Tubing Summary

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)
24.50	3,439.50		

Land - Original Hole, 8/12/2014 9:15:00 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
24.6	24.6	0.3
29.5	29.5	0.3
674.3	674.3	0.1
1,258.8	1,258.8	0.3
4,164.6	4,163.1	2.1
6,331.4	6,328.4	3.4
6,947.5	6,944.5	4.3
8,817.5	8,812.4	87.1
9,116.8	8,815.0	90.4
10,016.5	8,813.6	91.3
10,136.1	8,811.4	91.3
10,217.8	8,809.4	90.8
10,317.8	8,808.6	90.1
10,418.0	8,808.2	90.4
10,518.6	8,807.4	90.6
10,618.1	8,807.6	89.3
10,717.8	8,809.3	88.7
10,817.9	8,811.8	88.3
10,918.5	8,814.7	88.5
11,018.5	8,817.4	88.5
11,118.1	8,818.5	89.1
11,216.9	8,821.8	89.1
11,316.5	8,823.5	87.9
11,417.8	8,825.3	89.8
11,517.1	8,825.0	90.4
11,616.1	8,824.4	90.2
11,716.1	8,824.5	89.6
11,816.8	8,824.8	90.0
11,917.8	8,824.6	90.8
12,017.1	8,822.4	90.9
12,117.1	8,820.3	91.7
12,216.8	8,818.8	92.3
12,316.8	8,818.4	91.8
12,417.8	8,818.0	91.9
12,517.1	8,818.1	90.2
12,617.1	8,818.2	88.7
12,716.8	8,818.4	88.8
12,816.8	8,818.7	88.5
12,917.8	8,819.0	88.9
13,017.1	8,819.6	89.3
13,117.1	8,819.3	88.9
13,216.8	8,820.8	89.3
13,316.8	8,821.8	89.9
13,441.8	8,821.1	90.5
13,517.1	8,821.7	88.9
13,629.8	8,824.1	88.2
13,665.7	8,825.8	88.5
13,788.1	8,828.6	88.8

Vertical schematic (actual)

1-1; Tubing; 2 7/8; 2.441; -8; 31.85
1-2; Tubing Pup Joint; 2 7/8; 2.441; 24; 24.00
1-3; Tubing; 2 7/8; 2.438; 48; 8,883.63
1-4; T2 On-Off Tool; 2 7/8; 2.313; 8,931; 1.25
1-5; Packer; 4 1/2; 2.440; 8,933; 8.50
1-6; Tubing Pup Joint; 2 7/8; 2.441; 8,941; 5.60
1-7; 2.313 XN - Nipple; 2 7/8; 2.205; 8,947; 0.80
1-8; Tubing Pup Joint; 2 7/8; 2.441; 8,948; 3.90
1-9; Wireline Guide; 3 11/16; 2.441; 8,952; 0.46

Tubing Strings

Tubing Description	Planned Run?	Set Depth (MD) (ftKB)	Set Depth (TVD) (ftKB)
Tubing - Production	N	8,952.0	8,949.0

Run Date	Run Job	Pull Date	Pull Job
8/12/2014	Complete, 7/9/2014 07:00		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing	2 7/8	2.441	6.50	L-80		31.85	-8.0	23.9
3	Tubing Pup Joint	2 7/8	2.441				24.00	23.9	47.9
280	Tubing	2 7/8	2.437	6.50	L-80		8,883.63	47.9	8,931.5
1	T2 On-Off Tool	2 7/8	2.313				1.25	8,931.5	8,932.7
1	Packer	4 1/2	2.440				8.50	8,932.7	8,941.2
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		5.60	8,941.2	8,946.8
1	2.313 XN - Nipple	2 7/8	2.205				0.80	8,946.8	8,947.6
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		3.90	8,947.6	8,951.5
1	Wireline Guide	3 11/16	2.441				0.46	8,951.5	8,952.0

Rod Strings

Rod Description	Planned Run?	Set Depth (ftKB)	Set Depth (TVD) (ftKB)

Run Date	Run Job	Pull Date	Pull Job

Rod Components

Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Btm (ftKB)

Report Printed: 9/18/2014

Casing Summary

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Surface, Planned?-N, 1,250ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
1,250		13 3/8		13 Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Wellhead	13 3/8	12.715	48.00	H-40	ST&C	24	28	3.95		
1	Pup Joint	13 3/8	12.715	48.00	H-40	ST&C	28	32	4.00		
19	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	32	831	798.59		
1	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	831	874	43.78		740.0
8	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	874	1,205	330.35		
1	Float Collar	13 3/8	12.715			ST&C	1,205	1,206	1.38		
1	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	1,206	1,248	42.15		
1	Float Shoe	13 3/8	12.715			ST&C	1,248	1,250	1.80		

Intermediate Casing 1, Planned?-N, 5,040ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
5,040		9 5/8		35 Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Pup Joint + Hanger	9 5/8	8.844	40.00	HCK-55	LT&C	25	30	5.00		
127	Casing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	30	4,963	4,933.59		
1	Float Collar	9 5/8	8.844			LT&C	4,963	4,964	1.23		
2	Casing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	4,964	5,038	73.95		
1	Float Shoe	9 5/8	8.844			LT&C	5,038	5,040	1.63		

Production Casing, Planned?-N, 13,788ftKB

Set Depth (MD) (ftKB)	Set Tension (kips)	String Nominal OD (in)	String Min Drift (in)	Centralizers	Scratchers
13,788		5 1/2		Tesco & Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Casing Hanger	5 1/2	4.778	20.00	L-80		24	24	0.29		8,830.0
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		24	28	3.30		8,830.0
349	Casing Joint	5 1/2	4.778	20.00	L-80		28	13,602	13,573.89		8,830.0
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		13,602	13,610	8.31		8,830.0
1	Toe Sleeve (RSCI)	5 1/2	4.778	20.00	L-80		13,610	13,615	5.51		8,830.0
1	Casing Joint	5 1/2	4.778	20.00	L-80		13,615	13,656	40.81		8,830.0
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		13,656	13,665	8.45		8,830.0
1	Landing Collar	5 1/2	4.778	20.00	L-80		13,665	13,666	1.00		8,830.0
1	Casing Joint	5 1/2	4.778	20.00	L-80		13,666	13,706	40.77		8,830.0
1	Float Collar	5 1/2	4.778	20.00	L-80		13,706	13,708	1.33		8,830.0
2	Casing Joint	5 1/2	4.778	20.00	L-80		13,708	13,786	78.68		8,830.0
1	Float Shoe	5 1/2	4.778	20.00	L-80		13,786	13,788	1.53		8,830.0

Report Printed: 9/24/2014

Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Original Hole

Wellbore Name	Directional Type	Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Horizontal	8,600	179.56

Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
17 1/2	24.5	1,260.0
12 1/4	1,260.0	5,050.0
8 3/4	5,050.0	13,806.0

<typ>, <make> on <dttmstart>

Type	Install Date

Des	Make	Model	WP (psi)	Service	SN

Surface, Planned?-N, 1,250ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Surface	Original Hole	5/19/2014	1,250	-24.0	

Centralizers	Scratchers
13 Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Wellhead	13 3/8	12.715	48.00	H-40		ST&C	3.95	24	28
1	Pup Joint	13 3/8	12.715	48.00	H-40		ST&C	4.00	28	32
19	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	798.59	32	831
1	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	43.78	831	874
8	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	330.35	874	1,205
1	Float Collar	13 3/8	12.715				ST&C	1.38	1,205	1,206
1	Casing Joint	13 3/8	12.715	48.00	H-40		ST&C	42.15	1,206	1,248
1	Float Shoe	13 3/8	12.715				ST&C	1.80	1,248	1,250

Intermediate Casing 1, Planned?-N, 5,040ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Intermediate Casing 1	Original Hole	5/24/2014	5,040	-24.6	

Centralizers	Scratchers
35 Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Pup Joint + Hanger	9 5/8	8.844	40.00	HCK-55		LT&C	5.00	25	30
127	Casing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	4,933.59	30	4,963
1	Float Collar	9 5/8	8.844				LT&C	1.23	4,963	4,964
2	Casing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	73.95	4,964	5,038
1	Float Shoe	9 5/8	8.844				LT&C	1.63	5,038	5,040

Production Casing, Planned?-N, 13,788ftKB

Casing Description	Wellbore	Run Date	Set Depth (MD) (ftKB)	Stick Up (ftKB)	Set Tension (kips)
Production Casing	Original Hole	6/7/2014	13,788	-24.1	

Centralizers	Scratchers
Tesco & Bow Spring	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Casing Hanger	5 1/2	4.778	20.00	L-80			0.29	24	24
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			3.30	24	28
349	Casing Joint	5 1/2	4.778	20.00	L-80			13,573.89	28	13,602
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			8.31	13,602	13,610
1	Toe Sleeve (RSCI)	5 1/2	4.778	20.00	L-80			5.51	13,610	13,615
1	Casing Joint	5 1/2	4.778	20.00	L-80			40.81	13,615	13,656
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80			8.45	13,656	13,665
1	Landing Collar	5 1/2	4.778	20.00	L-80			1.00	13,665	13,666
1	Casing Joint	5 1/2	4.778	20.00	L-80			40.77	13,666	13,706
1	Float Collar	5 1/2	4.778	20.00	L-80			1.33	13,706	13,708
2	Casing Joint	5 1/2	4.778	20.00	L-80			78.68	13,708	13,786
1	Float Shoe	5 1/2	4.778	20.00	L-80			1.53	13,786	13,788

Report Printed: 9/24/2014

Cement Summary

Production Casing Cement

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Production Casing Cement, Casing, 6/8/2014 10:00

Cementing Start Date	Cementing End Date	Wellbore
6/8/2014	6/8/2014	Original Hole

Evaluation Method	Cement Evaluation Results
Returns to Surface	Fluid returns to surface until 210 bbls into displacement.

Comment

1, 4,550.0-13,806.0ftKB

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)	Top Plug?	Bottom Plug?
4,550.0	13,806.0	N		N	N

Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)
6	3.5	6	1,320.0	1,803.0

Pipe Reciprocated?	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)
N			N	

Depth Tagged (MD) (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	Drill Out Date

Lead

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Lead		660		299.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
4,550.0	8,536.0	75.0	2.54	15.07

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	11.30		6.10	

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Lead		345		99.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
8,536.0	9,786.0	75.0	1.61	8.10

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	13.20		5.25	

Cement Fluid Additives

Add	Type	Conc

Tail

Fluid Type	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl)
Tail		535		249.0

Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)
9,786.0	13,806.0	35.0	2.60	11.14

Free Water (%)	Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
	15.00		6.30	

Cement Fluid Additives

Add	Type	Conc

Casing, Liner and Cement report

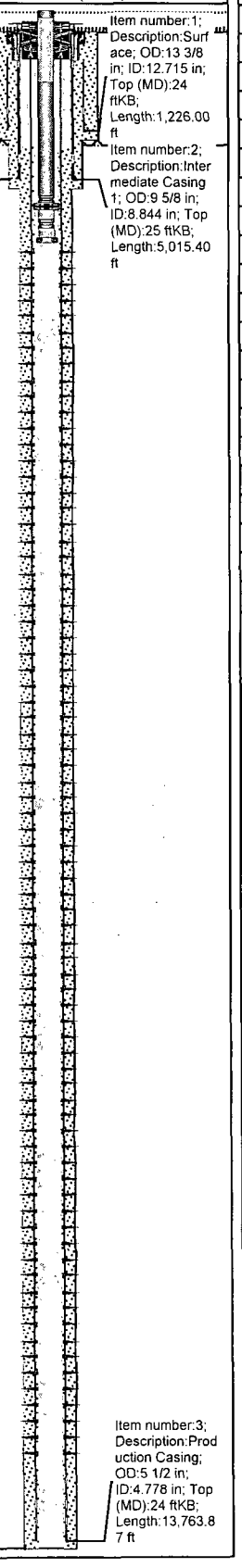
Production Casing

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Land - Original Hole, 9/18/2014 1:33:01 PM

MD (ftKB)	Incl (°)	TVD (ftKB)
24.6	0.3	24.6
29.5	0.3	29.5
874.3	0.1	874.3
1,250.0	0.3	1,250.0
4,964.6	2.1	4,963.1
6,931.4	3.4	6,928.4
6,947.5	4.3	6,944.5
9,817.9	87.1	9,512.4
9,918.0	90.4	9,515.0
10,018.0	91.3	9,513.8
10,118.1	91.3	9,511.4
10,217.8	90.8	9,509.4
10,317.9	90.1	9,508.6
10,418.0	90.4	9,508.2
10,518.0	90.6	9,507.4
10,618.1	89.3	9,507.6
10,717.8	88.7	9,509.3
10,817.9	88.3	9,511.9
10,918.0	88.5	9,514.7
11,018.0	88.5	9,517.4
11,118.1	89.1	9,519.5
11,216.9	89.1	9,521.0
11,316.9	87.9	9,523.5
11,417.0	89.8	9,525.3
11,517.1	90.4	9,525.0
11,617.1	90.2	9,524.4
11,716.9	89.8	9,524.5
11,816.9	90.0	9,524.8
11,917.0	90.8	9,524.0
12,017.1	90.9	9,522.4
12,117.1	91.7	9,520.3
12,216.9	92.3	9,518.8
12,316.9	91.8	9,517.4
12,417.0	91.9	9,516.0
12,517.1	90.2	9,515.1
12,617.1	88.7	9,515.2
12,716.9	88.8	9,516.4
12,816.9	88.5	9,517.7
12,917.0	88.9	9,519.0
13,017.1	89.3	9,520.1
13,117.1	88.9	9,521.3
13,216.9	89.3	9,522.8
13,316.9	89.9	9,523.5
13,441.9	90.5	9,523.1
13,517.1	88.9	9,523.7
13,609.9	88.2	9,524.1
13,665.7	88.5	9,525.8
13,788.1	88.8	9,528.8



