

Tubing Summary

C		11-25-33	001H			lills 11-25-33		RE	D HILLS		<u>. </u>	_		ontinent		(4)
Ground E	levatio	n (it)		3,415.		RKB Elevation (ft)		3,439.50 3,4	rent RKB E 39.50, 5				Mud Lin	e Elevation (ft	i) Water Depth 0.00	(ft)
Current K	KB to G	round (ft)		24.		KB to Mud Line (ft)		3,439.50	rent KB to C	Sg Flange	: (ft)		Current	KB to Tubing	Head (ft)	
		Land - O	riginal Ho	ble, 8/12/2014		 	Tubir	ng Strings								
		1	nginai ric	, or (2/2014	- 3.13.00 AN	,,,,,,,	Tubing	Description		ned Run?			Set Depth (MD) (ftK		Set Depth (TVD) (f	
(ftK (ftF B) B)				Vertical sche	ematic (actua	il)	Tubin Run Da	g - Production	Run		<u>N</u>		Pull Date	8,952.0	Pull Job	8,9
21.5 24.0	. 0.3	mannan		- Interingen	1-1; Tubing 31.85	; 2 7/8; 2.441; -8;	Run Da	8/12/2014			7/9/201				Pull Job	
29.5 29.5						Pup Joint; 2 7/8;			07:			<u> </u>				
1		1 1 1			_1-3; Tubing	; 2 7/8; 2.438; 48;	Jts 1	Item Des Tubing	OD (in) 2 7/8	ID (in) 2.441	Wt (lb/ft)	Grad L-80	de Top Thread	Len (ft) 31.85	Top (ftKB) -8.0	Btm (f
1256.0 1 250	0.3				8,883.63 1-4; T2 On	-Off Tool; 2 7/8;										_
. 14. 4 1613	2.1					r; 4 1/2; 2.440;	3	Tubing Pup	2 7/8	2.441				24.00	23.9	4
¥ 931 4 6,925	18 4 3.4				8,933; 8.50 1-6; Tubing	Pup Joint; 2 7/8;	280	Joint Tubing	0,710	2.437	6 50	L-80		8,883.6	47.9	8,93
6 MP 3 E.944	4.3			Total and the second se	2.441; 8,94 1-7; 2.313	XN - Nipple; 2 7/8;	200	l ubing	2 110	2.457	0.00	L-00		3	47.5	0,95
14(71 9512	24 87.1		1		2.205; 8,94 1-8; Tubing	Pup Joint; 2 7/8;	1	T2 On-Off	2 7/8	2.313		l		1.25	8,931.5	8,93
	90.4	-	1			ne Guide; 3 11/16;		Tool								
12 A M B	91.3				2.441: 8,95	52; 0.46	1	Packer	4 1/2	2.440				8.50	8,932.7	8,94
10 238 1 0,511	91.3						1	Tubing Pup	2 7/8	2.441	6.50	L-80		5.60	8,941.2	8,94
10 217 a 9 506	90.8		j					Joint						1		
10 317 9 · 0 508			1				1	2.313 XN - Nipple	2 7/8	2.205				0.80	8,946.8	8,94
10 4 10 0 B 502	1						1	Tubing Pup	27/8	2.441	6 50	L-80		3.90	8,947.6	8,95
10 518 0 507 70 518 1 9,507	1							Joint	- 1/0		0.00				0,011.0	0,00
14 717 8 9 505							1	Wireline	3	2.441				0.46	8,951.5	8,95
10021 9511			1				-	Guide	11/16			Ļ		1	L	L
18918B 8514		5	3					Strings escription	Plar	ined Run?		1	Set Depth (ftKB)		Set Depth (TVD) (f	tKB)
11 518 5 9 513		5					Run Da	ate	Run	loh			Pull Date		Pull Job	
11 116 1 851	185 89.1		1													
19 216 9 \$ 52	21 B B9.1		5				Rod Jts	Components Item) (in) 1	Grade	Model	Len (ff		Btm (f
								nem			D (in)	Grade	wiouei		t) Top (ftKB)	Can (i
11 314 5 0 52	23 5 87.9															
11 316 9 52 11 417 9 9 52	1												L			
11 417 B 9 525	253 89.8 250 90.4												L			
11 417 B 9 525 61 317 1 9 525 19 619 1 9 52- -	253 89,8 250 90,4 244 90,2									I			L			
11 417 B 9 525	253 89,8 250 90,4 244 90,2									L	I		<u> </u>	_1		
114(79 052) 115(7) 052) 136(9) 052 137(66 052) 137(66 052)	253 89.8 250 90.4 244 90.2 245 89.8 246 90.0			<u> </u>									<u> </u>		<u> </u>	<u> </u>
11 417 8 0 822 11 317 1 0 522 19 619 1 0 822 11 7164 0 522 11 3178 0 522 11 3178 0 522 11 3179 8,52	283 89,6 250 90,4 244 90,2 245 89,6 246 90,6 246 90,6												<u> </u>			<u> </u>
11 417 8 0 622 11 317 1 0 522 19 619 1 0 622 11 317 8 0 522 11 317 8 0 522 11 317 8 0 522 11 317 9 9,52	253 89,8 250 90,4 244 90,2 245 89,0 246 90,1 246 90,1 246 90,1									I			<u> </u>			
11 417 8 0 522 11 317 1 0 522 13 519 1 0 522 13 745 1 0 522 13 745 0 522 13 745 0 522 13 745 0 522 13 317 0 522 12 417 1 0 522	253 89,8 250 90,4 244 90,2 245 89,8 244 90,2 245 89,8 246 90,1 247 90,1 248 90,1 249 90,1 240 90,1 224 90,2 203 91,2															<u> </u>
114179 822 11317 922 11317 922 11788 922 11788 922 11318 922 12317 922 12317 922 12317 922	25.3 89.8 25.0 90.4 24.4 90.2 24.5 89.6 24.6 90.1 24.6 90.1 24.6 90.1 24.7 90.1 24.8 90.1 24.9 90.1 24.4 90.2 24.5 90.1 24.6 90.2 24.8 90.2 24.8 90.2												<u> </u>		I	
11475 0.022 11571 0.522 11571 0.522 11611 0.522 11714 0.522	25.3 89.8 25.0 90.4 24.4 90.2 24.5 89.6 24.6 90.1 24.6 90.1 24.6 90.1 24.6 90.1 24.6 90.1 24.7 90.3 24.8 90.3 24.9 90.3 24.8 90.3 24.8 90.3 24.8 90.3 24.8 90.3 24.8 90.3 24.8 90.3 24.8 90.3 24.8 90.3 25.3 91.1 24.8 92.3					· · ·							<u> </u>			
11475 0.022 11571 0.522 11571 0.522 11611 0.522 11714 0.522	25.3 89,8 25.0 90,4 24.4 90,2 24.9 89,8 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 90,2 24.4 91,2 24.4 91,2 24.4 91,2					• •							<u> </u>		-	
11 400 - 822 11 201 - 822 11 201 - 822 11 201 - 822 11 201 - 822 12	25.3 89.6 25.4 90.2 24.4 90.2 24.4 90.0 24.4 90.0 24.4 90.1 24.4 90.1 24.4 90.1 24.4 90.1 24.4 90.1 22.4 90.1 20.3 91.1 51.8 92.2 51.3.4 91. 51.0.5 91. 51.0.5 91. 51.0.5 90.1														-	
11 403 422 11 301 422 11 301 422 11 301 422 11 302 11 302 12 30 12 302 12 30 12 302 12 302 12 302 12 302 12 302 12 302 12 302	23.3 89.8 25.0 90.4 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 24.4 90.2 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.3 91. 20.4 91. 20.4 90. 20.4 90. 20.5 91. 20.6 92. 20.8 93.				•••	· ·							<u> </u>		I	
11.473 8.52 11.371 9.52 11.371 9.52 11.371 9.52 11.371 9.52 11.371 9.52 11.371 9.52 11.371 9.52 12.171 9.52 12.172 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52 12.174 9.52	23.3 89.4 23.5 90.4 90.24 90.7 89.4 90.7 24.4 90.7 90.224 90.7 90.224 90.7 90.224 90.7 91.1 91. 111.1 91. 90.1 90.1 90.2 91. 91.1 92. 92.2 93.1 93.1 91. 93.1 91. 93.1 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>															
11.417 8.521 11.917 8.521 11.917 8.521 11.918 8.521	23.3 89.4 23.5 90.4 90.24 90.7 89.4 90.7 24.4 90.7 90.224 90.7 90.224 90.7 90.224 90.7 91.1 91. 111.1 91. 90.1 90.1 90.2 91. 91.1 92. 92.2 93.1 93.1 91. 93.1 91. 93.1 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 91. 93.2 <td< td=""><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>I</td><td></td></td<>					•									I	
11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.52 11.417 8.51 11.417 </td <td>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</td> <td></td> <td></td> <td></td> <td></td> <td>• •</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td>· · ·</td> <td></td>	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					• •							<u> </u>		· · ·	
11.403 8.52 11.403 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.52 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 8.51 11.101 </td <td>353 89.4 353 89.4 90.4 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 91.114 91. 91.114 92. 88.8 88.4</td> <td></td> <td>I</td> <td></td> <td></td> <td></td>	353 89.4 353 89.4 90.4 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 90.214 90.4 91.114 91. 91.114 92. 88.8 88.4												I			
11.400 8.52 11.300 8.52	23.5 89.4 23.5 90.4 90.244 90.4 90.244 90.4 90.244 90.4 90.244 90.4 90.244 90.4 90.244 90.4 90.2244 90.4 90.2244 90.4 91.1 91. 91.1 92. 93.3 91. 91.1 92. 93.3 91. 93.3 91. 93.3 93. 93.3 93. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3 88. 93.3					• •							I			
11.419 8.52 11.111 8.52 11.111 8.52 11.111 8.52 11.111 8.52 12.111 8.52 12.111 8.52 12.111 8.52 12.111 8.52 12.111 8.52 12.111 8.51 12.111 </td <td>35.5 89.4 90,0 25.5 90,0 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,0 90,0 90,0 21.4 90,0 91,0 91,0 21.1 91,0 91,0 91,0 31.1 88,8 88,8 88,8 31.1 88,8 88,8 88,8 31.1 88,10 88,10 88,10 31.1 88,10 88,10 88,10</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td>	35.5 89.4 90,0 25.5 90,0 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,1 90,0 90,0 21.4 90,0 90,0 90,0 21.4 90,0 91,0 91,0 21.1 91,0 91,0 91,0 31.1 88,8 88,8 88,8 31.1 88,8 88,8 88,8 31.1 88,10 88,10 88,10 31.1 88,10 88,10 88,10					•										
11.4.01 9.52 11.9.01 9.52 11.9.01 9.52 11.9.01 9.52 11.9.01 9.52 11.9.01 9.52 12.9.01 9.52 12.9.01 9.52 12.9.01 9.52 12.9.01 9.52 12.9.01 9.51 <td>xxxx 89.4 xxxx 90.4 90.4 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxxx 90.4 90.2xxxxx 90.4 91.1 91.1 91.1 92.2 88.8 88.8 83.511 88.8 83.511 88.8 84.8 89.8 84.8 89.8 84.8 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 86.9 89.9 86.9 89.9</td> <td></td> <td></td> <td></td> <td></td> <td>· ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	xxxx 89.4 xxxx 90.4 90.4 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxx 90.4 90.2xxxx 90.4 90.2xxxxx 90.4 91.1 91.1 91.1 92.2 88.8 88.8 83.511 88.8 83.511 88.8 84.8 89.8 84.8 89.8 84.8 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.8 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 85.9 89.9 86.9 89.9 86.9 89.9					· ·									· · · · · · · · · · · · · · · · · · ·	
11.4.0.5 4.5.2 11.3.0.1 4.5.2 11.3.0.1 4.5.2 11.3.0.1 4.5.2 11.3.0.1 4.5.2 11.3.0.1 4.5.2 11.3.0.1 4.5.2 12.3.0.1 4.5.2 13.3.1 4.5.2 <t< td=""><td>253 89.4 253 90.4 90.244 90.2 254 89.4 90.254 90.3 254 90.3 254 90.3 254 90.3 254 90.3 353 91. 110 92. 3134 91. 3154 91. 3154 91. 3157 88. 3157 88. 3157 89. 3217 68.</td><td></td><td></td><td></td><td></td><td>· · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td></t<>	253 89.4 253 90.4 90.244 90.2 254 89.4 90.254 90.3 254 90.3 254 90.3 254 90.3 254 90.3 353 91. 110 92. 3134 91. 3154 91. 3154 91. 3157 88. 3157 88. 3157 89. 3217 68.					· · ·							L		· · · · · · · · · · · · · · · · · · ·	
11.4.0.5 8.4.2.2 11.1.0 8.2.2	35.3 89.4 90.4 35.3 90.4 90.4 90.244 90.4 90.4 35.4 90.4 90.4 35.4 90.4 90.4 35.4 90.4 90.4 35.3 91.1 92.2 35.3 91.1 92.2 35.3 91.1 92.2 35.3 88.8 85.3 35.11.4 85.3 88.8 35.11.4 86.3 88.8 35.11.5 89.9 88.9 35.11.4 88.3 88.9 35.11.5 89.9 89.9 35.11.5 89.9 89.9 35.11.6 89.9 89.9 35.11.7 88.9 89.9 35.11.7 88.9 89.9 35.11.7 88.9 89.9 35.11.7 88.9 89.9 35.11.7 88.9 89.9					· · ·							L		· · · · · · · · · · · · · · · · · · ·	
11.4.0.5 4.5.2. 11.1.0.1 4.5.2. 11.1.0.1 4.5.2. 11.1.0.1 4.5.2. 11.1.0.1 4.5.2. 12.1.0.1	253 89.4 253 90.4 90.244 90.2 254 89.4 90.254 90.3 254 90.3 254 90.3 254 90.3 254 90.3 353 91. 110 92. 3134 91. 3154 91. 3154 91. 3157 88. 3157 88. 3157 89. 3217 68.				· · ·	· · · · · · · · · · · · · · · · · · ·									· · · · · · · · · · · · · · · · · · ·	

