
5	2 3/8 6.5# EUE 8rd L-80 tbg	154	9,228
1	2 3/8 8rd S.N.	1	9,229
1	2 3/8 6.5# EUE 8rd J-55 Perforated tbg sub	2	9,231
1	2 3/8" *rd Cavins Desander D-2303	3	9,234
1	2 3/8 6.5# EUE 8rd L-80 tbg	31	9,265
1	2 3/8 8rd Bull Plug	1	9,266

4/11/13

TSIP: 550 psi. Held safety meeting. Bleed off pressure to half frac. RIH pump HR# 491, 2" x 1 1/4"x 20' RHBC, 3/4" rod pin (16' pump w/4' extension), -.006 fit, 5' spray metal grooved plunger w/monel ends, single travel valve, double standing valve and 1 1/4"x 12" gas anchor, 1 - 1 1/2" grade C sinker bar w/SHSM cplg, 1 - 1 1/16 DonNan AT-110 on/off tool, 9 - 1 1/2" grade C sinker bars w/SHSM cplgs, 120 - 3/4" Norris 90 rods w/FHT cplgs, 236 - 3/4" Norris 97 rods w/FHT cplgs, 3 - 7/8" Norris 97 rod subs (4',6',8'), 1 - 1 1/4 x 26' polish rod w/1 - 1 1/2"x16' liner, Removed rod BOP and elevator plate/table, installed PR, BOP and wellhead accessories. Hang pumping unit head. Start Pumping Unit. Pumped 5 strokes pressured up to 500 psi. Rigged down J&M rig. Leave Pumping Unit Down. Turn Well over to Production .

DC: \$10,390

CC: \$2,064,154

(Manny Salazar)

	Rod Detail		
Rods	Description (top to bottom)	Footage	Depth
1	1 1/4" x 26' polish rod w/ 1 1/2" x 16' liner	26	26
3	7/8" Norris '97' pony subs w/ FHT cplgs (4',6',8)	18	44
236	3/4" Norris 97 rods w/ FHT cplgs	5900	5,944
120	3/4" Norris 90 rods w/ FHT cplgs	3000	8,944
9	1 1/2" Grade 'C' sinker bars w/ SHSM	225	9,169
1	1 1/16" OD DonNan 'AT-100' on/off tool	1	9,170

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1	1 1/2" Grade 'C' sinker bars w/ SHSM	25	9,195
1	Henry 2" x 1 1/4" x 16' x 20' RHBC, 3/4"rod pin	20	9,215
	(16' pump with 4' extension), - .006 fit		9,215
	5' Spraymetal grooved plunger w/ Monel ends		9,215
	single travel valve, double standing valve		9,215
	1-1/4" x 12" Strainer Nipple HP #491		9,215