Last Mud Check

Date	Mud/Brine Type	Depth (MD) (ftKB)	Fluid Density (lb/gal)
5/17/2014	Water Based	0.0	8.40
5/18/2014	Water Based	102.0	8.40
5/19/2014	Water Based	1,260.0	8.70
5/20/2014	Brine	1,260.0	10.00
5/20/2014	Brine	1,327.0	9.95
5/22/2014	Brine	3,881.0	10.15
5/23/2014	Brine	5,050.0	10.20
5/24/2014	Brine	5,050.0	10.20
5/26/2014	Brine	5,050.0	9.00
5/26/2014	Brine	7,527.0	8.90
5/27/2014	Brine	8,925.0	8.85
5/28/2014	Brine	8,937.0	8.90
5/29/2014	Brine	9,559.0	9.05
5/30/2014	Brine	9,821.0	9.00
5/31/2014	Brine	10,669.0	9.05
6/1/2014	Brine	12,310.0	9.05
6/2/2014	Brine	12,426.0	9.45
6/3/2014	Brine	0.0	9.50
6/4/2014	Brine	0.0	9.70
6/5/2014	Brine	13,806.0	9.80
6/6/2014	Brine	13,806.0	9.90

Casing

Csg Des	Run Date	OD (in)	Top Depth (MD) (ft...	Set Depth (MD) (ftK...	Dens Fluid (lb/gal)
Production Casing	6/7/2014 03:00	5 1/2	24	13,788	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Casing Hanger	5 1/2	4.778	20.00	L-80	0.29	24	24
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80	3.30	24	28
349	Casing Joint	5 1/2	4.778	20.00	L-80	13,573.89	28	13,602
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80	8.31	13,602	13,610
1	Toe Sleeve (RSCI)	5 1/2	4.778	20.00	L-80	5.51	13,610	13,615
1	Casing Joint	5 1/2	4.778	20.00	L-80	40.81	13,615	13,656
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80	8.45	13,656	13,665
1	Landing Collar	5 1/2	4.778	20.00	L-80	1.00	13,665	13,666
1	Casing Joint	5 1/2	4.778	20.00	L-80	40.77	13,666	13,706
1	Float Collar	5 1/2	4.778	20.00	L-80	1.33	13,706	13,708
2	Casing Joint	5 1/2	4.778	20.00	L-80	78.68	13,708	13,786
1	Float Shoe	5 1/2	4.778	20.00	L-80	1.53	13,786	13,788

Cement: Production Casing Cement

Cementing Start Date	Cementing End Date	Wellbore
6/8/2014	6/8/2014	Original Hole

Evaluation Method	Cement Evaluation Results
Returns to Surface	Fluid returns to surface until 210 bbls into displacement.

Cement Stage: Production Casing Cement

Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Ceme...	Top Plug?	Bottom Plug?
4,550.0	13,806.0	N		N	N

Q Pump Init (bbl/min)	Q Pump Final (bbl/min)	Avg Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)
6	3.5	6	1,320.0	1,803.0

Pipe Reciprocated?	Stroke (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)
N			N	

Depth Tagged (ftKB)	Tag Method	Depth Plug Drilled Out...	Drill Out Diameter (in)	Drill Out Date

Report Printed: 9/18/2014

Casing, Liner and Cement report

Production Casing

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Land - Original Hole, 9/18/2014 1:33:01 PM

MD (ftKB)	Incl (°)	TVD (ftKB)
24.6	0.3	24.6
29.5	0.3	29.5
874.3	0.1	874.3
1,250.0	0.3	1,250.0
4,964.6	2.1	4,963.1
8,931.4	3.4	8,928.4
8,947.5	4.3	8,944.5
9,517.9	87.1	9,512.4
9,918.0	90.4	9,515.0
10,018.0	91.3	9,513.8
10,118.1	91.3	9,511.4
10,217.8	90.8	9,509.4
10,317.9	90.1	9,508.8
10,418.0	90.4	9,508.2
10,518.0	90.6	9,507.4
10,618.1	89.3	9,507.6
10,717.8	88.7	9,509.3
10,817.9	88.3	9,511.9
10,918.0	88.5	9,514.7
11,018.0	88.5	9,517.4
11,118.1	89.1	9,519.5
11,216.9	89.1	9,521.0
11,316.9	87.9	9,523.5
11,417.0	89.8	9,525.3
11,517.1	90.4	9,525.0
11,619.1	90.2	9,524.4
11,716.9	89.8	9,524.5
11,819.9	90.0	9,524.5
11,917.0	90.8	9,524.0
12,017.1	90.9	9,522.4
12,117.1	91.7	9,520.3
12,216.9	92.3	9,518.8
12,316.9	91.8	9,517.4
12,417.0	91.9	9,516.0
12,517.1	90.2	9,515.1
12,617.1	88.7	9,515.2
12,716.9	88.8	9,516.4
12,816.9	88.5	9,517.7
12,917.0	88.9	9,518.6
13,017.1	89.3	9,519.6
13,117.1	88.9	9,520.3
13,216.9	89.3	9,520.8
13,315.9	89.9	9,521.5
13,441.9	90.5	9,521.1
13,517.1	88.9	9,521.7
13,609.9	88.2	9,524.1
13,665.7	88.5	9,525.8
13,788.1	88.8	9,528.8

Vertical schematic (actual)

Item number:1; Description:Surface; OD:13 3/8 in; ID:12.715 in; Top (MD):24 ftKB; Length:1,226.00 ft

Description:Surface Casing Cement; Depth (MD):24-1,250 ftKB; Date:5/19/2014

Description:Intermediate Casing Cement; Depth (MD):25-5,040 ftKB; Date:5/24/2014

Item number:2; Description:Intermediate Casing 1; OD:9 5/8 in; ID:8.844 in; Top (MD):25 ftKB; Length:5,015.40 ft

Item number:3; Description:Production Casing; OD:5 1/2 in; ID:4.778 in; Top (MD):24 ftKB; Length:13,763.87 ft

Description:Production Casing Cement; Depth (MD):4,550-13,806 ftKB; Date:6/8/2014

Cement Fluid: Production Casing Cement

Fluid Type	Fluid Description	Quantity (...	Class	Volume Pumped (bbl)
Lead		660		299.0

Estimated Top (ftKB)	Est Btm (ftKB)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
4,550.0	8,536.0	2.54	15.07	

Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
11.30		6.10	

Cement Fluid Additives

Add	Type	Conc

Cement Fluid: Production Casing Cement

Fluid Type	Fluid Description	Quantity (...	Class	Volume Pumped (bbl)
Lead		345		99.0

Estimated Top (ftKB)	Est Btm (ftKB)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
8,536.0	9,786.0	1.61	8.10	

Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
13.20		5.25	

Cement Fluid Additives

Add	Type	Conc

Cement Fluid: Production Casing Cement

Fluid Type	Fluid Description	Quantity (...	Class	Volume Pumped (bbl)
Tail		535		249.0

Estimated Top (ftKB)	Est Btm (ftKB)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
9,786.0	13,806.0	2.60	11.14	

Density (lb/gal)	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)
15.00		6.30	

Cement Fluid Additives

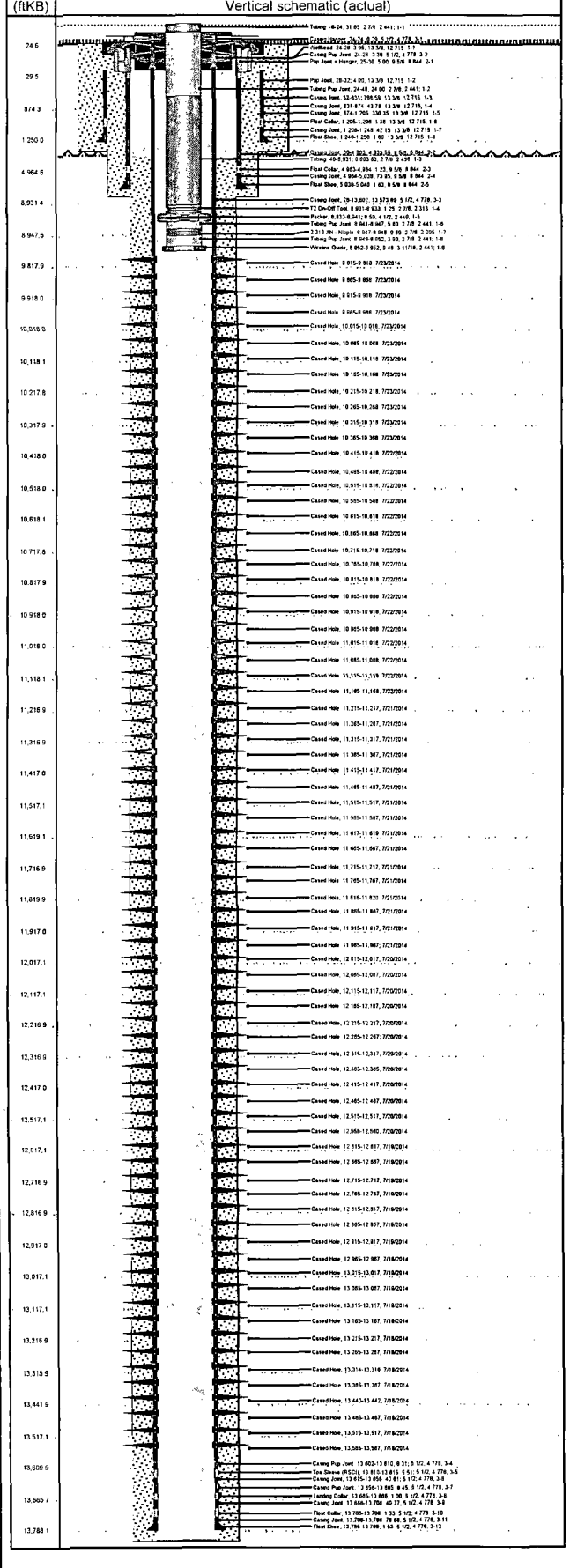
Add	Type	Conc

Report Printed: 9/18/2014

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Land - Original Hole, 9/18/2014 1:31:06 PM



Job Details

Job Category	Start Date	Release Date
Completion	7/9/2014	7/13/2014
Completion	7/13/2014	7/16/2014
Completion	7/16/2014	7/24/2014
Completion	7/24/2014	7/25/2014
Completion	7/25/2014	7/28/2014
Completion	7/28/2014	7/31/2014
Completion	7/31/2014	8/2/2014
Completion	8/2/2014	8/4/2014
Completion	8/4/2014	8/4/2014
Completion	8/4/2014	8/8/2014
Completion	8/8/2014	8/12/2014

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Surface	13 3/8	48.00	H-40	ST&C	1,250
Intermediate Casing 1	9 5/8	40.00	HCK-55	LT&C	5,040
Production Casing	5 1/2	20.00	L-80		13,788

Tubing Strings

Tubing - Production set at 8,952.0ftKB on 8/12/2014 09:15

Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production	8/12/2014	8,959.99	8,952.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing	1	2 7/8	6.50	L-80	31.85	23.9
Tubing Pup Joint	3	2 7/8			24.00	47.9
Tubing	280	2 7/8	6.50	L-80	8,883.63	8,931.5
T2 On-Off Tool	1	2 7/8			1.25	8,932.7
Packer	1	4 1/2			8.50	8,941.2
Tubing Pup Joint	1	2 7/8	6.50	L-80	5.60	8,946.8
2.313 XN - Nipple	1	2 7/8			0.80	8,947.6
Tubing Pup Joint	1	2 7/8	6.50	L-80	3.90	8,951.5
Wireline Guide	1	3 11/16			0.46	8,952.0

Perforations

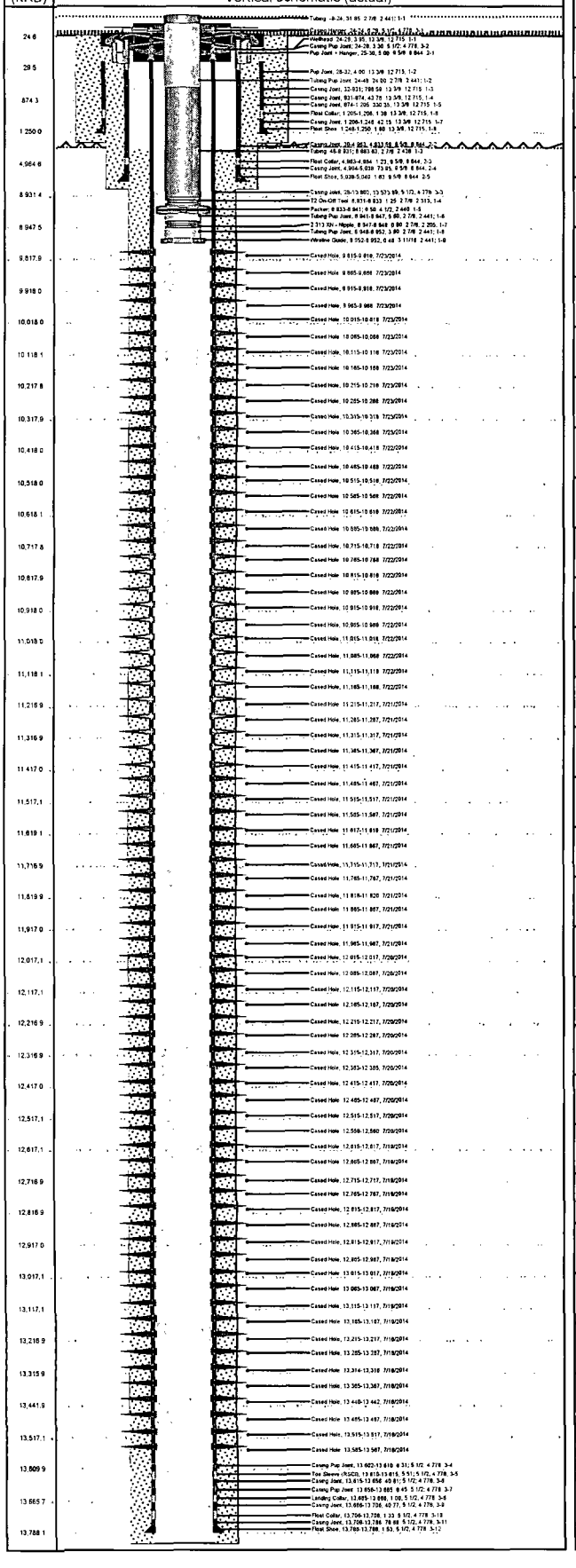
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
7/23/2014	9,815.0	9,818.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	9,865.0	9,868.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	9,915.0	9,918.0	6.0	12	Avalon Shale, Original Hole
7/23/2014	9,965.0	9,968.0	6.0	12	Avalon Shale, Original Hole
7/23/2014	10,015.0	10,018.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	10,065.0	10,068.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	10,115.0	10,118.0	6.0	12	Avalon Shale, Original Hole
7/23/2014	10,165.0	10,168.0	6.0	12	Avalon Shale, Original Hole
7/23/2014	10,215.0	10,218.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	10,265.0	10,268.0	6.0	9	Avalon Shale, Original Hole
7/23/2014	10,315.0	10,318.0	6.0	12	Avalon Shale, Original Hole
7/23/2014	10,365.0	10,368.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,415.0	10,418.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	10,465.0	10,468.0	6.0	9	Avalon Shale, Original Hole