1



Casing Summary

	Name HILLS 11-25-33 001H		Red Hills 11	-25-33		Field Name RED HILLS			siness Unit id-Continent		
our	d Elevation (ft) Original RK 3,415.00	()	Current RKB Ele 3,439.50, 5/8					Mu	d Line Elevation	(ft) Water Dej 0.00	oth (ft) O.
ur	ace, Planned?-N, 1,250	ftKB									
	epth (MD) (frKB)	Set Tensio	on (kips)	String N	ominal OD (in)	String Min Drift (in)	13	ntralizers Bow Spring	g	Scratchers	
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)
	Wellhead	13 3/8	12.715	48.00		ST&C	24	28	3.95		(2017
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		74(
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		
	Float Shoe	13 3/8	12.715		<u> </u>	ST&C	1,248	1,250	1.80		
te	rmediate Casing 1, Plar	ned?-N. 5.(40ftKB		•	ł	•		L		
	epth (MD) (ftKB)	040 Set Tensi		String N	ominal OD (in)	String Min Drift (in) 9 5/8		ntralizers Bow Spring	g	Scratchers	
ts	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 Collap: (psi)
	Pup Joint + Hanger	9 5/8	8.844		HCK-55	LT&C	25	30	5.00	(Dalot (Pol)	(psi)
2	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		
ro	duction Casing, Planne	d?-N. 13.78	8ftKB								
	epth (MD) (ftKB)	Set Tensi 788		String N	ominal OD (in)	String Min Drift (in)	Τe	ntralizers	Spring	Scratchers	
lts	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 Collaps (psi)
	Casing Hanger	5 1/2	4.778	20.00	L-80	· · · · · · · · · · · · · · · · · · ·	24	24	0.29		8,830
1	Casing Pup Joint	5 1/2	4.778	20.00	L-80		24	28	3.30		8,830
24	Casing Joint	5 1/2	4.778	20.00	L-80		28	13,602	13,573.89		8,830
9	Casing Pup Joint	5 1/2	4.778	20.00	L-80		13,602	13,610	8.31		8,830
		5 1/2	4.778	20.00	L-80		13,610	13,615	5.51		8,83
9	Toe Sleeve (RSCI)		1	20.00	L-80		13,615	13,656	40.81		8,830
9 1		5 1/2	4.778	20.00				10.005	8.45		8,830
9 1 1		5 1/2 5 1/2	4.778 4.778	20.00			13,656	13,665	0.45		0,000
9 1 1 1	Casing Joint		4.778		L-80		13,656 13,665	13,665			
9 1 1 1 1	Casing Joint Casing Pup Joint	5 1/2	4.778 4.778	20.00	L-80 L-80	· · · · · · · · · · · · · · · · · · ·			1.00		8,830
9 1 1 1 1 1	Casing Joint Casing Pup Joint Landing Collar	5 1/2 5 1/2	4.778 4.778 4.778	20.00	L-80 L-80 L-80	· · · · · · · · · · · · · · · · · · ·	13,665	13,666	1.00 40.77		8,830 8,830
9 1 1 1 1 1 1 1	Casing Joint Casing Pup Joint Landing Collar Casing Joint	5 1/2 5 1/2 5 1/2	4.778 4.778 4.778 4.778 4.778	20.00 20.00 20.00	L-80 L-80 L-80 L-80		13,665 13,666	13,666 13,706	1.00 40.77 1.33		8,830 8,830 8,830 8,830 8,830