Report Printed: 9/18/2014

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Land - Original Hole, 9/18/2014 1:31:06 PM



Perforations

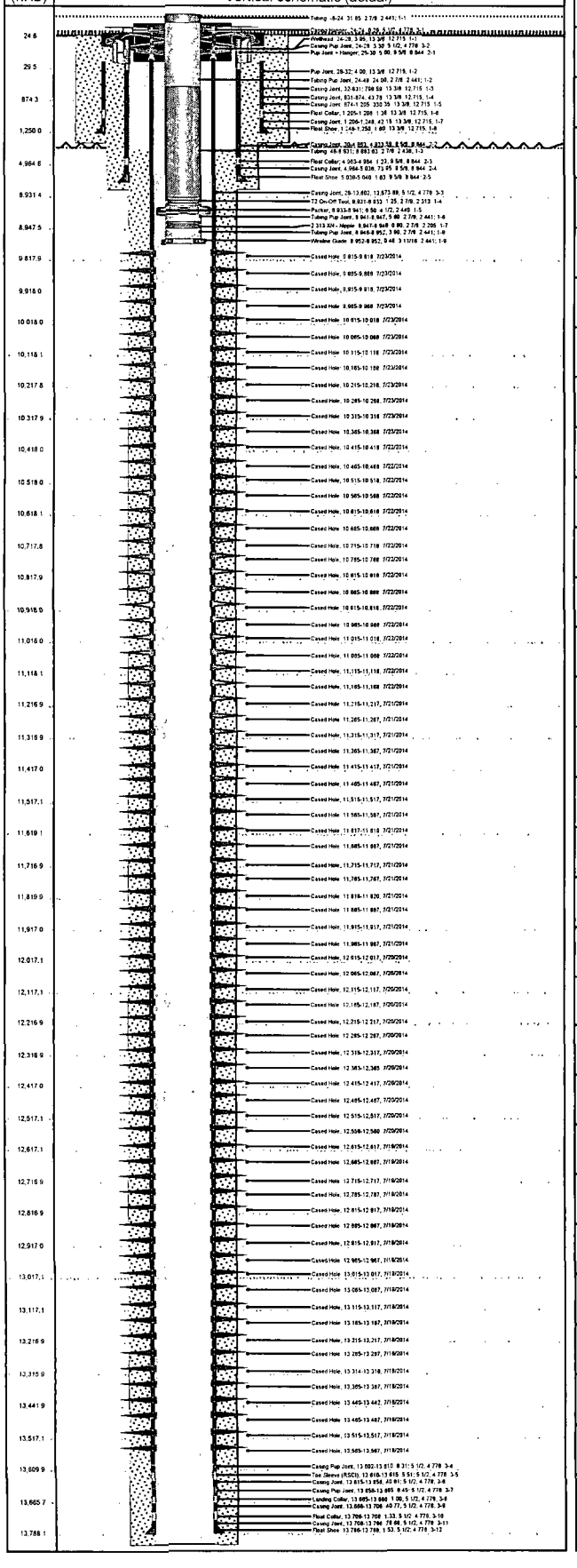
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
7/22/2014	10,515.0	10,518.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,565.0	10,568.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,615.0	10,618.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	10,665.0	10,668.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	10,715.0	10,718.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,765.0	10,768.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,815.0	10,818.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	10,865.0	10,868.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	10,915.0	10,918.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	10,965.0	10,968.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	11,015.0	11,018.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	11,065.0	11,068.0	6.0	9	Avalon Shale, Original Hole
7/22/2014	11,115.0	11,118.0	6.0	12	Avalon Shale, Original Hole
7/22/2014	11,165.0	11,168.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,215.0	11,217.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,265.0	11,267.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,315.0	11,317.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,365.0	11,367.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,415.0	11,417.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,465.0	11,467.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,515.0	11,517.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,565.0	11,567.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,617.0	11,619.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,665.0	11,667.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,715.0	11,717.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,765.0	11,767.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,818.0	11,820.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,865.0	11,867.0	6.0	9	Avalon Shale, Original Hole
7/21/2014	11,915.0	11,917.0	6.0	12	Avalon Shale, Original Hole
7/21/2014	11,965.0	11,967.0	6.0	12	Avalon Shale, Original Hole

Report Printed: 9/18/2014

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Land - Original Hole, 9/18/2014 1:31:07 PM



Perforations

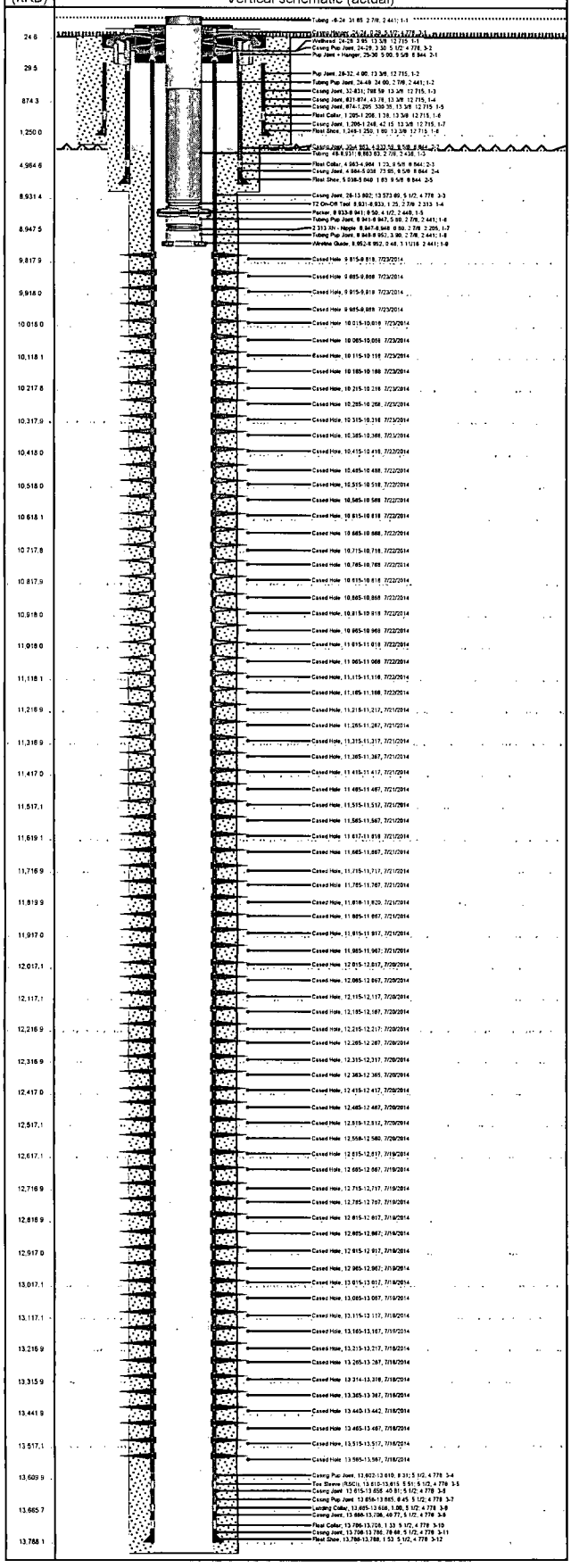
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
7/20/2014	12,015.0	12,017.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,065.0	12,067.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,115.0	12,117.0	6.0	12	Avalon Shale, Original Hole
7/20/2014	12,165.0	12,167.0	6.0	12	Avalon Shale, Original Hole
7/20/2014	12,215.0	12,217.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,265.0	12,267.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,315.0	12,317.0	6.0	12	Avalon Shale, Original Hole
7/20/2014	12,363.0	12,365.0	6.0	12	Avalon Shale, Original Hole
7/20/2014	12,415.0	12,417.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,465.0	12,467.0	6.0	9	Avalon Shale, Original Hole
7/20/2014	12,515.0	12,517.0	6.0	12	Avalon Shale, Original Hole
7/20/2014	12,558.0	12,560.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	12,615.0	12,617.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	12,665.0	12,667.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	12,715.0	12,717.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	12,765.0	12,767.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	12,815.0	12,817.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	12,865.0	12,867.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	12,915.0	12,917.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	12,965.0	12,967.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	13,015.0	13,017.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	13,065.0	13,067.0	6.0	9	Avalon Shale, Original Hole
7/19/2014	13,115.0	13,117.0	6.0	12	Avalon Shale, Original Hole
7/19/2014	13,165.0	13,167.0	6.0	12	Avalon Shale, Original Hole
7/18/2014	13,215.0	13,217.0	6.0	9	Avalon Shale, Original Hole
7/18/2014	13,265.0	13,267.0	6.0	9	Avalon Shale, Original Hole
7/18/2014	13,314.0	13,316.0	6.0	12	Avalon Shale, Original Hole
7/18/2014	13,365.0	13,367.0	6.0	12	Avalon Shale, Original Hole
7/18/2014	13,440.0	13,442.0	6.0	9	Avalon Shale, Original Hole
7/18/2014	13,465.0	13,467.0	6.0	9	Avalon Shale, Original Hole

Report Printed: 9/18/2014

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Land - Original Hole, 9/18/2014 1:31:07 PM



Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
7/18/2014	13,515.0	13,517.0	6.0	12	Avalon Shale, Original Hole
7/18/2014	13,565.0	13,567.0	6.0	12	Avalon Shale, Original Hole

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole

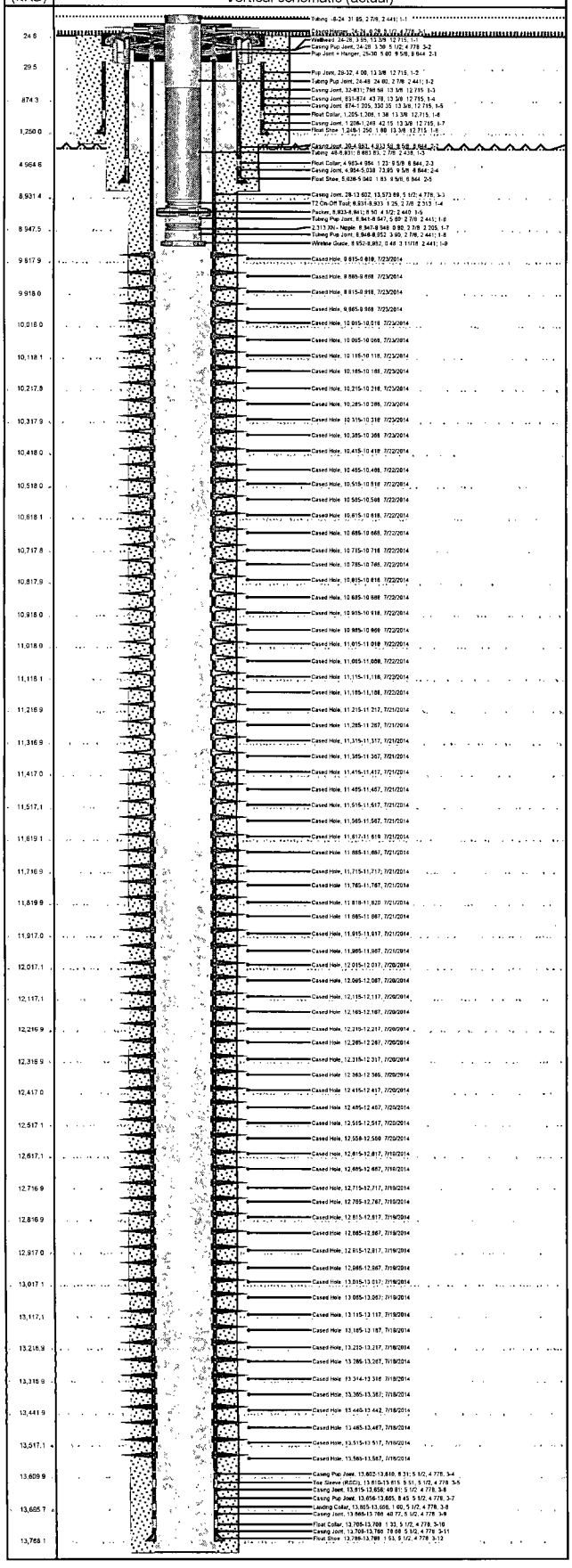
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdrill	9,990.0	9,992.0	7/23/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,190.0	10,192.0	7/23/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,390.0	10,392.0	7/23/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,590.0	10,592.0	7/22/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,790.0	10,792.0	7/22/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	10,990.0	10,992.0	7/22/2014	7/25/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,190.0	11,192.0	7/22/2014	7/26/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,390.0	11,392.0	7/21/2014	7/26/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,590.0	11,592.0	7/21/2014	7/27/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,790.0	11,792.0	7/21/2014	7/27/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	11,990.0	11,992.0	7/21/2014	7/28/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,190.0	12,192.0	7/20/2014	7/28/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,390.0	12,392.0	7/20/2014	7/28/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,590.0	12,592.0	7/20/2014	7/31/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,790.0	12,792.0	7/19/2014	7/31/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	12,990.0	12,992.0	7/19/2014	8/1/2014	HAL 8K Obsidian Caged Ball Plug
Bridge Plug (Permanent) Fasdrill	13,190.0	13,192.0	7/19/2014	8/1/2014	HAL 8K Obsidian Caged Ball Plug