Cement Summary

Production Casing Cement

Well Name RED HILLS 1	1-25-33 001H		Lease Red Hills 11-2	25-33		Field Name RED HIL	IS		Business Mid-Co		
Ground Elevation ((ft) Original F		Current RKB Eleva	ation						Elevation (ft) Wate	er Depth (ft)
3,4	15.00	3,439.50	3,439.50, 5/8/	2014						0.00	0.00
Original Hole	•										
Wellbore Name			Directional Type			Kick Off Dep	th (ftKB)			ction Direction (°)	
Original Hole	Hole S		Horizontal		Act	op (ftKB)			8,600	Act Btm (ftKB)	179.56
	HUR 3		17 1/2		Actin			24.5		Act Bill (IIND)	1,260.0
			12 1/4			•	1,:	260.0			5,050.0
			8 3/4				5,0	550.0		·	13,806.0
<typ>, <make< td=""><td>e> on <dttms< td=""><td>tart></td><td>I</td><td></td><td></td><td></td><td></td><td>I</td><td></td><td></td><td></td></dttms<></td></make<></typ>	e> on <dttms< td=""><td>tart></td><td>I</td><td></td><td></td><td></td><td></td><td>I</td><td></td><td></td><td></td></dttms<>	tart>	I					I			
Туре						Install Date					
De		Mai	(a	Ma	del		WP (psi)		Service		SN
		_		140					Gervice		511
Surface, Plar	nned?-N, 1,25	50ftKB	I							L	
Casing Description		Wellbore		Run Date		Set Depth (M			Up (ftKB)	Set Tension ((ips)
Surface Centralizers		Original Hole		5/19/	2014	Scratchers		1,250		-24.0	
13 Bow Sprin	g										
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 Wellhea	-		13 3/8	12.715	48.00		(")	ST&C	3.95	24	(IIKB)
1 Pup Joir			13 3/8	12.715	48.00			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 Co	ollar		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 Sh	noe		13 3/8	12.715				ST&C	1.80	1,248	1,250
Intermediate	Casing 1, Pl	anned?-N, 5,0	40ftKB								•
Casing Description		Wellbore Original Hole		Run Date 5/24/	2014	Set Depth (I		5.040 Stick	Up (ftKB)	Set Tension (H	dips)
Centralizers	ousing 1	onginarrioio			2011	Scratchers		0,010		21.0	
35 Bow Sprin	g		1				17.0.0			T 5 445	
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 Joir	nt + Hanger		9 5/8	8.844		HCK-55		LT&C	5.00	25	30
127 Casing			9 5/8	8.844	40.00	HCK-55		LT&C	4,933.59	30	4,963
1 Float Co			9 5/8	8.844			1	LT&C	1.23	4,963	4,964
2 Casing			9 5/8	8.844	40.00	HCK-55		LT&C	73.95	4,964	5,038
1 Float Sh			9 5/8	8.844				LT&C	1.63	5,038	5,040
Production C		wellbore	BftKB	Run Date		Set Depth (Etiak	Up (ftKB)	Set Tension ((100)
Casing Description		Original Hole			2014	Set Depth (i		3,788	Op (IIKB)	-24.1	.ips)
Centralizers	Ornian					Scratchers		•		•	
Tesco & Bow	Spring			1		r ¹	Top Conn Sz	[· · ·	Top Depth (MD)	Btm Depth (MD)
Jts	Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	(in)	Top Thread	Len (ft)	(ftKB) 24	(ftKB)
1 Casing	•		5 1/2 5 1/2		20.00				0.29	24	24
	Pup Joint	_	5 1/2	4.778 4.778	20.00 20.00				13,573.89	28	13.602
349 Casing	Pup Joint		5 1/2	4.778	20.00				8.31	13,602	13,610
-	eve (RSCI)		5 1/2	4.778	20.00				5.51	13,610	13,615
1 Casing			5 1/2	4.778	20.00				40.81	13,615	13,656
1 Casing			5 1/2		20.00				8.45	13,656	13,665
1 Landing	-		5 1/2	I	20.00	1			1.00	13,665	13,666
1 Casing			5 1/2		20.00				40.77	13,666	13,706
1 Float Co		_	5 1/2		20.00		<u> </u>		1.33	13,706	13,708
2 Casing			5 1/2	1	20.00		+		78.68	13,708	13,786
1 Float St		<u></u>	5 1/2		20.00	L-80	1		1.53	13,786	13,788
I										L	

:



Cement Summary

Production Casing Cement

Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11	-25-33		Field Name RED HILLS		Busines Mid-C	s Unit	
Ground Elevation (ft) Original RKB (vation					e Elevation (ft) Water Depth 0.00	(ft) 0.00
							0.00	0.00
Production Casing Cement, C Cementing Start Date		Cementing Er				Wellbore	·	
6/8/2014 Evaluation Method	Cement Evaluatio	on Results	6/8/2	2014		Original Hole		
Returns to Surface			until 210 bbls into	displacement.				
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.	D	13,806.0	N			N	N	
Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min) 5	3.5	Avg Pump Rate (bbl/n	6	Final Pump P	ressure (psi) 1,320.		1,803.0
Pipe Reciprocated? N	Reciprocation Stroke Length	n (ft)	Reciprocation Rate (s	pm) ,	Pipe Rotated?	,	Pipe RPM (rpm)	
Depth Tagged (MD) (ftKB)	Tag Method		Depth Plug Drilled Ou	t To (ftKB)	Drill Out Diam		Drill Out Date	
Lead		· .						
Fluid Type Lead	Fluid Description		Quantity (sacks)	660	Class		Volume Pumped (bbl)	299.0
Estimated Top (ftKB) 4,550.	Estimated Bottom Depth (ftk	(B) 8,536.0	Percent Excess Pump	ed (%)	Yield (ft³/sack		Fluid Mix Ratio (gal/sack)	
4,550. Free Water (%)	Density (lb/gal)		Zero Gel Time (min)	75.0	Thickening Ti		1st Compressive Strength (psi)
Cement Fluid Additives		11.30				6.1	0	
Add			Ту	pe			Conc	
Lead	· · ·							
Fluid Type	Fluid Description	· · · ·	Quantity (sacks)		Class	· · · · ·	Volume Pumped (bbl)	······
Lead Estimated Top (ftKB)	Estimated Bottom Depth (ftk	(B)	Percent Excess Pump	345 ed (%)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)	99.0
8,536. Free Water (%)		9,786.0	Zero Gel Time (min)	75.0		1.6		8.10
	Density (ib/gai)	13.20	Zero Ger Time (min)		Thickening hi	5.2		,
Cement Fluid Additives			Ťγ	De			Conc	
		1					-	
Tail Fluid Type	Fluid Description		Quantity (sacks)		Class		Volume Pumped (bbl)	
Tail				535				249.0
Estimated Top (ftKB) 9,786.		13,806.0	Percent Excess Pump	35.0		2.6		11.14
Free Water (%)	Density (lb/gal)	15.00	Zero Gel Time (min)		Thickening Ti	me (hr) 6.3	1st Compressive Strength (psi) 0)
Cement Fluid Additives		1			•	1	0	
Add			Ту	pe .			Conc	
			·					
·								