Report Printed: 9/18/2014

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Land - Original Hole, 9/18/2014 1:31:07 PM



Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent) Fasdrill	13,390.0	13,392.0	7/18/2014	8/2/2014	HAL 8K Obsidian Caged Ball Plug

Report Printed: 9/18/2014

Chevron

Summary Report

Completion
Complete
Job Start Date: 7/9/2014
Job End Date: 8/12/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Report Start Date: 7/9/2014	
	Com
Facilities fill in cellar w/ pea gravel. No rat hole on this location. Fork Lift Enterprises moved guard shack and gates from the Red Hills 2-1H to Red HIlls 11-1H.	
Report Start Date: 7/10/2014	
	Com
No Activity. Carry Costs only	
Report Start Date: 7/11/2014	
	Com
HSM & PJSA w/ Hobbs, Trend, Petro, Oil States, Stone. Discuss Scope of Job, SWA, TIF, ERP, Tenet #1 We Always...operate within design and environmental limits. traffic, backing procedures, communication.	
Hobbs set 4 rig anchors and pull test. Good Test	
Stone set and place 10 f/w tanks. Trend MI set-up 2 company man trailers and auxillary equipment. Tex-Mex set 6 port-o-pottys.	
Report Start Date: 7/12/2014	
	Com
HSM & PJSA w/ GE, WW, Petro, Rig Runner, Stone, OTG. Discuss Scope of Job NU frac stack and FB, SWA, TIF, ERP, Tenet #1 We Always...operate within design and environmental limits. traffic, backing procedures, communication, pinch points, no spill policy, heat, using tag lines..	
Attempt to pull night cap.and Boom truck mast leaking hydraulic oil. SD WO back up unit.	
Take delivery of Sunbelt forklift. OTG set containment for FB and acid tanks. Stone deliver 1 pumpdown tank and straighten down hole tanks. Fesco deliver FB equipment and open top tanks.	
ND capping flange. Pull 5" BPV. Install hanger w/ 2 way check. Install capping flange andopen 5 1/2" csg valves. Test LMV to 250/8500 psi. Good Test. Bleed off and Pull hanger and 2 way check.	
Pump 15 bbls fw down 9 5/8" X 5 1/2" annulus and test to 480 psi and chart for 15 minutes. Good Test. Increase psi to 1000. Good Test. Bleed off psi to "0".	
NU GE 7 1/16" 10M Manual UMV and 7 1/16" X 4 1/16" 10M flow cross w/ 4 4 1/16" manual vlaves on each side, 7 1/16" 10M crown valve with capping flange on top. Test to 250/8500 psi. Good Test. Bleed to "0" psi. NOTE: Take delivery 500 bbls f/w for opening RSI and injection test.	
Close in all master valves, casing valves and wing valves. Secure well for night.	
Halliburton MI set up 2 sand kings, 2 sand castles and 1 T belt. NOTE: HSM & PJSA w/ Halliburton.	
Report Start Date: 7/13/2014	
	Com
HSM & PJSA w/ PetroPlex, WW, Fesco. Discuss Scope of Job Shift RSI sleeve- high pressure, SWA, TIF, ERP, Tenet #3 We Always...ensure safety devices are in place and functioning. traffic, backing procedures, communication, pinch points, no spill policy, heat, ..	
SICP: "0", SIICP: "0", SISCP: "0" MIRU PetroPlex , 2 HPPT. Pressure up on intermediate to 300 psi. Pump 10.3 bbls and pressure up to 7500 psi, SIICP: 827 9:38 hrs PCP: 7500 ICP: 827 10:08 hrs PCP: 7350 ICP: 802 lost 150 psi in 30 minutes. Noticed leak on Frac stack. Leaking in two places between LMV and UMV, LMV and tbg head. Close LMV. Bleed prod csg to "0" psi and intermediate csg to "0" psi. NOTE: Contact Houston CE and CS.	
WW Wirelinge re-torque between LMV and UMV. Torque values very inconsistant.	
WO GE "Vetco Grey" to brring out lubricator, BPV, flow bushing w/ 2 way check to re-torque and test stack. NOTE: Baker ELU on stndby on location. NOTE: Complete RU of Fesco FB equipment.	
SICP: 750 MIRU Vetco Grey crane. Attempt to scope out mast and develope leak. Hydraulics went out. MIRU Baker crane. PU Vetco Grey 5" BPV and MU on crown valve. Equalize lubricator to 750 psi. Open LMV and set 5" BPV. Bleed off to "0" psi and static. Open csg valve and LD setting tool. PU flow bushing w/ 2 way check. Set in hanger bowl and RI lock down pins. WW Wireline torque to spec entire stack. Found inconsistent torque values on all breaks. Begin Pressure test.	
Report Start Date: 7/14/2014	

Summary Report

Completion
Complete
Job Start Date: 7/9/2014
Job End Date: 8/12/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Attempt to pressure test Frac Stack. 250 psi low test - good High test unsuccessful due to both of the interior valve head bonnets on the flow cross leaking at 5,000 psi
RD Vetco Gray Lube Place and torque night cap on crown valve. Secure well. SISD
No Activity
HSM & PJSA w/ GE, Fesco, WW, Petroplex, Baker. Discuss Scope of Job: torque/test frac stack, SWA, TIF, ERP, OE, over-head loads, pinch oints, trapped psi, communication.
MIRU Dutcher-Phipps crane. MIRU WW Wireline Torque and Test.
ND Vetco Gray Frac Stack
NU Fesco 7 and 1/16 10k Lower Master Valve
Pressure Test Lower Master Valve 250 psi low test 8500 psi high test Test Successful
NU Vetco Gray Lubricator Pressure Test Flange 1500 psi Test was Successful
Pull 2 Way Check Valve WHP - 0 psi 9 5/8" Annular Casing - 0 psi
ND Vetco Gray Lubricator
NU 7 and 1/16 10k Upper Master Valve and Flow Cross
Shell Test entire Frac Stack 250 psi Low Test 8500 psi High Test Test was successful
NU Vetco Gray Lubricator Pressure Test Flange 1500 psi Test was Successful
Equalize to 750 psi OW Lube stick into tubing hanger and Pull BPV WHP - 750 psi 9 5/8" Annular Casing - 0 psi
ND Vetco Gray Lubricator
NU Night Cap Pressure Test Connection 250 psi low 8500 psi high Test Successful

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
WHP 718 psi 9 5/8" Annular Casing - 200 psi (applied) Open well and begin pumping to build pressure up on RSI Sleeve Pressure broke over at 1.5 bpm and 4,000 psi WHP Increase rate to 12.5 bpm to initiate injection test Once at 12.5 bpm 60 bbls of Fresh Water was pumped at 6,300 psi. SD, Sleeve open, Injection test successful Max Rate 12.5 bpm Max Pressure 6329 psi ISIP 5284 psi 5 Min 4579 psi 10 Min 3463 psi 15 Min 2472 psi SI, Secure Well WHP 2472 psi 9 5/8" Annular Casing - 0 psi TLR: 94 bbls
RDMO Petroplex and WW Wireline SISD

Report Start Date: 7/15/2014

Com
No Activity
HSM & PJSA w/ GE, Fesco, WW, Oil States, and Halliburton. Discuss Scope of Job: NU Isolation Tool, SWA, TIF, ERP, OE, over-head loads, pinch oints, trapped psi, communication.
MIRU Oil States Wellhead Isolation Tool and Goathead Perform Negative Test - Successfully WHP: 1200 psi 9 5/8" Annular Casing - 0 psi Begin laying containments
Mix and Treat 46,500 gals of 15% FE Acid. Complete laying containments. SISD WHP: 1200 psi 9 5/8" Annular Casing - 0 psi
No Activity

Report Start Date: 7/16/2014

Com
Take delivery of frac sand. 08:00 hrs. HSM & PJSA w/ Basic, NOV, OTG. Take delivery of cooling trailer. OTG straighten containment due to wind. NOTE: Basic Change out FB tank w/ broken valve NOTE: NOV move road Xing.
HSM & PJSA w/ Halliburton Frac, Halliburton E-Line, B&C Crane, PWR Pressure Control, Oil States, Fesco, WW Wireline spotting equipment Discuss Scope of Job, SWA, TIF, ERP,
MI and Spot Halliburton Frac, Halliburton E-Line, B&C Crane, PWR Pressure Control, Oil States Crane/Hydraulic Unit, WW Wireline Test Unit, and Continue to Fill Sand
HSM & PJSA w/ Halliburton Frac, Halliburton E-Line, B&C Crane, PWR Pressure Control, Oil States, Fesco, WW Wireline - Rig Up Procedures, Discuss Scope of Job, SWA, TIF, ERP,

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
RU Halliburton Frac, OTG Restraints and Containments, WW Wireline Test Unit Continue to Fill Sand 19:00 - Pressure Test Fesco Iron 250 psi Low, 8500 psi High - Test Successful RU procedures and Sand Fill continued into next reporting day Well Status at Time of Report SI WHP: 1200 psi 9 5/8": 0 psi

Report Start Date: 7/17/2014

Com
Continue RU of Frac, E-Line, and Related Vendors from previous day. Continue Sand Fill NOTE: Frac crew RU is operating at diminished capacity due to both cranes sent to location being placed out of service. 1st crane had safety concerns with the spool, the 2nd was 2 months out of date on inspection. Crew has been using the forklift slowing the efficiency of the RU.
HSM & PJSA w/ day frac crew, crane, wellhead, isolation tool, wellhead & water transfer crews. Discussed Tenet 7 (Comply with all applicable rules & regulations), location traffic, spotters, crane ops, hoisting equipment, tag lines, overhead work, dropped objects, elevated work, fall protection, striking hazards, hand & body placement, walking surfaces, walking w/ loads, extreme weather, dehydration, fatigue, communication, 4 points, emergency response, snake bites, 360 MySpace.
Crews changed out. Spotted B&C crane to help RU iron. Cont' w/ RU frac pumps, N2 pop-off and run line to OTT, Risers to Goat Head and RU pump down trucks. Restrain all lines. HSM & PJSA w/ night crews @ 17:30 hrs MIRU Halliburton ELU, PWR 10K pressure control, Oil States crane. Continue to RU into Next Reporting Day Well Status SI WHP: 1200 psi 9 5/8": 0 psi

Report Start Date: 7/18/2014

Com
Complete RU of Halliburton frac, prime and test lines to 250/8500 psi. Good Test. RU Halliburton ELU, Oil States crane. RU PWR pressure control.
NPT HAL- E Line. NPT waiting on Quick Test Sub to be certified and delivered to location.
SICP: 850 MU test sub and lubricator on WH . Test to 250/7000 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" dummy plug.. MU on WH and equalize. NOTE: 06:00 hrs HSM & PJSA w/ day crews

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 850 Perf Stage #2 Avalon Shale F/ 13,415' T/ 13,567' 7-18-14 Perfs Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 3000 gal 15% FE acid and 335 bbls treated water @ 14 bpm @ 200 fpm. Had issues pumping down. During pump down psi built to7000 psi @ 12 bpm, dropped rate to 4 bpm until acid hit formation then increased rate to 14 bpm to target depth @ 13,565'. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 13,565' – 13,567' 6 spf 12 shots 21gm 60 degree phase 13,515' – 13,517' 6 spf 12 shots 21 gm 60 degree phase 13,465' – 13,467' 6 spf 9 shots 21 gm 60 degree phase 13,440' – 13,442' 6 spf 9 shots 21 gm 60 degree phase POOH, all shots fired, 42 total holes. NOTE: Down 1 hr due to Halliburton pump down truck losing sensor. Use pump truck from frac side to finish Pump Down.
Replace pump down truck, issues with hydraulic on sand king.
Stage #1 & #2 frac ("Avalon" 13,615' – 13,415 ') Shut-in Wellhead PSI = 925 psi Breakdown: not seen Max Rate: 80.9 BPM Avg Rate: 75.3 BPM Max Pressure: 6878 psi Avg Pressure: 5568 psi Total Prop: 428,622 lbs 40/70 Premium White: 411,979 lbs 100 mesh: 16,643 lbs Max Prop Conc.: 2.51 ppg Water Frac G R: 589 bbls FR Water: 1,884 bbls 15% FE Acid: 5000 gals Load To Recover: 11,323 bbls ISIP: 2817 psi FG: .73 psi/ft 5 min: 2317 psi 10 min 2295 psi 15 min 2252 psi all Total Proppant: 7,868,612 lbs 40/70 Prem White: 5,165506 100 Mesh: 580,650
HSM & PJSA w/ night crews. Discuss SWA, TIF, ERP, Scope of Job: Plug/perf and frac operations.
SICP: 2159 MU test sub and lubricator on WH . Test to 250/7000 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and HAL 8K Obsidian Caged Ball Plug. MU on WH and equalize.
SICP: 2159 Perf Stage #3 Avalon Shale F/ 13,215' T/ 13,367' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 249 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton Obsidian 8K caged ball frac plug @ 13,390'. Line tension 1,284 lbs to 1,150 lbs when set. Pressure up to 4200 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 13,215' – 13,217' 6 spf 9 shots 21gm 60 degree phase 13,265' – 13,267' 6 spf 9 shots 21 gm 60 degree phase 13,314' – 13,316' 6 spf 12 shots 21 gm 60 degree phase 13,365' – 13,367' 6 spf 12 shots 21 gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
NPT HAL-Frac Dry-Gel/Chem Unit in Stage 4 Regen. NPT Waiting on CAT mechanic with laptop to force Regen. NPT Continued into next reporting day Well Status: SI WHP: 2100 9 5/8": 0 psi

Report Start Date: 7/19/2014

Com
NPT Dry-Gel/Chem Unit is in Stage 4 Regen. NPT Spent waiting on mechanic to arrive with CAT program on laptop to force Regen, Regen was unsuccessful, had to wait on new unit to arrive and be rigged in.

Stage #3 frac ("Avalon" 13,367' – 13,215')

Shut-in Wellhead PSI = 1100 psi
Breakdown: 4713 psi
Max Rate: 80.7 BPM
Avg Rate: 76 BPM
Max Pressure: 6794 psi
Avg Pressure: 5825 psi
Total Prop: 292,171 lbs
40/70 Premium White: 260,774 lbs
100 mesh: 31,397 lbs
Max Prop Conc.: 2.51 ppg
Water Frac G R: 1,235.83 bbls
Slick Water: 8,723 bbls
15% FE Acid: 2000 gals
Load To Recover: 10,005.64 bbls
ISIP: 3057 psi
FG: .75 psi/ft
5 min: 2670 psi

SICP: 2100
MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.

NOTE: 06:00 hrs HSM & PJSA w/ day crews

SICP: 2159

Perf Stage #4 Avalon Shale F/ 13,215' T/ 13,367' ? 13,015 - 13,167

Open well
RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 249 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 13,190'. Line tension 1,380 lbs to 1,220 lbs when set. Pressure up to 4200 psi and PU to perf.

Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges.

Perforate as follows:

13,165' – 13,167'	6 spf	12 shots	21 gm	60 degree phase
13,115' – 13,317'	6 spf	12 shots	21 gm	60 degree phase
13,065' – 13,067'	6 spf	9 shots	21 gm	60 degree phase
13,015' – 13,017'	6 spf	9 shots	21gm	60 degree phase

POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #4 frac ("Avalon" 13,015' – 13,165 ') Shut-in Wellhead PSI = 2094 psi Breakdown: NA Max Rate: 80.5 BPM Avg Rate: 71.2 BPM Max Pressure: 7012 psi Avg Pressure: 6360 psi Total Prop: 108,743 lbs 40/70 Premium White: 77,488 lbs 100 mesh: 31,255 lbs Max Prop Conc.: 1.06 ppg Water Frac G R: 1,496.62 bbls Slick Water: 6,418 bbls 15% FE Acid: 2000 gals Load To Recover: 6,963 bbls ISIP: 2506 psi FG: .70 psi/ft 5 min: 2255 psi During stage 1 ppg 40/70 sand pumping 80 bpm @ 6400 psi went to 7000 psi experienced kick out. Rate dropped to 54 bpm and psi climbing, cut sand and pumped 20# gel sweep w/ .25 lb/gal sand . Pressure still up only able to achieve .03 lb/gal. Emptied sand belt and scews. Pumped 30 bbls gel sweep and went to Flush.
SICP: 2100 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize. NOTE: 06:00 hrs HSM & PJSA w/ day crews
SICP: 1800 Perf Stage #5 Avalon Shale F/ 12,815' T/ 12,967' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 5000 gal 15% FE acid and 249 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 13,190'. Line tension 1,193 lbs to 1,100 lbs when set. Pressure up to 3800 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 12,965' – 12,967' 6 spf 12 shots 21 gm 60 degree phase 12,915' – 12,917' 6 spf 12 shots 21 gm 60 degree phase 12,865' – 12,867' 6 spf 9 shots 21 gm 60 degree phase 12,815' – 12,817' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #5 frac ("Avalon" 12,815' – 12,865') 967 Shut-in Wellhead PSI = 1570 psi Breakdown: 6101 psi Max Rate: 80.4 BPM Avg Rate: 73.9 BPM Max Pressure: 6339 psi Avg Pressure: 5011 psi Total Prop: 299,713 lbs 40/70 Premium White: 268,422 lbs 100 mesh: 31,290 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 225.57 bbls Slick Water: 8,602 bbls 15% FE Acid: 2000 gals Load To Recover: 375,749 bbls ISIP: 2,521 psi FG: .70 psi/ft 5 min: 2245 psi

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 285 Perf Stage #6 Avalon Shale F/ 12,767' T/ 12,615' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 281 bbls treated water @ 12 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 12,790'. Line tension 1,304 lbs to 1,100 lbs when set. Pressure up to 3500 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 12,765' – 12,767' 6 spf 12 shots 21gm 60 degree phase 12,715' – 12,717' 6 spf 12 shots 21 gm 60 degree phase 12,665' – 12,667' 6 spf 9 shots 21 gm 60 degree phase 12,615' – 12,617' 6 spf 9 shots 21 gm 60 degree phase POOH, all shots fired, 42 total holes.
Began Stage #6 Frac
Report Start Date: 7/20/2014
Com
Stage #6 frac ("Avalon" 12,767' – 12,615') Shut-in Wellhead PSI = 1136 psi Breakdown: 6166 psi Max Rate: 75.8 BPM Avg Rate: 74.4 BPM Max Pressure: 6090 psi Avg Pressure: 5131 psi Total Prop:301,831 lbs 40/70 Premium White: 271,454 lbs 100 mesh: 30,377 lbs Max Prop Conc.: 2.53 ppg Water Frac G R: 484 bbls Slick Water: 6676 bbls 15% FE Acid: 3000 gals Load To Recover: 7280 bbls ISIP: 2213 psi FG: .67 psi/ft 5 min: 2072 psi
SICP: 2000 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.
SD Operations Due to Weather (Wind/Lightning)
SICP: 1800 Perf Stage #7 Avalon Shale F/ 12,967' T/ 12,815' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 5000 gal 15% FE acid and 249 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 13,190'. Line tension 1,193 lbs to 1,100 lbs when set. Pressure up to 3800 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 12,965' – 12,967' 6 spf 12 shots 21 gm 60 degree phase 12,915' – 12,917' 6 spf 12 shots 21 gm 60 degree phase 12,865' – 12,867' 6 spf 9 shots 21 gm 60 degree phase 12,815' – 12,817' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #7 frac ("Avalon" 12,560' – 12,415') Shut-in Wellhead PSI = 289 psi Breakdown: 5852 psi Max Rate: 80.4 BPM Avg Rate: 75.4 BPM Max Pressure: 5864 psi Avg Pressure: 4258 psi Total Prop:426,031 lbs 40/70 Premium White: 394,785 lbs 100 mesh: 31,286 lbs Max Prop Conc.: 2.40 ppg Water Frac G R: 1338.7 bbls Slick Water: 7619.4 bbls 15% FE Acid: 5014 gals Load To Recover: 10,144 bbls ISIP: 2601 psi FG: .71 psi/ft 5 min: 2114 psi
SICP: 1600 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.
SICP: 1600 Perf Stage #8 Avalon Shale F/ 12,367' T/ 12,215' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 5000 gal 15% FE acid and 227 bbls treated water @ 14 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 13,190'. Line tension 1,300 lbs to 1,170 lbs when set. Pressure up to 3600 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 12,363' – 12,365' 6 spf 12 shots 21 gm 60 degree phase 12,315' – 12,317' 6 spf 12 shots 21 gm 60 degree phase 12,265' – 12,267' 6 spf 9 shots 21 gm 60 degree phase 12,215' – 12,217' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #8 frac ("Avalon" 12,367' – 12,215') Shut-in Wellhead PSI = 1783 psi Breakdown: 5580 psi Max Rate: 82 BPM Avg Rate: 75.1 BPM Max Pressure: 5580 psi Avg Pressure: 4242 psi Total Prop: 359,535 lbs 40/70 Premium White: 328,212 lbs 100 mesh: 31,322 lbs Max Prop Conc.: 2.44 ppg Water Frac G R: 576.17 bbls Slick Water: 7828.12 bbls 15% FE Acid: 2000 gals Load To Recover: 8452 bbls ISIP: 2228 psi FG: .67 psi/ft 5 min: 2097 psi

Summary Report

Completion
Complete
Job Start Date: 7/9/2014
Job End Date: 8/12/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 2097 Perf Stage #9 Avalon Shale ~~F/ 12,215' T/ 12,365'~~ 12,015 - 12,167 Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 223 bbls treated water @ 12 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 12,190'. Line tension 1,270 lbs to 1,050 lbs when set. Pressure up to 3635 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 12,165' – 12,167' 6 spf 12 shots 21 gm 60 degree phase 12,115' – 12,117' 6 spf 12 shots 21 gm 60 degree phase 12,065' – 12,067' 6 spf 9 shots 21 gm 60 degree phase 12,015' – 12,017' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Ran out of nitrogen for Halliburton pop-off. Waiting for more nitrogen to arrive on location
Performing stage #9 fracture stimulation
Report Start Date: 7/21/2014
Com
Stage #9 Frac ("Avalon" 12,015' – 12,167') Shut-in Wellhead PSI = 1140 psi Breakdown: 4901 psi Max Rate: 76.6 BPM Avg Rate: 74.4 BPM Max Pressure: 6442 psi Avg Pressure: 5090 psi Total Prop:301,066 lbs 40/70 Premium White: 270,104 lbs 100 mesh: 30,962 lbs Max Prop Conc.: 2.51 ppg Water Frac G R: 293.19 bbls Slick Water: 6804 bbls 15% FE Acid: 2000 gals Load To Recover: 7144 bbls ISIP: 2438 psi FG: .69 psi/ft 5 min: 2307 psi
SICP: 2000 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.
SICP: 2000 Perf Stage #10 Avalon Shale F/ 11,967' T/ 11,818' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 121 bbls treated water @ 12.5 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 11,990'. Line tension 1,230 lbs to 1,040 lbs when set. Pressure up to 3500 psi and PU to perf. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 11,965' - 11,967' 6 spf 12 shots 21 gm 60 degree phase 11,915' - 11,919' 6 spf 12 shots 21 gm 60 degree phase 11,865' - 11,867' 6 spf 9 shots 21 gm 60 degree phase 11,818' - 11,820' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #10 Frac ("Avalon" 11,967' – 11,818') Shut-in Wellhead PSI = 2350 psi Breakdown: 6425 psi Max Rate: 82.1 BPM Avg Rate: 77.3 BPM Max Pressure: 5456 psi Avg Pressure: 4691 psi Total Prop:281,130 lbs 40/70 Premium White: 252,526 lbs 100 mesh: 28,604 lbs Max Prop Conc.: 2.51 ppg Water Frac G R: 317.21 bbls Slick Water: 6527 bbls 15% FE Acid: 2000 gals Load To Recover: 6892 bbls ISIP: 2446 psi FG: .71 psi/ft 5 min: 2307 psi NOTE: 06:00 hrs HSM & PJSA w/ day crews
SICP: 1900 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.
SICP: 1800 Perf Stage #11 Avalon Shale F/ 11,767' T/ 11,617' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 163 bbls treated water @ 14 bpm @ 215 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 11,790'. Line tension 1,300 lbs to 1,100 lbs when set. Pressure up to 3800 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 21 gm 60 degree phase 11,715' - 11,717' 6 spf 12 shots 21 gm 60 degree phase 11,665' - 11,667' 6 spf 9 shots 21 gm 60 degree phase 11,617' - 11,619' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #11 Frac ("Avalon" 11,767' – 11,617') Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max Pressure: 6002 psi Avg Pressure: 4506 psi Total Prop: 298,669 lbs 40/70 Premium White: 266,680 lbs 100 mesh: 31,989 lbs Max Prop Conc.: 2.48 ppg Water Frac G R: 412.29 bbls Slick Water: 6569 bbls 15% FE Acid: 2000 gals Load To Recover: 7029 bbls ISIP: 3040 psi FG: .75 psi/ft 5 min: 2690 psi
SICP: 2690 MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 2300 Perf Stage #12 Avalon Shale F/ 11,567' T/ 11,415' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 206 bbls treated water @ 12 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 11,590'. Line tension 1,200 lbs to 1,000 lbs when set. Pressure up to 3700 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 11,565' - 11,567' 6 spf 12 shots 21 gm 60 degree phase 11,515' - 11,517' 6 spf 12 shots 21 gm 60 degree phase 11,465' - 11,467' 6 spf 9 shots 21 gm 60 degree phase 11,415' - 11,417' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #12 Frac ("Avalon" 11,567' - 11,415') Shut-in Wellhead PSI = 2216 psi Breakdown: 6682 psi Max Rate: 80.8 BPM Avg Rate: 75.5 BPM Max Pressure: 5834 psi Avg Pressure: 4574 psi Total Prop: 305,291 lbs 40/70 Premium White: 274,237 lbs 100 mesh: 31,053 lbs Max Prop Conc.: 2.54 ppg Water Frac G R: 635.14 bbls Slick Water: 6693 bbls 15% FE Acid: 2000 gals Load To Recover: 7375 bbls ISIP: 3064 psi FG: .76 psi/ft 5 min: 2670 psi
MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and attempt to equalize. Vendor forgot to open valve after test. Test truck tried to pump through the valve to equalize pressure although there was no pressure actually in the lubricator due to the closed valve. Opened up well and plug and guns began to rattle within the lubricator. N/D lubricator and checked guns and plug. All good. Wireline replaced guns and tools
SICP: 2100 Perf Stage #13 Avalon Shale F/ 11,367' T/ 11,215' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 11,390'. Line tension 1,230 lbs to 1,015 lbs when set. Pressure up to 4100 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 11,365' - 11,367' 6 spf 12 shots 21 gm 60 degree phase 11,315' - 11,317' 6 spf 12 shots 21 gm 60 degree phase 11,265' - 11,267' 6 spf 9 shots 21 gm 60 degree phase 11,215' - 11,217' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #13 Frac ("Avalon" 11,367' - 11,215') Shut-in Wellhead PSI = 2198 psi Breakdown: 6052 psi Max Rate: 77.3 BPM Avg Rate: 75.0 BPM Max Pressure: 6522 psi Avg Pressure: 5323 psi Total Prop: 301,670 lbs 40/70 Premium White: 270,403 lbs 100 mesh: 31,267 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 332.93 bbls Slick Water: 6863.81 bbls 15% FE Acid: 2000 gals Load To Recover: 7244.35 bbls ISIP: 2885 psi FG: .74 psi/ft 5 min: 2623 psi