Casing, Liner and Cement report

Production Casing

														roductio	
			5-33 001H	Lease Red Hills 11-25-33 Current RKB Elevation	}			eld Name ED HILL	S			Mid-	ess Unit -Continent .ine Elevation (ft)	Water Depi	th /ft)
Ground		3,415.	5 ()	3,439.50, 5/8/2014	<u>ا</u>									00	0.00
		Lan	d - Original Hole, 9/18/2014 1:3	3:01 PM		t Mud Check	,								
		TVD				Date .	`		Mu	d/Brine Type	9		Depth (MD) (ftKE) Fluid De	ensity (lb/gal)
MD (ftKB)	Inci (°)	(ftKB)	Vertical schem	atic (actual)		7/2014		Wate	r Based					0.0	8.40
24.6	0.3	24.8	Description Surf	Item number;1;		8/2014			r Based					2.0	8.40
29.5	0.3	295		ace; OD:13 3/8 in; ID:12.715 in;	5/1	9/2014			r Based				1,26		8.70
874 3	0.1	674 3	Cement; Depth (MD):24-1,250 ftKB;	Top (MD):24 ftKB		0/2014 0/2014		Brine					1,26		10.00
1,250.0	0.3	1,250 0	Date:5/19/2014	Length:1,226.00	11	2/2014		Brine					3,88		
4 964 6	2.1	4 963 1	Description:Inter	Item number:2;		3/2014		Brine					5,05		10.20
8 931 4	3.4	8,928 4	Cement; Depth (MD):25-5,040	mediate Casing 1; OD:9 5/8 in;	5/24	4/2014		Brine					5,05		10.20
89475	4.3	8,944 5	ftKB; Date:5/24/2014	ID:8.844 in; Top (MD):25 ftKB;	5/20	6/2014		Brine				+	5,05	0.0	9.00
98179	87.1	9,512 4		Length: 5.015.40	5/26	6/2014		Brine					7,52	7.0	8.90
99180	90.4	8,515.0				7/2014		Brine					8,92		8.85
	91.3	9,513.6				8/2014		Brine					8,93		8.90
100180	91.3 91.3	9,513.6				9/2014		Brine					9,55		9.05
10 118 1	91.3	9,509.4		樹		0/2014		Brine					9,82		9.00
10 217 8	90.8	9,509.4				1/2014 /2014	··	Brine					10,66		9.05
10 317 9						/2014		Brine					12,31		9.05
104180	90.4	9,508 2				/2014		Brine						0.0	9.50
10 518 0	90,6	9.507.4				/2014		Brine						0.0	9.70
10 6 18 1	89.3	9,507 6			6/5/	/2014		Brine					13,80	6.0	9.80
10 717 8	88.7	9,509 3			6/6/	/2014		Brine					13,80	6.0	9.90
10 617 9	88.3	9,511.9			Cas	sing							·		
10 918 0	88,5	9,514 7			Csg	Des duction	Run Da		OD (in)	E 1	Top Depth			D) (ftK Dens f	-luid (lb/gal)
11,018.0	88.5	9,517 4			Cas		0///2	2014 03:	00	5 1/	2	2		3,788	
11,118.1	89.1	9,519.5								in in	1.04 (15 (0))			Top Depth	Btm Depth
112169	89.1	9,521 0			Jts 1	Casing Hang	i Des 1er		OD (in) 5 1/2	ID (in) 4.778	Wt (lb/ft) 20.00	Grade 80	Len (ft) 0.29	(MD) (ftKB) 24	(MD) (ftKB) 24
1 1,3 16 9	87.9	9,523 5			1	Casing Pup	Joint		5 1/2	4.778	20.00	80	3.30	24	- 28
11,417.0	89.8	0,525 _, 3				Casing Joint			5 1/2	4.778	20.00	-80	13,573.89	28	13,602
11,517,1	90.4	9,525 0			9										ĺ
116191	90.2	9,524 4				Casing Pup	loint		5 1/2	4.778	20.00		8.31	13,602	13,610
11,7169	89.8	8,524 5				Toe Sleeve ()	5 1/2	4.778	20.00		5.51	13,610	13,615
11,819.9	90.0	9,524 6				Casing Joint	. ,		5 1/2	4.778	20.00		40.81	13,615	13,656
11,917 0	90.8	9,524 0			1	Casing Pup	Joint		5 1/2	4.778	20.00	-80	8.45	13,656	13,665
12.017.1	90.9	9 522.4			1	Landing Coll	аг		5 1/2	4.778	20.00		1.00	13,665	13,666
12,117,1	91.7	9,520 3	<u>幼</u> 22			Casing Joint			5 1/2	4.778	20.00		40.77	13,666	13,706
12 216 9	92.3	9,5168				Float Collar			5 1/2	4.778	20.00		1.33	13,706	13,708
12,316 9	91.8	9,513 4				Casing Joint			5 1/2	4.778	20.00		78.68	13,708	13,786
12 417 0	91.9	9.510 0				Float Shoe			5 1/2	4.778	20.00	L-0U	1.55	13,786	13,760
12,517,1	90.2	9 508 1				ment: Product			Cement nting End Da	te	Wellbore			· ·	
12.617.1	88.7	9,509 2	Description:Prod uction Casing Cement; Depth	Item number:3; Description:Prod uction Casing; OD:5 1/2 in; ID:4.778 in; Top (MD):24 ftKB; Length:13,783.8		6/8/2014			6/8/20	14	Original	Hole			
12.716 9	88.8	9,511 4	[] · · · · · · · · · · · · · · · · · · ·	<u>8</u>	11	uation Method turns to Surfa	ce		nt Evaluation 1 returns to		until 210 H	bls int	o displaceme		
128169	88.5	9 513 7			1	ment Stage:		· · · ·							
12,917 0	88.9	9,516.0			Тор	Depth (ftKB)	こゆ	ottom Depti	h (ftKB)	Full Return	1? Vol Ceme.	Top P		Bottom Plu	
13 017,1	89.3	9,517,6			Q Pi	4,55		Pump Fina	13,806.0		Rate (bbl/min) Final	N Pump Pressure (p	si) Plug Bump	N Pressure (psi)
13,117,1	88.9	9,519 3		N			6		3.5			6	1,320	0.0	1,803.
132169	89.3	9 5 20 8			Pipe	Reciprocated?	Str	roke (ft)		Reciproca	tion Rate (spm) Pipe F	Rotated? N	Pipe RPM (rpm)
13,315.9	89.9	9,521 5			Dep	th Tagged (ftKB)	Та	ig Method		Depth Plu	g Drilled Out	. Drill C	Out Diameter (in)	Drill Out Da	ite
13,441 9	90.5	9,521.1		item number:3;											
13 5 17, 1	88.9	9 521.7	Description:Prod	Description:Prod uction Casing;											
13 609 9	88.2	9,524 1	uction Casing Cement; Depth	OD:5 1/2 in; ID:4.778 in; Top											
13 665 7	88.5	9,525 8	(MD):4,550- 13,806 ftKB;												
13 788 3	88.8	9,528 8	Date:6/8/2014	7ft											
							Page	1/2					Ron	ort Printed:	0/18/204