Report Start Date: 7/22/2014

Com
SICP: 2100 Perf Stage #14 Avalon Shale F/ 11,015' T/ 11,165' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2000 gal 15% FE acid and 1,00 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 11,190'. Line tension 1,000 lbs to 900 lbs when set. Pressure up to 4,400 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 11,165' - 11,168' 6 spf 12 shots 21 gm 60 degree phase 11,115' - 11,118' 6 spf 12 shots 21 gm 60 degree phase 11,065' - 11,068' 6 spf 9 shots 21 gm 60 degree phase 11,015' - 11,018' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #14 Frac ("Avalon" 11,015' - 11,165') Shut-in Wellhead PSI = 2,262 psi Breakdown: 6,528 psi Max Rate: 76 BPM Avg Rate: 75.0 BPM Max Pressure: 6,395 psi Avg Pressure: 5,053 psi Total Prop: 300,447 lbs 40/70 Premium White: 269,176 lbs 100 mesh: 31,271 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 494 bbls Slick Water: 6745 bbls 15% FE Acid: 48 bbls Load To Recover: 7287 bbls ISIP: 3,094 psi FG: .74 psi/ft 5 min: 2,609 psi

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 2,424 Perf Stage #15 Avalon Shale F/ ~~11,815'~~ T/ 11,165' 10,815-10,968 Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 1,000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,990'. Line tension 1,150 lbs to 1,020 lbs when set. Pressure up to 4,400 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 10,965' - 10,968' 6 spf 12 shots 21 gm 60 degree phase 10,915' - 10,918' 6 spf 12 shots 21 gm 60 degree phase 10,865' - 10,868' 6 spf 9 shots 21 gm 60 degree phase 10,815' - 10,818' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #15 Frac ("Avalon" 10,815' - 10,965') Shut-in Wellhead PSI = 2,275 psi Breakdown: 4,476 psi Max Rate: 75 BPM Avg Rate: 75 BPM Max Pressure: 6,491 psi Avg Pressure: 5,124 psi Total Prop: 304,603 lbs 40/70 Premium White: 271,357 lbs 100 mesh: 33,246 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 529 bbls Slick Water: 7,593 bbls 15% FE Acid: 48 bbls Load To Recover: 8,170 bbls ISIP: 3,066 psi FG: .74 psi/ft 5 min: 2,580 psi TREATMENT STAGE NUMBER 8 WITH 4800 LBS OF ¾# 100 MESH SAND PUMPED WE LOST RATE DOWN TO 45 BPM. FLUSH CSG. FOUND SENSOR ON BLENDER TUB NOT READING RIGHT. MADE REPAIRS ON BLENDER . RE-ESTABLISHED INJECTION RATE AND COMPLETED STAGE #15 AS PER FRAC SCHEDULE. DOWN 45 MINS MAKING REPAIRS.
SICP: 2,424 Perf Stage #16 Avalon Shale F/ 10,615' T/ 10,765' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 1,000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,790'. Line tension 1,240 lbs to 1,100 lbs when set. Pressure up to 4,300 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 10,765' - 10,768' 6 spf 12 shots 21 gm 60 degree phase 10,715' - 10,718' 6 spf 12 shots 21 gm 60 degree phase 10,665' - 10,668' 6 spf 9 shots 21 gm 60 degree phase 10,615' - 10,618' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #16 Frac ("Avalon" 10,615' - 10,765') Shut-in Wellhead PSI = 2,579 psi Breakdown: 4,380 psi Max Rate: 75 BPM Avg Rate: 75 BPM Max Pressure: 5,476 psi Avg Pressure: 4,736 psi Total Prop: 306,097 lbs 40/70 Premium White: 271,357 lbs 100 mesh: 33,246 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 550 bbls Slick Water: 6,511 bbls 15% FE Acid: 120 bbls Load To Recover: 7,180 bbls ISIP: 2,859 psi FG: .73 psi/ft 5 min: 2,579 psi
Halliburton blending acid in tanks. Due to acid fumes were being carried across the wellhead, other vendors had to vacate surrounding area operations until blending was complete.
SICP: 2,400 Perf Stage #17 Avalon Shale F/ 10,567' T/ 10,415' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2,000 gal 15% FE acid and 182 bbls treated water @ 9 bpm @ 250 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,588'. Line tension 1,185 lbs to 1,056 lbs when set. Pressure up to 4,400 psi. P/U and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 10,565' - 10,567' 6 spf 12 shots 21 gm 60 degree phase 10,516' - 10,518' 6 spf 12 shots 21 gm 60 degree phase 10,465' - 10,467' 6 spf 9 shots 21 gm 60 degree phase 10,415' - 10,417' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Began to Frac Stage #17 but blender failed repeatedly. Shut down to repair.
Report Start Date: 7/23/2014
Com
Wait on Blender to be swapped out
Stage #17 Frac ("Avalon" 10,415' - 10,565') Shut-in Wellhead PSI = 2,217 psi Breakdown: 4,380 psi Max Rate: 80 BPM Avg Rate: 80 BPM Max Pressure: 5,065 psi Avg Pressure: 4,350 psi Total Prop: 311,930 lbs 40/70 Premium White: 274,977 lbs 100 mesh: 36,953 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 681 bbls Slick Water: 6,634 bbls 15% FE Acid: 120 bbls Load To Recover: 6,753 bbls ISIP: 2,840 psi FG: .73 psi/ft 5 min: 2,642 psi

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
SICP: 2,365 Perf Stage #18 Avalon Shale F/ 10,215' T/ 10,365' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 3,000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,390'. Line tension 1,215 lbs to 1,050 lbs when set. Pressure up to 4,300 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 10,365' - 10,368' 6 spf 12 shots 21 gm 60 degree phase 10,315' - 10,318' 6 spf 12 shots 21 gm 60 degree phase 10,265' - 10,268' 6 spf 9 shots 21 gm 60 degree phase 10,215' - 10,218' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
Stage #18 Frac ("Avalon" 10,215' - 10,365') Shut-in Wellhead PSI = 2,270 psi Breakdown: 3,500 psi Max Rate: 80 BPM Avg Rate: 80 BPM Max Pressure: 6,200 psi Avg Pressure: 4,267 psi Total Prop: 294,616 lbs 40/70 Premium White: 268,774 lbs 100 mesh: 25,843 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 438 bbls Slick Water: 5,013 bbls 15% FE Acid: 120 bbls Load To Recover: 5,570 bbls ISIP: 2,933 psi FG: .73 psi/ft 5 min: 2,615 psi
SICP: 2,365 Perf Stage #19 Avalon Shale F/ 10,015' T/ 10,165' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2,000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,190'. Line tension 1,180 lbs to 1,000 lbs when set. Pressure up to 4,400 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 10,165' - 10,168' 6 spf 12 shots 21 gm 60 degree phase 10,115' - 10,118' 6 spf 12 shots 21 gm 60 degree phase 10,065' - 10,068' 6 spf 9 shots 21 gm 60 degree phase 10,015' - 10,018' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Stage #19 Frac ("Avalon" 10,015' - 10,165') Shut-in Wellhead PSI = 2,260 psi Breakdown: 2,871 psi Max Rate: 75 BPM Avg Rate: 75 BPM Max Pressure: 6,427 psi Avg Pressure: 5,222 psi Total Prop: 289,841 lbs 40/70 Premium White: 258,587 lbs 100 mesh: 31,254 lbs Max Prop Conc.: 2.50 ppg Water Frac G R: 714 bbls Slick Water: 5,315 bbls 15% FE Acid: 120 bbls Load To Recover: 6,148 bbls ISIP: 3,276 psi FG: .73 psi/ft 5 min: 2,678 psi
SICP: 2,365 Perf Stage #20 Avalon Shale F/ 9,815' T/ 9,965' Open well RIH, get on depth w/ CCL and short joint @ 8,911 - 8,922' . Pump down spotting 2,000 gal 15% FE acid and 200 bbls treated water @ 13 bpm @ 200 fpm. Set Halliburton 4.37" Obsidian 8K caged ball frac plug @ 10,190'. Line tension 1,180 lbs to 1,000 lbs when set. Pressure up to 4,400 psi and PU pump rate to 3 bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting tool, 3 1/8" guns @ 6 spf, 60 degree phasing, 21 gm, max-force charges. Perforate as follows: 9,965' - 9,968' 6 spf 12 shots 21 gm 60 degree phase 9,915' - 9,118' 6 spf 12 shots 21 gm 60 degree phase 9,865' - 9,868' 6 spf 9 shots 21 gm 60 degree phase 9,815' - 9,818' 6 spf 9 shots 21gm 60 degree phase POOH, all shots fired, 42 total holes.
R/D Halliburton Wireline
Stage #20 Frac ("Avalon" 9,815' - 9,965') Shut-in Wellhead PSI = 2,149 psi Breakdown: 4,117 psi Max Rate: 80.28 BPM Avg Rate: 75.33 BPM Max Pressure: 5,729 psi Avg Pressure: 4,945 psi Total Prop: 235,606 lbs 40/70 Premium White: 204,214 lbs 100 mesh: 31,392 lbs Max Prop Conc.: 2.47 ppg Water Frac G R: 20,748 gals Slick Water: 223,789 gals 15% FE Acid: 12,600 gals Load To Recover: 249,754 gals ISIP: 2,949 psi FG: .74 psi/ft 5 min: 2,587 psi
R/D all frac related equipment
Report Start Date: 7/24/2014
Com
Well Secured
Finish riging down frac crew and moving off location.
Clean up / stage containment mats and all other auxilliary equipment on location, Prep location for coil tubing. Move off Sand Chiefs
Report Start Date: 7/25/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
PJSM - B&C/WW/FESCO/Old School Discuss Operations for today, SWA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat exhaustion in 110 deg. heat, pinch points, laying iron. Discussed standing clear while pressure test is in progress, moving equipment and need for guide. Discussed overhead lift and working at heights, home made / improper tools.
Spot Equipment - Rig up CTU R/U CTU. Install Coil connector and pull test 30 K Install assy. to circulating sub and test assy. 3000 psi Install motor and bit and test motor at 2.75.bpm at 4800 psi.Test lubricator , coil and frac stack to 300 psi low and 7500 psi high. Halliburton Old School tool assy. 2.88" X 2.00" Coil Connector--------.75' 2.88" Dual BPV----------1.25' 2.88 Jars----------5.75' 2.88" Hydraulic Disconnect----------1.46' 2.88" Circulating Sub----------1.22' 2.88" NOV Agitaor ----------4.54' 2.88" Hi-Torque motor----------12.87' XO 2-3/8"Pac X 2 3/8" Reg bxp--0.89' 4.625" JZ Rock Bit----------.50' Overall tool length 28.97'
Test surface equipment 250 psi low and 8000 psi high.
Equalize well to 2800 psi . TIH pumping 1/2 bpm taking 1/2 bpm returns at 2850 psi. Pumping FW with 1 gal FR/10 bbls.
Tag Plug # 1 @ 10050'CTM Mill up in 20 minutes Pump 2.5 bpm getting 3.0 returns Pump 10 bbl sweep Drill bottom in 14 min, wash some sand Pump 10 bbl sweep RIH Tag plug # 2 @ 10252' CTM Drill Plug, tag/drill bottom @ 10256'CTM Mill up both 26 minutes Send 10 bbl sweep Drilling up sand Pump 2.5 bpm getting 3.0 returns RIH Tag Plug # 3 @ 10,450' CTM Drill Plug, tag/drill plug bottom @ 10465'CTM Mill up in 45 minutes Send 10 bbl Sweep Drilling up sand Pump 3.5 bpm getting 3.5 returns RIH Tag Plug # 4 At 10,550' Pump 10 bbl Sweep, followed by 47 bbl flush
Make short trip out of hole While POOH fighting drag. When see drag RIH 100', then POOH - tight spot gone. Pressure increasing on CT from 4800 psi to 6000 psi - sand in vertical. Once sweeps from Plug #3 and after tag #4 out - pressure decrease Pump 10 bbl sweep, 10 bbl spacer, 10 bbl sweep to clean. POOH to Kickoff point, RIH to landing point RIH and tag Plug 4

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Tag Plug # 4 @ 10,648' CTM (KB and Tool Lenght not accounted for) Mill up in 15 minutes Pump 2.5 bpm getting 3.0 returns Pump 10 bbl sweep Wash to next plug in 10 min, wash some sand Pump 10 bbl sweep RIH Tag plug # 5 @ 10,853' CTM (KB and Tool Lenght not accounted for) Mill up both 10 minutes Send 10 bbl sweep Wash to next plug in 10 min, wash some sand Pump 2.5 bpm getting 3.0 returns RIH Tag Plug # 6 @ 11,052' CTM (KB and Tool Lenght not accounted for) Mill up in 12 minutes Send 10 bbl Sweep Wash to next plug in 20 min, wash some sand Pump 3.5 bpm getting 3.5 returns RIH Tag Plug # 7 At 10,550' Pump 10 bbl Sweep, started to pull and was pulling heavy. Pumped a 10, 10, 10 sweep wait for last sweep to exit coil and beging short trip

Report Start Date: 7/26/2014

Com
Make short trip out of hole While POOH fighting sand and drag. Pumping several sweeps of 10 bbls, 20 bbls and 47 bbls sweeps trying to lift sand and reduce drag Call was made to pump N2 with foamer to assist with clean up POOH to Kickoff point, RIH to landing point RIH and tag Plug 7 Did not see any sand when RIH from KOP to Plug #7.
Tag Plug # 7 @ 11250' CTM (KB and Tool Length not accounted for) Send 10 bbl Sweep Mill up in 17 minutes Wait for Sweep to Exit, Send another 10 bbl sweep Pump 2.8 bpm getting 3.0 returns Tag Plug #8 at 11452 CTM (KB and Tool Length not accounted for) Mill up in 20 min Wait for sweep to Exit, Send another 10 bbl Sweep RIH Tag Plug # 9 At 11655' CTM (KB and Tool Length not accounted for) POOH Pumped the following configuration for each plug: 10 bbl sweeps, with each sweep exiting CT after Plug drilled, 70' past plug, 140'past plug, and tag next plug. All sweeps were clean or small amount of sand
Make short trip out of hole. While POOH started pulling heavy @ 11,200', 10806', 10640', RIH then pull heavy at 10690', 10600', 10584', 10524', 10513'. While pulling heavy from 10700 to 10500 tried various sweep configurations, little sand initially, medium sand later came back after each sweep POOH, pull heavy at 10317, 9958' Medium sand after 9958' sweep. At Kickoff point, slow pump, rig up nitrogen, test lines. Bring on Nitrogen at 758 scf/min and 1.3 bbl/min liquid. RIH to 10,800 ft foamed fluid and ROH to 9,500 cleaning hole. RIH to tag and mill out plug 9

Report Start Date: 7/27/2014

Com
RIH and tag plug 9 @ 11672' CTM

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Tag Plug # 9 @ 11,672' CTM (KB and Tool Length not accounted for) Chased plug down to 11,682 Send 10 bbl Sweep Mill up in 10 minutes Send 10 bbl sweep Pump 2.8 bpm getting 3.0 returns Tag sand and wash @ 11,745 Tag Plug #10 at 11,850' CTM (KB and Tool Length not accounted for) Mill up in 10 min Send 10 bbl sweep Wash sand to plug 11, tag plug 12,056', Start N2
Start Short Trip with N2 and foam, pulled weight at 11,871' send 10 bbl sweep. Continue trying to POOH Returns clean so far While POOH started pulling heavy @ 11,871, 11400 (3 hrs to get past) POOH smooth from 11400 to 10582' (2 tight spots @ 10943, 10809; 2 hrs, running slow) POOH difficult from 10582 to 10465' with tight spots at 10582', 10558', 10537', 10542', 10532', 10524', 10465' (5 hrs) POOH slowly from 10465' to KOP at 8995', with tight spots at 10366, 10312', 10269', 9955' (2.5 hrs) POOH to surface. NOTE: Pulled approximately 17 yards of sand out of open top yesterday (81bbls of sand). Pull approximately 17 yards of out sand out of open top today (81 bbls of sand) for about 160 bbls of sand back. Casing capacity from top shot to plug tagged: 44 bbls. Come to surface to cut 400 ft of pipe due to fatigue and andd AV Sub.
Shut in well and ND Well head flange. Function test motor 2,100 psi @ 2.5 bpm
R/D and Pick up Coil Tubing Wellhead stack and cut off 400 ft of pipe. Install Coil connector and pull test 30 K Install assy. to circulating sub and test assy. 3000 psi Install AV Sub.Test lubricator, coil and frac stack to 300 psi low and 7500 psi high. Halliburton Old School tool assy. 2.88" X 2.00" Coil Connector-------.75' 2.88" Dual BPV----------1.25' 2.88 Jars----------5.75' 2.88" Hydraulic Disconnect----------1.46' 2.88" Circulating Sub----------1.22' 2.88" NOV Agitaor ----------4.54' 2.88" AV Sub----------0.95' 2.88" Hi-Torque motor----------12.87' XO 2-3/8"Pac X 2 3/8" Reg bxp--0.89' 4.625" JZ Rock Bit----------.50' Overall tool length 29.92'
Test surface equipment 250 psi low and 8000 psi high.
Report Start Date: 7/28/2014
Com
RIH circulating fluid 3.5/3.5. Weight check at 8,900' and 10,900' Tag plug #11

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Tag Plug # 11 @ 12,058' CTM (KB and Tool Length not accounted for) Send 10 bbl Sweep Mill up in 5 minutes Send 10 bbl sweep Pump 3.5 bpm getting 3.5 returns RIH and wash @ 12,075 wait for sweep
ROH at 12,075' to 9,500' at 30 ft/min No drag encountered Run back in hole @ 60 ft/min
Tag sand @ 12,187' and wash to plug 12. Tag Plug # 12 @ 12,259' CTM (KB and Tool Length not accounted for) Send 10 bbl Sweep Mill up in 16 minutes Send 10 bbl sweep Pump 3.5 bpm getting 3.5 returns Wash down to plug 13 Tag Plug # 13 @ 12,459' CTM (KB and Tool Length not accounted for) Send 10 bbl Sweep Mill up in 17 minutes Send 10 bbl sweep Pump 3.5 bpm getting 3.5 returns Wash down and tag plug 14 @ 12,658 Send 10 bbls sweep
Short trip from Plug #14 @ 12658' Send 10 bbl sweep, Initially POOH at 30' min, pumping 3.5 bpm in / 3.5 bpm out. Hit Tight Spot @ 11420', pump 5 sweep Hit Tight Spots @ 10520, 10498, 10494, 10490, 10488, 10483 (2.5 hrs to get past) Hit Tight Spots @ 10361, 10324 Pump 5 bbl sweeps at tight spots, mixed success at getting past with just sweeps, had to RIH and work area to get past. Sweeps getting back within 15 minutes of calculated time. (14 min down coil, 55 minutes up annulus @ 10500) POOH Slowly to kickoff point, discuss with office. Decide to Flowback well. POOH to surface. Pressures contant 2000 psi on casing Pressures fluctuated 5800 psi - 6500 psi on CT (sweeps in coil)
CT at surface, shut in well.
Pre-Rig down safety meeting. ND lubricator, pull off tool string. Blow coil dry with N2. Complete CT rig down. NU Crown valve on tree, prep for flowback.
Well shut in NU and tighten up crown valve.
Report Start Date: 7/29/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Open well on 12/24 Choke

Time	Choke 1/64ths	WHP psig	Water STB/hr	Vol STB	Cl- PPM
00:00		2000	0.00	0.00	
01:00	12	1940	54.40	54.40	
02:00	12	1930	55.10	109.50	
03:00	12	1925	56.90	166.40	
04:00	12	1925	52.80	219.20	
05:00	12	1920	57.90	277.10	
06:00	12	1920	55.80	332.90	27,000

Time	Choke 1/64ths	WHP psig	Water STB/hr	Vol STB	Cl-
06:00	12	1920	55.80	332.9	27,000
07:00	14	1905	76.20	409.1	
08:00	14	1905	72.00	481.1	
09:00	14	1900	75.00	556.1	
10:00	14	1895	72.60	628.7	
11:00	14	1895	75.00	703.7	
12:00	14	1895	73.80	777.5	27,000
13:00	16	1885	90.00	867.5	
14:00	16	1880	87.00	954.5	
15:00	16	1880	87.60	1042.1	
16:00	16	1880	87.00	1129.1	
17:00	16	1870	88.80	1217.9	
18:00	16	1870	86.40	1304.3	33,000

Continue Flowback well with 24 hr supervision

Report Start Date: 7/30/2014

Com

Time	Choke	Pressure		STB/hr	STB	Chlorides
18:00	16	1870	86.40	1304.3	33,000	
19:00	16	1874	87.60	1391.9		
20:00	16	1856	84.20	1476.1		
21:00	16	1850	88.00	1564.1		
22:00	16	1846	87.20	1651.3		
23:00	16	1843	85.10	1736.4		
00:00	16	1838	88.90	1825.3	31,000	
01:00	16	1833	86.00	1911.3		
02:00	16	1829	87.20	1998.5		
03:00	16	1825	75.90	2074.4		
04:00	16	1821	89.52	2163.9		
05:00	16	1818	87.21	2251.1		
06:00	16	1818		2251.1	42,000	

Time	Choke	pressure		STB/hr	STB	STB	Chlorides
6:00	16	1815	87.60	2338.7	79890.6	42,000	
7:00	16	1812	87.92	2426.7	79802.7		
8:00	16	1809	87.00	2513.7	79715.7		
9:00	16	1810	83.40	2597.1	79632.3		
10:00	18	1800	103.80	2700.9	79528.5		
11:00	18	1793	113.40	2814.3	79415.1		
12:00	18	1792	115.80	2930.1	79299.3	35,000	
13:00	18	1791	114.60	3044.7	79184.7		
14:00	18	1788	115.20	3159.9	79069.5		
15:00	18	1788	115.20	3275.1	78954.3		
16:00	20	1762	136.20	3411.3	78818.1		
17:00	20	1755	139.80	3551.1	78678.3		
18:00	20	1748	141.00	3692.1	78537.3	37,000	

Flowback with 24hr supervision.

Shut in well due to weather for 2 hours. (20:00 to 22:00)

Report Start Date: 7/31/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com						
Time	Choke	PSI	STB/hr	STB	STB	Chloride
18:00	20	1748	141.00	78537.3	3692.1	37,000
19:00	20	1739	142.00	78395.3	3834.1	
20:00	20	1720	0.00	78395.3	3834.1	
21:00	20	1720		78395.3	3834.1	
22:00	20	1767	143.00	78252.3	3977.1	
23:00	20	1731	141.00	78111.3	4118.1	39,000
00:00	20	1715	142.00	77969.3	4260.1	
01:00	20	1711	139.00	77830.3	4399.1	
02:00	20	1706	143.00	77687.3	4542.1	
03:00	20	1695	140.00	77547.3	4682.1	
04:00	20	1695	137.00	77410.3	4819.1	
05:00	20	1692	140.00	77270.3	4959.1	
06:00	20	1682	141.00	77129.3	5100.1	39,000

Well shut in.

PJSM - B&C/FESCO/Old School Discuss Operations for today, SWA, TIF, ERP, Tenet of Day and Hazard ID Wheel. Rigging up Coil Tubing and Tools, Hazards associated with Coil Rig Up, Heat exhaustion in 110 deg. pressure while pumping and on flowback. Sand and chemical exposure or spills.

Spot Equipment, Rig up iron.

Shut down for lightning - wait for storm to pass

Finish Rig up - R/U CTU Injector/Lubricator Assy. Install Coil connector and pull test 30 K Install assy. to circulating sub and test assy. 3000 psi Install motor and bit and test motor at 2.75.bpm at 4800 psi.Test lubricator , coil and frac stack to 300 psi low and 7500 psi high.

Halliburton Old School tool assy.

2.88" X 2.00" Coil Connector--------.75'
2.88" Dual BPV----------1.25'
2.88 Jars----------5.60'
2.88" Hydraulic Disconnect----------1.45'
2.88" Circulating Sub----------1.27'
2.88" AV Sub----------0.95'
2.88" CTT Amplimax Agitaor --------6.31'
2.88" Hi-Torque motor----------12.87'
XO 2-3/8"Pac X 2 3/8" Reg bxp--0.60'
4-5/8" JZ Rock Bit----------.50'

Overall tool length 31.65'

RIH w/ CT, pumping 0.5 bpm in / 0.5 bpm out.
Perform weight checks every 2000 ft.
At KOP - increase rate to 3.5bpm in / 4 bpm out.
RIH to 10600', circulate 10 bbl sweep to surface - clean.
RIH, tag plug #14 @ 10657' CTM, pump 10 bbl sweep - back clean.

Tag Plug #14 @ 10657' CTM
Drill plug slowly - thru in 25 minutes
Tag plug bottom @ 10661'CTM, work on plug bottom
Csg pressure incresed from 1730 to 1790psi after drilling plug.
Pump 10 bbl sweep - returns clean.
Start to get 6 ppm H2S, clear area around Open Top. Regularly sniff area - drop down to 3 then zero in 2 hrs. Continue to monitor for H2S.

Drill / Wash slowly to

Tag Plug 15 @ 12,884'
Drill thru plug in 1 hr 12 min
Pumped 10, 10, 10 sweeps, getting back trace amounts of sand.

Report Start Date: 8/1/2014

Com

Tag Plug 15 @ 12,884'
Drill thru plug in 1 hr 12 min
Pumped 10, 10, 10 sweeps,
Getting back trace amounts of sand.