Casing, Liner and Cement report

Production Casing

RED		11-2	5-33 001H	Lease Red Hills 11-25-33		Field Name RED HILLS			Business L Mid-Cor			
Ground	Elevatio	on (ft) 3,415	Original RKB (ft) .00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014					Mud Line E	Elevation (ft) 0.00	Water Depth	0.00
		Lan	d - Original Hole, 9/18/2014 1:33	:01 PM	Cement Fluid: Pro	duction Casir	ng Cement				• •	
MD		TVD (ftKB			Fluid Type Lead	Fluid Description	ig ocilioni		Quantity (66		Volume Pum	• • •
(ftKB)	Inci (°))	Vertical schema		Estimated Top (ftKB)	Est Btm (ftKB)	Yield (ft ³ /sa			atio (gal/sack)	Free Water (299.0 %)
24 6	0.3	24 5	Description:Surf	Item number:1; Description:Surf	4,550.0 Density (lb/gal)	Zero Gel T	3,536.0	2.54 Thickening T	ime (hr)	15.07 1st Co	ompressive St	trength (psi)
295	0.3	295	Cement; Depth (MD):24-1,250	in; ID:12.715 in; Top (MD):24		11.30				6.10	·	
674 3	0.1	574 3	ftKB; 😥 Date:5/19/2014	1. ftKB; Length:1,226.00	Cement Fluid Add	tives	<u> </u>	Туре	·		Conc	
12500	0.3 2.1	1.250 0 4.963 1	Description:Inter	ft Item number:2; Description:Inter							_	
8 931 4	3.4	8,925 4	Cement; Depth (MD):25-5,040 ftKB;	mediate Casing	Cement Fluid: Pro	duction Casir Fluid Description	ng Cement	·	Quantity (.	Class	Volume Pum	ped (bbl)
8,947.5	4.3	8,944 5	Date:5/24/2014	ID:8.844 in; Top (MD):25 ftKB;	Lead Estimated Top (ftKB)				34	5		99.0
9 817 9	87.1	9,512 4		Length:5,015.40	8,536.0	Est Btm (ftKB)	Yield (ft ³ /sa 9,786.0	^{ск)} 1.61	FILLIO MIX R	atio (gal/sack) 8.10	Free Water (%)
9,918.0	90.4	9.515.0	1		Density (lb/gal)	Zero Gel T 13.20	ime (min)	Thickening T	ime (hr)	5.25	ompressive St	trength (psi)
10 018 0	91.3	95136			Cement Fluid Add					0.20		
10,118.1	91.3	8,511.4		77 10	Add			Туре			Conc	
10,217 8	90.8	9,509.4			Cement Fluid: Pro	duction Casir	ng Cement					
10 3 17 9	90.1	9,508 6			Fluid Type Tail	Fluid Description		·	Quantity (. 53		Volume Purr	nped (bbl) 249.0
10 418 0 10 518 P	90.4 90.6	9,508 2 9,507 4			Estimated Top (ftKB)	Est Btm (ftKB)	Yield (ft³/sa		Fluid Mix R	atio (gal/sack)	Free Water (
10 518 0	89.3	9,507 e		8	(9,786.0 Density (lb/gal)	Zero Gel T	3,806.0	2.60 Thickening T		11.14 1st Co	ompressive S	trength (psi)
10 717.8	88.7	9,509 3		9 4		15.00	· · · · ·		· · /	6.30		
10 817 9	88.3	9,511.9			Cement Fluid Add	tives		Туре	<u>.</u>		Conc	
10,918 0	88.5	9,5147										
11.018 D	88.5	8,517.4										
11,118 1	89.1	9,519.5										
11 216 9	89.1	9,521 0										
11,3169	87.9	9.523 5		8								
11 417 0	89.8 90.4	9,525 3 9,525 0		6 6 6								
11,617,1	90.2	9,523 0										
11,7169	89.8	9,524 5		ġ S								
11.819.9	90.0	9,524.6		8								
11,917.0	90.8	9,524 0		6								
12,017,1	90.9	9,522 4	<u>응</u> . ·									
12,117,1	91.7	9,520 3										
12.216 9	92.3	9,5168										
12.316.9	91.8	9,513.4										
12 417 0	91.9 90.2	9,510 D 9,508 1										
12,617,1	88.7	8,509 2	ġ.									
12,715 9	88.8	9,511 4	· · · · · · · · · · · · · · · · · · ·									
12,816.9	88.5	9,513 7		() ()								
12,917 0	88.9	9,516 0										
13 017,1	89.3	9,517 6		n N								
13,117,1	88.9	9,519 3		治 初								
13,216.9	89.3	9 520 8		6								
13,315.9	89.9	9,521,5										
13.419	90.5	9,521,1 9,521,7		Item number:3; Description:Prod								
13,517,1	88.9 88.2	9,521,7	Description:Prod	Uction Casing; OD:5 1/2 in; ID:4.778 in; Top								
13,665 7	88.5	9.525 8	Description:Prod uction Casing Cement: Depth (MD):4,550- 13,806 ftkB; Dense 69/2014	(MD):24 ftKB;								
13,789 1	88.8	8,528 B	13,806 ftKB; Date:6/8/2014	Length:13,763.8 7 ft								
			<u>.</u>		Pa	age 2/2				Report	Printed:	9/18/2014