Wash through sand to tag plug 16 @ 13,060, ran 4 sweeps.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
Short Trip from 13,060 to 8,785 ft. Running a 10 bbl sweep every 1,000 ft. No Over pull while POOH to 8785 ft RIH to tag / drill plug # 16
Pump 10 bbl Sweep Tag Plug #16 @ 13048' Drill Thru Plug in 20 minutes - Good Torque, no stall Pump 10 bbl Sweep - Came back with small amount of plug parts RIH tag @ 13055, drill / RIH slowly ~2ft/min 4 bpm in / 4.5 bpm out, Tag hard at 13173', unable to get past. POOH 13155' - Tag as soon as RIH POOH 13012' - Tag as soon as RIH POOH 12500' - Tag at 12510'
POOH to KOP - Stop @ 8700' No drag / overpull while short tripping. Sweep from short trip had sand / plug parts. RIH to continue drilling sand / object- Tag @ 13173 ft, continue drilling until tag plug.
Tag Plug #17 - 13252 ft. Drill plug in 45 min Send sweep and wash sand to bottom
Report Start Date: 8/2/2014
Com
Wash down from 13,279' to 13,416' and motor stalled. Plulled up to 13,099 and RIH to 13,106 and took weight, POOH from 13,106 to 12,500 and got motor to unstall. RIH to 13,097 and motor stalled again. POOH Short Tripping to 8,700. OTG Arrive to Clean Containment Mats- Hold Safety Meeting, discuss coil operations and hazards associated. Clean / Remove Containment mats to reeves.
Start Short Trip at 13,097 to 8,700 to get trash off motor. RIH tag sand @ 13413' CTM No drag / overpull coming out or running in.
Start drilling stand @ 13413' at 0.2-0.5 ft/min. Start washing sand @ 13424' - 5 ft/min. Tag Plug #18 @ 13468' CTM Pump 10 bbl sweep Drill thru plug in 45 min Pump 10 bbl sweep Slowly drill down from 13468' CTM to 13599'CTM. Set weight down at 13599'CTM.
POOH to surface No drag / no overpull Shut in Well
PJSM - B&C/FESCO/Old School Discuss rig down operations. Discuss SWA, TIF, ERP, Tenet of Day #2. Discuss weather, muster stations, tools - condition and home made - take out of service. Discuss TIF and how affects you - complacency / frustration. Rig down slow and safe - check 6 and watch pinch points.
Pre-Rig down safety meeting. ND lubricator, pull off tool string. Blow coil dry with N2. Complete CT rig down, prep for flowback.
Report Start Date: 8/3/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com

Opened up well at midnight

Time	Choke	PSI	STB/hr	Recovered
00:00	0	1670		0.00
01:00	20	1670	146.20	146.20
02:00	20	1645	144.00	290.20
03:00	20	1640	143.10	433.30
04:00	20	1640	138.00	571.30
05:00	20	1635	133.40	704.70
06:00	20	1635	134.20	838.90

Total Frac Volume: 144322 bbls
Total Load Recovered since started coil tubing: 8050 bbls

Total Recovered at 0600: 8,888 bbls
FLTR at 0600: 135,434 bbls

TIME	CHOKE	WHP	STB/HR	Recovered	CL-
06:00	20	1635	134.20	838.9	
07:00	22	1615	156.00	994.9	
08:00	22	1610	147.00	1141.9	
09:00	22	1605	147.00	1288.9	
10:00	22	1605	151.80	1440.7	
11:00	22	1600	153.00	1593.7	
12:00	22	1600	153.60	1747.3	47,000
13:00	24	1595	154.80	1902.1	
14:00	24	1590	156.00	2058.1	
15:00	24	1585	159.60	2217.7	
16:00	24	1580	159.60	2377.3	
17:00	24	1580	159.60	2536.9	
18:00	24	1573	157.20	2694.1	48,000

Change to 26 choke at 18:00

Total Frac Volume: 144322 bbls
Total load recovered at 1800: 10744 bbls
FLTR at 1800: 124690 bbls

Hold Safety Meeting with FESCO, Stone.
Clean Open Top tanks of sand. Recovered approximately 11 yds of sand (32,000 lbs) while drilling plugs 14 - 18.

Total Sand recovered during CT drillout is approximately 110,000 lbs of sand (includs 72,000 recovered 7-27-14, 32,000 today, and about 6000 lbs still in tank.

Hold Safety Meeting w/ OTG - Clean / Wash containment from CT job.

Continue Flowback with 24 hr supervision.

Report Start Date: 8/4/2014

Com

Time	Choke	WHP	STB/HR	Recovered
01:00	28	1482	218	4120.7
02:00	28	1475	217	4337.7
03:00	28	1471	220	4557.7
04:00	28	1465	216	4773.7
05:00	28	1460	210	4983.7
06:00	28	1457	217	5200.7

Chlorides at 0600: 52,000

Shut in well at 0600

Total Frac Volume: 144322 bbls
Total load recovered at 1800: 13250 bbls
FLTR at 1800: 131072 bbls

Small amount of gas back during flowback, no oil seen. Did not see sand while flowing back, after draining tank, see less than 1 bbl of sand on bottom.

Pre Job Safety Meeting w/ PWR, B&C, Halliburton, Baker, WW, Weatherford.
Discuss operations - R/U, RIH w/ GR, Pump 250 bbl fluid, RIH w/ Packer. Discuss SSE program, SWA, ERP, TIF, hazards associated with job - pressure, pinchpoints, overhead loads. Stress good communication between all companies and inspection of tools before using with removal of home made tools.

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Com
R/U pump truck, lubricator, wireline, test equipment.
Test Halliburton Pump truck 250 low / 4500 psi high Fill lubricator, test 250 low / 4500 psi high
TIH w/ 4.60 Gauge Ring and Junk Basket to 8970' No tight spots, Correlate with short joint at 8911'-8922'
Establish injection rate of 3 bpm, initially 1700 psi. Pump 250 bbls of fresh water, with final pressure at 2025 psi.
Make up packer assembly: 2.313" X 2 7/8" "X" Profile Nipple ID; 2.31" OD: 2.875" LENGTH: 1.25' 2.875" X 4.5" WFT Arrowset 1-X 7K Pkr ID: 2.44" OD: 4.5" LENGTH: 8.5' 2.875" X 6' Pup Joint ID: 2.44" OD: 2.875 LENGTH: 5.6' 2.313" X (2.25" No-Go) "XN" Nipple ID: 2.313" X 2.25" OD: 2.875" LENGTH: 0.80' 2.875" X 4' Pup Joint ID: 2.44" OD: 2.875" LENGHT: 3.9' 2.875" Pump out Plug ID: 2.44" OD: 2.875" LENGTH: .46" POP is pinned with 4 pins - each 417 psi -1668 psi total Well bore pressure was 1900 psi prior to packer run. POP should shear approximately 3568 psi.
TIH w/ Packer assembly. Correlate with short joint at 8911'-8922. Set Packer: 8914.5' - CCL Depth Top of Packer at 8931' Middle Element at 8935' Bottom Packer at 8952' POOH with W/L
R/D WL, Lubricator, pump truck. N/U Night cap.
Bleed off Well Pressure. Monitor overnight with 24 hr supervision
Report Start Date: 8/5/2014
Com
Fesco monitor negative test on packer w/ flowline open to OTT. No flow w/ "0" psi. Good test.
HSM & PJSA w/ Fesco, Key, B&C, GE. Discuss Scope of Job, SWA, TIF, ERP, pinch points, spotters while backing, over head loads, communication.
SICP: "0", SIICP: "0", SISCP: "0" MIRU B&C Crane, WW Wireline torque unit. ND Frac stack to closed LMV, RU GE lubricator onto LMV. Lubricate in flow bushing w/ BPV in place. Install 7 1/16" 10M capping flange and close in csg valves. Begin RD FB equipment
RDMO WW Wireline, GE. Fesco complete RD of FB equipment, manifold, restraints, OTT, lines. Install gate panels around WH. Key empty OTT, FB tanks. OTG clean containment mats. Basic and Key wash out sand from FB tank. NOTE: Basic PU 2 FB tanks and carry to Gramma Ridge and set to side of location.
Report Start Date: 8/6/2014
Com
HSM & PJSA w/ Key, NOV. Discuss Scope of Job, SWA, TIF, ERP, pinch points, spotters while backing, communication.
NOV transfer f/w from tanks on location to frac pit and RD pumps and hoses. Key pull tank BTM's on frac tanks. NOTE: Trend MOB 1 company man trailer to the Skeen 4H

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Report Start Date: 8/7/2014
Com
HSM & PJSA w/ Sunbelt, Stone Discuss Scope of Job, SWA, TIF, Tenet #7 We always...conply with all applicable rules and regulations, pinch points, backing w/ spotters, communication.
Sunbelt PU ML, FL and light towers. Stone PU 3 Frac tanks
Report Start Date: 8/8/2014
Com
CREW TRAVEL FROM PREVIOUS LOCATION.
CREW LUNCH, R/U JSA, SAFETY DRILLS.
SPOT EQUIPMENT AND R/U.
N/U BOPE. FUNCTION TEST RAMS. VISUAL INSPECTION = GOOD.
DEBRIEF AND CREW TRAVEL FROM LOCATION.
WELL SHUT IN, NO ACTIVITY.
Report Start Date: 8/9/2014
Com
WELL SHUT IN, NO ACTIVITY.
CREW TRAVEL TO LOCATION.
REVIEW JSAs, TENET #9, HAZARD ID, E-COLORS, MYSPACE 360, WELL CONTROL.
CHECK WELL PRESSURE = 0PSI, PRE-JOB EQUIP INSP, CALIPER ELEVATORS.
LOWER AND SECURE RIG FLOOR & RAILS.
MOVE IN R/U WELLHEAD TECH. REMOVE BPV AND INS HANGAR W/2WAY CHECK.
MOVE IN AND R/U LAYDWN MACHINE.
JSA, MOVE IN AND OFFLOAD 288 JTS 2-7/8" L80 PRODUCTION TBG AND SUBS. STRAP AND TALLY.
CREW LUNCH AND SAFETY DISCUSSION.
JSA. MOVE IN AND R/U BOP TST EQUIP.
ATTEMPT TO PRESSURE UP AND TST BOPE. PRESSURE WOULD NOT HOLD, BLEED OFF AND TROUBLE SHOOT. MADE SEVERAL ATTEMPTS.
PULL HANGAR W/2WAY CHECK. REDRESS HANGAR AND VALVE AND RIH, RESEAT.
PRESSURE UP AND TST BOPE. RAMS - 250 LOW / 4500 HIGH, HELD EACH 15 MINS, TEST = GOOD.
ATTEMPT TO TEST ANNULAR - COULD NOT HOLD PRESSURE, TROUBLE SHOOT. EITHER ANNULAR OR HANGAR NEEDS REPLACED. ORDERED FOR MON. FIRST THING.
SECURED WELL, SIFN. DEBRIEF.
CREW TRAVEL FROM LOCATION.
WELL SHUT IN, NO ACTIVITY.
Report Start Date: 8/9/2014
Com
Report Start Date: 8/10/2014
Com
WELL SHUT IN, NO ACTIVITY.
Report Start Date: 8/11/2014
Com
WELL SHUT IN, NO ACTIVITY.
CREW TRAVEL TO LOCATION.
JSAs REVIEW, TENET #1, HAZARD ID, E-COLORS, MYSPACE 360, WELL CONTROL.
CHECK WELL PRESSURE = 0 PSI. PRE-JOB EQUIP INSP, CALIPER ELEVATORS.
R/U BOP TSTR RIH W/HANGAR & 2-WAY CHK VALVE. BEGIN TO PRESSURE UP ANNULAR FOR TESTING.
SHUT DOWN FOR LIGHTNING.
PRESSURE UP ANNULAR TO 3500 PSI, HELD 15 MINS. TEST GOOD.
BLEED OFF PRESSURE AND R/D TESTER. REMOVE HANGAR AND 2-WAY CHK VALVE.
P/U ON/OFF TOOL AND RIH W/2-7/8" L80 PROD TBG.
CREW LUNCH AND JSA REVIEW.
CONT RUN IN HOLE W/2-7/8" L80 6.5# PROD TBG. TAG TOP OF PKR@8931' TALLY DEPTH WITH 282 JTS. LATCH ON AND SET 10 PTS COMPRESSION FOR SPACE OUT MEASUREMENTS. RELEASE.
HOOK UP FLOW LINE AND BEGIN TO CIRCULATE. DISPLACE PROD. H2O W/PKR FLUID. PUMPED 188 BBLS @ 2BPM.
SECURE WELL AND SIFN. DEBRIEF.
CREW TRAVEL FROM LOCATION.
WELL SHUT IN, NO ACTIVITY.

Summary Report

Completion
Complete
Job Start Date: 7/9/2014
Job End Date: 8/12/2014

Well Name	Lease	Field Name	Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,415.00	3,439.50	3,439.50, 5/8/2014	0.00	0.00

Report Start Date: 8/12/2014

Com
WELL SHUT IN, NO ACTIVITY.
CREW TRAVEL TO LOCATION.
REVIEW JSAs, TENET #2, HAZARD ID, E-COLORS, OE ELEMENTS/EXPECTATIONS, MYSPACE 360, WELL CONTROL.
CHECK WELL PRESSURE = 0. PRE-JOB EQUIPMENT INSP, CALIPER/LOG ELEVATORS.
L/D 2 JTS 2-7/8" L80 TBG, P/U 3 SUBS & SPACE OUT, LATCH ON, SET STRING IN COMPRESSION - 12 PTS. PRODUCTION STRING DETAILS: 1 JT 2-7/8" L80- 31.85' 2/7/8" SUB - 10' 2/7/8" SUB - 8' 2/7/8" SUB - 6' 280 JTS 2-7/8" L80 - 8883.63 2.313" X 2 7/8" "X" Profile Nipple ID; 2.31" OD: 2.875" LENGTH: 1.25' 2.875" X 4.5" WFT Arrowset 1-X 7K Pkr ID: 2.44" OD: 4.5" LENGTH: 8.5' 2.875" X 6' Pup Joint ID: 2.44" OD: 2.875 LENGTH: 5.6' 2.313" X (2.25" No-Go) "XN" Nipple ID: 2.313" X 2.25" OD: 2.875" LENGTH: 0.80' 2.875" X 4' Pup Joint ID: 2.44" OD: 2.875" LENGHT: 3.9' 2.875" Pump out Plug (IE: WIRELINE GUIDE) ID: 2.44" OD: 2.875" LENGTH: .46" TOP OF PKR - 8931' MIDDLE ELEMENT - 8935' BTTM OF PKR - 8952'
JSA, R/U WELLHEAD TECH, LAND TBG HANGAR, SET LOCK PINS, SET BPV.
RAISE RIG FLOOR AND N/D BOPE
HEAT BRK AND CHESM AUDIT SAFETY REVIEW W/LUKE MEAUX & ELMO CLARK.
FINISH N/D BOPE.
N/U GE 5K FLOW TREE. TEST TO 4000 PSI, HELD 10 MINS, TEST = GOOD. PULLED BPV. INSTALLED HANDWHEELS ON VALVES/CHOKE.
MOVE IN R/U PUMP TRUCK & EQUIP. PRESSURE UP BACKSIDE T/540 PSI, HELD TEST 35 MINS = TEST GOOD. LOAD TBG 1.3 BBLS, PRESSURE UP TO PUMP OUT PLUG - PINS SHEARED AT 3800 PSI. 1900 PSI ON FORMATION. R/D AND MOVE OUT PUMP TRUCK.
JSA, R/D AND MOVE OUT ALL EQUIPMENT. CLEAN LOCATION.
DEBRIEF AND REVIEW PLAN FORWARD.
CREW AND RIG IN TRANSIT TO YARD. **********FINAL REPORT**********