ell Name ED HILLS 11-25-33 001H	Lease Red Hills 11-25-33		eld Name ED HILLS	· · · · · · · · · · · · · · · · · · ·			Busines Mid-C	ss Unit Continen	t	<u> </u>
Land - Original Hol	e, 9/18/2014 1:31:06 PM	Job Details								
/D KB) Vertica	Il schematic (actual)		. Job Categ	lorý			Start D	Date		ise Date
	Tuberg - 6-24, 31 65 2 7/9 2 641; 1-1	Completion				7/9/20			7/13/2014	
	Comparing Control Action 22: 52: 527: 4778. 25. 101111 Action Control					7/13/2			7/16/2014	
295	Pup Jees, 28-32:4 60, 13 3/8 12;715 1-2	Completion				7/16/2	2014		7/24/2014	
		Completion				7/24/2	2014		7/25/2014	
	Cound Area, 674 (1.255, 330 35 13 36 12 715 1-5 Cound Area, 674 (1.255, 330 35 13 36 12 715 1-6 Cound Area, 1 205-1 268 42 15 (13 36 12 715 1-6 Cound Area, 1 205-1 268 42 15 (13 36 12 715 1-6 Area, 1 205-1 268 42 15 (15 36 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 15 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 10 10 12 1-6 Area, 1 205-1 268 42 15 (15 12 10 12 1-6) Area, 1 205-1 268 42 15 (15 12 10 12 1-6) Area, 1 205-1 268 42 15 (15 12 10 12 1-6) Area, 1 205-1 268 42 15 (15 12 10 10 10 10 10 10 10 10 10 10 10 10 10	Completion				7/25/2	2014		7/28/2014	
	Cannot ser User (1 20 100 100 100 100 100 100	Completion				7/28/2	2014		7/31/2014	
364.6		Completion				7/31/2	2014		8/2/2014	
9114	Casing Joint, 75-13,002, 13,513 89 5 1/2, 4 778, 3-3	Completion				8/2/20)14		8/4/2014	
947.5	Packer, 6:833-0:841; 8:50, 4:172, 2:440, 1-5 Today Php Josel, 8:841-8:847, 5:80, 2:78, 2:441; 1-6 2:10:347-10006 - 5:947-6:80, 5:00, 2:78, 2:205, 1-7	Completion				8/4/20			8/4/2014	
		Completion				8/4/20			8/8/2014	
817.9	Cased Hate 3 605-3 605 7/23/2014	Completion				8/8/20			8/12/2014	
9180	Cased Hole, 2 215-5 318 7/20/2014			,		0/0/20			0/12/2014	
	Caud Hole, 10.015-10 016, 7/23/2014	Casing Strin	gs		_ r	· •	· •			<u> </u>
	Cased Hole, 10 085-10 088 7/33/2014	Csg De	es .	OD (in)	Wt/Le	en (lb/ft)	Gr	ade	Top Thread	Set Dep (MD) (ftK
	Cased Hole 10 165-10 168 7/23/2014	Surface		13 3/8		48.00			ST&C	1,2
	Cated Hole, 10 215-10 218. 7/23/2014	Intermediate	Casing	9 5/8	-		HCK-5		LT&C	5,0
1317.9	Carel Hile 10 315-10 318 7/23/2014	1	g	2 3/0	1			-		
4180		Production C	asing	5 1/2	2	20.00	L-80			13,7
15180	Cased Hole, 10,485-10 486, 7/20/2014	Tubing Strin					L.,			1
	Cased Hele, 10 565-10 568 7/22/2014	Tubing - Pro		at 8 952 0	ftKB on	8/12/2	014 09	15	· · · · · · · · · · · · · · · · · · ·	
518 1 37731 8477	Cased Have 10 615-10.618 7/22/2014	Tubing Description				Run Date		String Ler	ngth (ft) Set D	epth (MD) (fi
717.6	Cased Holy 10,215-10,210 7/22/2014 .	Tubing - Proc	luction			8/12/	2014	-	8,959.99	8,95
	Cased Hole, 10 815-10 818 7/22/2014		Item Des		Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftK
9180	Cased Hole: 10 955-10 958 7/22/2014	Tubing			1	2 7/8	6.50	L-80	31.85	2
	Caved Hole, 10 855-10 988 7/22/2014	Tubing Pup J	oint		3	2 7/8			24.00	4
	Cased Hole 11.015-11.016, 7/22/2014	Tubing			280	2 7/8	6.50	L-80	8,883.63	8,93
	Cased Hole 31,115-11,118 77202014	T2 On-Off To	lol		1	2 7/8			1.25	8,93
216.9	Cosed Hale 11,162-11,162,1722,014	Packer			1	4 1/2			8.50	8,94
3169	Cased Hole 11.265-11.267, 7/21/2014	Tubing Pup J	oint		1	2 7/8	6.50	L-80	5.60	8,94
	Cased Hole 11 385-11 387, 7/21/2014	2.313 XN - N				2 7/8		<u> </u>	0.80	8,94
14170 · · · · · · · · · · · · · · · · · · ·	Caned Hole 11 415-11 417, 7/21/2014	Tubing Pup J	• •		1	2 7/8	6.50	L-80	3.90	8,95
.517.1	Canad Hole, 11,515-11,517, 7/21/2014	Wireline Guid			<u>i</u> l-	3	0.00		0.46	8,95
1,619 1	Cased Hole, 11 505-11 507/ 7/21/2014				'	11/16		· ·	0.40	0,35
7169	Careed Hote 11 055-11.007. 7/21/2014	Perforations		I.				L	<u> </u>	
		- choradono	T · · · ·	r	Shot	T.				<u>.</u>
.8199	Cased Hole, 11 856-11 822 7/2/2014	Data	Ten (BKD)	Dim (fil(D)	Dens (shots/ft)	Entere			Zono & Caimalati	
1917.0	Cased Hole, 11 015-11 017, 7/21/2014	Date 7/23/2014	Top (ftKB) 9,815.0	Btm (ftKB) 9,818.0	6.0			Avalon	Zone & Completi Shale, Original	
2017.1	Casad Hole 11 985-11,987; 7/21/2014	7/23/2014	9,865.0	9,868.0	6.0				Shale, Original	
117.1 200 200	Cated Hole, 12,065-12,087, 7/20/2014	7/23/2014	9,905.0		6.0					
	Cased Hote 12 185-12,187, 7/30/2014			9,918.0					Shale, Original	
2216 9	Cased Hole, 12 215-12 217, 92092014	7/23/2014	9,965.0	9,968.0	6.0				Shale, Original	
316 8	Cased Hele, 12 315-12,317, 7/29/2014	7/23/2014	10,015.0	10,018.0	6.0	1	9	Avalon \$	Shale, Original	HOIÊ
112.1 2.225 8.65 266 2.555 8.55 266 2.555 8.55 366 2.555 8.55 366 2.555 8.55 366 2.555 8.55 367 2.555 8.55 368 2.555 8.55 369 2.555 8.55 377 2.555 8.55 378 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55 379 2.555 8.55	Gesel 104, 12 415-12 417, 7/20/2014	7/00/0044	10.005.0	10.000.0	<u> </u>	<u> </u>	<u> </u>	Augland	Chalo Original	
517.1 S S S S S S S S S S S S S S S S S S S	Canad Hole, 12.465-12.487, 7729/2014	7/23/2014	10,065.0	10,068.0	6.0		9	Avaion 3	Shale, Original	HOIE
	Cased Hale 12,358-12,580, 7/29/2014	7/00/0011	10 115 0	10 449 5		<u> </u>	<u></u> +	Aveli	Chala Oricia -	1101-
		7/23/2014	10,115.0	10,118.0	6.0	'	12	Avaion \$	Shale, Original	HOIE
.716.9		7/23/2014	10,165.0	10,168.0	6.0	<u> </u>	10	Avalar	Shale Original	Holo
13169	Cased Hole, 12 815;12,817, 7/18/2014	//23/2014	10,105.0	10,108.0	0.0	1	12	-vaion 3	Shale, Original	1018
	Cased Hole 12 865-12 867, 7/16/2014	7/23/2014	10.045.0	10.249.0				<u>Auglan</u>	Shalo Original	
.9170		//23/2014	10,215.0	10,218.0	6.0	1	9 J	rivaion 3	Shale, Original	INCR
917.1	Casad Hole, 13.015,13.017, 7787014	7/23/2014	10 205 0	10,268.0	6.0			Avalan	Shale, Original	
	Cased Hole, 13, 115-13, 117, 7/18/2014	1123/2014	10,265.0	10,200.0	0.0	1	9	rivalul1 3	unale, Unginal	noie
215 9		7/02/0014	10.045.0	10 249 0		<u> </u>	-10	Auglan (Chalo Origin -	
362 662		7/23/2014	10,315.0	10,318.0	6.0	'	12	Avaion	Shale, Original	пое
1359	Cased Hole, 13,314-13,316 7/18/2014	7/00/0044	10.005 0	10.000.0				A	Chala Origin (Hol-
1,419	Cased Hole, 13 440-13 442, 7/18/2016	7/23/2014	10,365.0	10,368.0	6.0	'	12	Avaion	Shale, Original	HOIE
1517.1 · · · · · · · · · · · · · · · · · · ·	Cased Hole 13 465-13 467, 7/18/2014	7/00/0011	10.115.0	10.440.0	<u> </u>	.	<u> </u>	A!		
	Cases Hole, 13,585-13,587, 7/18/2014	7/22/2014	10,415.0	10,418.0	6.0	'	9	Avaion	Shale, Original	HOIE
3,609.9	Tos Saves (RSCI), 13 815, 13 815, 13 (12, 4778), 35 — Caung Jone, 13 815-13 856 40 81; 5 1(2; 4778, 3-8 — Caung Jone, 13 815-13 856 40 81; 5 1(2; 4778, 3-8	7/00/0044	40.405.0	10.400.0		<u> </u>		Aug	Chala Original	
3.665 7	Lucing Cale; 3 (365-1) 266, 1 (30, 1 (2, 4 77); 3-8 Cale; Jaces 1 (366-5) 376, 4 (2, 4 77); 5 (2, 4 77); 5 (4 ————————————————————————————————————	7/22/2014	10,465.0	10,468.0	6.0	'I	Э	Avaion	Shale, Original	noie



Wellbore Schematic

ED HI	ILLS 11-25-33 001H	Red Hills 11-25-33		Field Name RED HILLS				ess Unit Continent
	Land - Original Hole, 9/18	2014 1:31:06 PM	Perforation	IS T				· · · · · · · · · · · · · · · · · · ·
D (B)	Vertical scher	natic (actual)				Shot Dens	Entered Shot	
 		100mg -8-24, 31 85 2 7/8 2 44(; 1-1 21992/19995: 24 24 2 42 (2 1-1 21992/19995: 24 24 2 (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Top (ftKB)	Btm (ftKB)	· (shots/ft)	Total	Zone & Completion
			7/22/2014	10,515.0	10,518.0	6.0	12	Avalon Shale, Original Hole
		Nap Jane, 28-32, 4 00 13 349 12 715, 1-2 Ulang Pup Jane 24-83 24 00 2 718 2 441; 1-2 Canng Jane, 32-831; 788 58 12 328 12 715 1-3	7/22/2014	10 565 0	10,568.0	6.0	12	Avalon Shale, Original Hole
		Zasný Jonni, 831-874, 43 78, 13 5/8, 12 715, 1-4 Zasný Jonni, 874-1 206, 320 33, 13 3/8, 12 715, 1-5 Posk Colstar, 12 5/5-12 68, 13 0, 13 3/8, 12 715, 1-8		10,000.0	10,000.0	0.0	12	
••		Zuang Joser, 1 208-1 248 42 15 13 26 12 715 1-7 Ten Ster, 1 268-1 258 1 18 13 247, 12 715 1-8 Zurry Joser, 13-4 821, 481 2 18 4 2 -8 19 1-2 Zurry Joser, 13-6 821, 481 2 19 4 2 -20 4 1-2	7/22/2014	10,615.0	10,618.0	6.0	9	Avalon Shale, Original Hole
×8		(meng 48.6 201; 6 483 40, 2 /8 7 4 38 1-3 Teat Coler, 4 855-4 854 1 27, 6 50, 6 644, 2-3 Teatry Joint, 4 804-5,05 1 30 5, 6 50 8 644, 2-4 New Start, 5,045-5,04 1 40 3 650 6 644 2-5						
ar a .		Zasna Joint, 25-13 862, 13 533 16, 5 172, 4 776 3-3 12 On-On Treel 4, 811-6 933 1 25 2 7/8 2 315, 14	7/22/2014	10,665.0	10,668.0	6.0	9	Avalon Shale, Original Hole
47 5		Packer; 8 233-8 541; 6 50 4 1/2, 2 440 1-5 Galege Pau James, 8 841; 8 457; 5 60; 2 7/8, 2 411; 1-6 2 313 XVI-Alepsie, 8 347-8 548; 0 80 2 7/8, 2 205; 1-7 Galege Pap Jones, 8 548-8 652; 3 80 2 7/8 2 441; 1-8	7/00/001 :	10 715 7	10 7 1 7 7			
17.9		Niveline Guade, 8 552:8 952; 0 48 3 11/18 2 441; 1-0 Zaved Mole, 9 815-9 818, 7/23/2014	7/22/2014	10,715.0	10,718.0	6.0	12	Avalon Shale, Original Hole
180 -		Cased Hole & 865-9,661 7/25/2014 Cased Hole, 8 915-9,818, 7/25/2014	7/22/2014	10.765 0	10,768.0	6.0	12	Avalon Shale, Original Hole
140		- Canad Hule, 8 065-8 068 7/23/2014 Canad Hule 10 015-10 015 7/23/2014		10,100.0		0.0	12	
		Cased Hole 18 065-10,088 7/23/2014	7/22/2014	10,815.0	10,818.0	6.0	9	Avalon Shale, Original Hole
181		Cased Hole: 10.113-10.110.1723/2014						
17 8		Zeved Hole, 10 215-10 218 7/23/2014	7/22/2014	10,865.0	10,868.0	6.0	9	Avalon Shale, Original Hole
7,9 .		Casad Hole, 10.315-10 318 7723/2014	7/22/2014	10.015.0	10.010.0			Auglan Shala Original U.J.
1ê D		Seved How, 10 415-10,418 7722/2014	''22/2014	0,915.0	10,918.0	6.0	12	Avalon Shale, Original Hole
tā O			7/22/2014	10.965.0	10,968.0	6.0	12	Avalon Shale, Original Hole
518 1 .						5.0	•=	
717 8		Casad Hole, 10 895-10 888, 7/22/2014 Casad Hole, 10,715-10,718, 7/22/2014	7/22/2014	11,015.0	11,018.0	6.0	9	Avalon Shale, Original Hole
817.9		Zased Hule 10 785-10 788 7/22/2014 Zased Hule 10 755-10 818 7/22/2014						
918 0		Caved Hole 10 895-10 888 7/22/0814	7/22/2014	11,065.0	11,068.0	6.0	9	Avalon Shale, Original Hole
		Caved Hole, 10,005-10 808 77(2)/014 Caved Hole, 11,015-11,018, 7/2)/014	7/22/2014	11 115 0	11,118.0	6.0	10	Avalon Shale, Original Hole
0180		Cased Hole, 11,085-11,068 7/22/3014	''**''''''	1,113.0	0.01,110.0	0.0	12	
.118 1 .		Zaved Hole, 11,115-11,118 7/22/014	7/22/2014	11,165.0	11,168.0	6.0	12	Avalon Shale, Original Hole
2169 .		Cared Hole 15 215-11, 217, 7/21/2014						
316 9		Çened Hole, 11,315,11,317, 7721/2014 Zened Hole, 11,345,11,347, 7721/2014	7/21/2014	11,215.0	11,217.0	6.0	9	Avalon Shale, Original Hole
4170.		Tenned Hole, 13 415-11 417, 27:17:014						
.517,1 .		Caved Hole, 11 515-11,517, 7/21/2014	7/21/2014	11,265.0	11,267.0	6.0	9	Avalon Shale, Original Hole
.019 1 .		20100 1904. 11:005-11:007. 2/21/2014 20100 1904. 11:017:11:018.7/21/2014	7/21/2014	11 315 0	11,317.0	6.0	10	Avalon Shale, Original Hole
,716.9		Cased Hole, 11,605-11 867, 7/21/2014		1,313.0	11,017.0	0.0	12	
.819.9 .		Cased Hole 11,765-11,767, 7/21/2014	7/21/2014	11,365.0	11,367.0	6.0	12	Avalon Shale, Original Hole
		Cased Hole: 11 865-11 807, 7/21/2014						
1,9170		Caved Hole, 11,685-11,687, 7/21/2014	7/21/2014	11,415.0	11,417.0	6.0	9	Avalon Shale, Original Hole
.017,1 .		Janed Hele, 12 015-12 017, 2/20/2014 Janed Hele, 12 005-12,007, 7/20/2014	7/04/004 /	44.405.5	11.107.0			Avalan Ohel Ohel
2,117,1		Caused Hole, 12,115-12,117, 7720/2014 Caused Hole - 12,105-12,107, 7/20/2014	7/21/2014	11,465.0	11,467.0	6.0	9	Avalon Shale, Original Hole
2169.		Cased Hole, 12 215-12 217, 7/20/2014	7/21/2014	11.515.0	11,517.0	6.0	12	Avalon Shale, Original Hole
3169		Canad Hole, 12 315-12 317, 7/20/2014			,	5.0	.2	
4170 .		anna mar, 12,000/22,000,27,000/00 Canad Hole, 12 4(15-12 4(17, 7720/28)4 Nacad Hole, 13 405 415 477, 7720/28)4	7/21/2014	11,565.0	11,567.0	6.0	12	Avalon Shale, Original Hole
517.1 -		Cesed Hale 12.405-12.457, 720/2014 Cesed Hale 12.5(5-12.517, 720/2014						_
617,1 .		Cased Hole 12,558-12,550 77042014	7/21/2014	11,617.0	11,619.0	6.0	9	Avalon Shale, Original Hole
2,716 9		Casad Hole 12,005-12 007, 7/10/2014 Casad Hole , 12,715-12,717, 7/10/2014	7/21/2014	11 665 0	11,667.0	6.0		Avalon Shale, Original Hole
.816.9	232	Cased Hale 12,765-12,767,77182014 Cased Hale 12,815-12,817,77182014		0.600,11	0.1007.0	0.0	9	Avaion Shale, Onginal Hole
		Canad Hole, 12,865-12,867, 7/18/2014	7/21/2014	11,715.0	11,717.0	6.0	12	Avalon Shale, Original Hole
917 0		Cased Hole, 12,815-12,917, 7/19/2014						
917,1		Cased Hale 13 015-13 017, 2719/2014	7/21/2014	11,765.0	11,767.0	6.0	12	Avalon Shale, Original Hole
17.1		Casad Hole, 13,(15-13,137, 7/19/2014 Casad Hole, 13,(155,13,167, 7/19/2014						
216 9		Cased Hole, 13,215-13,217, 7/18/2014	7/21/2014	11,818.0	11,820.0	6.0	9	Avalon Shale, Original Hole
159	2007. (982) 1999 - 295 2008 - 295	Cased Hole 13.314-13.318 7/18/2014	7/21/2014	11 065 0	11 967 0	<u> </u>		Avalon Shalo, Original Hole
641.9		Caxed Hole, 13 345-13,367, 718/2014 Caxed Hole, 13 440-13 442, 7/18/2014	''21/2014	0.000.0	11,867.0	6.0	9	Avalon Shale, Original Hole
\$17.1		Cased Hole 13 485-13 487, 7/18/2014 Cased Hole, 13,615-13 837, 7/19/2014	7/21/2014	11.915.0	11,917.0	6.0	12	Avalon Shale, Original Hole
509 9		Canna Hale 13,585-13 587, 718/2014 Canna Pup June, 13 602-13 610 e 31; 5 1/2 4 778 (3-4			,			
		Tae Sawer (RSCR), 13 815.13 815.13 815.13 17.4 778.3-5 Caseg Jant, 13.615-13 656 40 81;5 172;4 778.3-6 Caseg Day Jave 13 856-13 665 645 5172:4 778 3-7	7/21/2014	11,965.0	11,967.0	6.0	12	Avalon Shale, Original Hole
657 4		Linderg Carler, 13.845-13.086, 100, 512, 4778-3-4 Sonry Jeen, 13.046-1705, 40, 77, 52, 12, 42, 47, 8, 3-9 Fleet Calue, 13.766-13.768, 43, 75, 122, 42, 78, 3-9 Fleet Calue, 13.766-13.788, 13, 54, 127, 4778, 5-11 Fleet Sone, 13,276, 13, 16, 15, 15, 12, 4778, 5-12						
		Paul Shoe 13 785 13 788 1 53 5 1/2 4 778 3-12						



£

Well Na RED	HILLS 11-25-33 001H	Lease Red Hills 11-25-33		Field Name RED HILLS				ess Unit Continent
	Land - Original Hole, 9/18	2014 1:31:07 PM	Perforation	ns				
MD ftKB)	Vertical sche	matic (actual)				Shot Dens	Entered Shot	
		Taking -8-24 31 85 2 7/8 2 441; 1-1 52/2007/2007-21/31 628; 2471; 1/28; 24	Date	Top (ftKB)	Btm (ftKB)	(shots/ft)	Total	Zone & Completion
24 6		-Wellward 24-28, 3 85, 13 347, 12 715, 1-1 - Canang Pup Jane, 74-28, 3 39, 5 102, 4 778, 3-2 - Pup Jane, + Hanger, 75-30, 5 00, 6 541, 8 844, 2-1	7/20/2014	12,015.0	12,017.0	6.0	9	Avalon Shale, Original Hole
295.		-Pup Jane, 28-32; 4 00; 13 24: 12 718; 1-2 Faborg Pup Jane, 24-48: 24 00; 2 748: 2 441; 1-2 -Castry Jane, 32-431; 768 58: 13 316: 12 715: 1-3	7/20/2014	12,065.0	12,067.0	6.0	9	Avalon Shale, Original Hole
8743.		■ Carry Jorf, 831-874, 43 78 13 101 12 715, 1-4 ■ Carry Jorf, 874-1 205 333 35 13 349, 12 715 1-5 ■ Foat Cates, 1 205+1 206 1 36 13 341 12 715, 1-6		12,000.0	,	0.0	5	
1,250 0 .		-Comp.dom.1204124, 4213-1324, 12715, 13 -Plant Sheer, 1244-1251, 401334, 12715, 13 -Comp.dom.2014, 1251, 42134, 12715, 134 -Comp.464512168103, 274 - 2428, 133	7/20/2014	12,115.0	12,117.0	6.0	12	Avalon Shale, Original Hole
4,964 6		- 100-00 4-0 5.1; 2 123 0 2 // 07 2 4.8; 1-1 - Plost Coller; 4 363-4 364 1 23, 9 541, 8 844 2-3 - Calang Jone; 4 364-5 309, 7 36 3 551, 8 544 2-4 - Plane: Since 5 308-5 040 1 63 9 3/6 1 844 2/3						-
8.9314 .		= Castrg Jont, 28-13,402, 13,673 89, 5 1/2, 4 776 3-3 = 72 Ox-Ont Tool, 8,921-9,433, 1 25, 2 7/8, 2 313 1-4	7/20/2014	12,165.0	12,167.0	6.0	12	Avalon Shale, Original Hole
8,9475 .		=Packer, 8 933-8 941; 6 50, 4 1/2, 2 449, 1.5 "Takeng The James 9 941-9, 947, 5 90, 2 7/9, 2 441; 1-6 = 2 313 201- Népéle, 8,947-8,948, 0 90, 2 7/8, 2 205, 1-7 "Takeng Tay, James (8 848, 952, 3 90, 2 7/8, 2 441; 1-8	7/20/2014	10.045.0	40 047 0			
9817.9 .		-Window Guide 8 952-8 952, 8 46 3 11/18 2 441; 1-8	7/20/2014	12,215.0	12,217.0	6.0	9	Avalon Shale, Original Hole
9,918.0		=Cased Hale, 8 885-5,868 7/23/2014 =Cased Hale, 8,815-9 818, 7/23/2014	7/20/2014	12,265.0	12,267.0	6.0	9	Avalon Shale, Original Hole
10 018 0		=Canad Hole 9,965-9 965 7/23/2014 =Canad Hole 10 015-19 018 7/23/2014			,		· ·	
		-Canad Hair 10 065-10 080 //23/2014	7/20/2014	12,315.0	12,317.0	6.0	12	Avalon Shale, Original Hole
10,115 1		Costo nor no na na na 1975 na 1982 2020						
10.2178		-Cased Hole, 10 215-10 218, 7/33/2014	7/20/2014	12,363.0	12,365.0	6.0	12	Avalon Shale, Original Hole
103179 .		- Cased Hole 10 315-10 318 7/23/2014 - Cased Hole 10 315-10 308 7/23/2014	7/20/2014	12 415 0	12,417.0	60		Avalon Shalo, Original Lista
10,418.0		-Cased Hole, 10 415-10 418 7/22/2014	1120/2014	12,415.0	12,417.0	6.0	9	Avalon Shale, Original Hole
10 518 0 .			7/20/2014	12,465.0	12,467.0	6.0	9	Avalon Shale, Original Hole
10.618 1 .				,	,	0.0	Ũ	
10,717.8		=Cased Hole 10 665-10,666 3/22/2014 =Cased Hole, 10 715-10 716 7/22/2014	7/20/2014	12,515.0	12,517.0	6.0	12	Avalon Shale, Original Hole
10,817,9		-Cased Hole, 10 765-10 766 1/22/2014 -Cased Hole, 10 615-13 616 1/22/2014	7/00/00					
10,918.0		- Cased Hole, 10 865-10 888 7/22/2014 - Cased Hole, 10 815-10,818,7/22/2014	7/20/2014	12,558.0	12,560.0	6.0	12	Avalon Shale, Original Hole
		-Cased Here 10 985-10 887 1/22/2014 -Cased Here 11 915-11 015 (X22/2014	7/19/2014	12 615 0	12,617.0			Avalon Shale, Original Hole
11,0180 .		-Cased Hole, 11 005-11 000 7/22/2014	1113/2014	12,010.0	12,017.0	0.0	Э	
11,118 1		-Cased Hole, 11,115-11,118,7722/2014 -Cased Hole, 11,165-11,168,7722/2014	7/19/2014	12,665.0	12,667.0	6.0	9	Avalon Shale, Original Hole
11,2169		=Casad Hole 11,215-11,217,7721/2014					-	
11,3169		-Cased Hole, 11,315-11,317,7/21/2014	7/19/2014	12,715.0	12,717.0	6.0	12	Avalon Shale, Original Hole
11,417 0		-Canad Hale 11 415-11 417, 3721/2014						
11,517.1		Cosed Hae, 11 405-11 407, 7721/2014 Cosed Haer, 11,515-11,517, 7721/2014	7/19/2014	12,765.0	12,767.0	6.0	12	Avalon Shale, Original Hole
11,619 1		-Caxed Hole 11 985-11,967, 7/21/2014 -Caxed Hole 11 877-11 818 7/21/2014	7/19/2014	12 915 0	12,817.0	6.0		Avalon Shale, Original Hole
11,716.9		-Caved Hale 11,885-11 (87) 772172914	1/15/2014	12,015.0	12,017.0	0.0	9	
11,819.9		Cased Hole 11,765-11,267, 3/21/2014	7/19/2014	12,865.0	12,867.0	6.0	9	Avalon Shale, Original Hole
		-Cover Trans. Trans. Trans		ŕ	,			
11,917 0		-Caved Hole, 11,915-11,917, 7/21/2914 -Caved Hole, 11,995-11,997, 7/21/2914	7/19/2014	12,915.0	12,917.0	6.0	12	Avalon Shale, Original Hole
12.017.1		-Cased Hole, 12 015-12 017, 1/292014 -Cased Hole, 12 005-12 017, 1/292014						
12,117,1		- Careel Hole, 12,115-12,117, 1/20/2014, - Careel Hole, 12,115-12,117, 1/20/2014	7/19/2014	12,965.0	12,967.0	6.0	12	Avalon Shale, Original Hole
12.216 9		"Cased Hole, 12.215-12.217, 7/20/2014	7/19/2014	13 015 0	13,017.0	6.0	۵	Avalon Shale, Original Hole
12.316 9		-Canad Hele, 12 315-12,317, 1/20/2014 -Canad Hele, 12 315-12,317, 1/20/2014	1,10,2014	10,010.01	10,017.0	0.01	9	
12,417 0		-Cased Hole 12 415-12 417, 720/2014	7/19/2014	13,065.0	13,067.0	6.0	9	Avalon Shale, Original Hole
12,517.1		-Caved Hele 12,465-12,467, 7/20/2014 -Caved Hele 12,515-12,617, 7/20/2014					_	
12,617.1		-Cased Hole, 12,558-12,560 7/20/2014 +Cased Hole, 12,615-12,617, 7/19/2014	7/19/2014	13,115.0	13,117.0	6.0	12	Avalon Shale, Original Hole
12,716.9		-Cosed Hole 12,645-12,807, 7/16/2014 -Cosed Hole 12,715-12,717, 7/16/2014	7/10/004 /	10 10 5 5	40 407 0			Avalar Obala Oli i Uli
		-Cased Hole, 12 715-12,717, 7/16/2014 - Cased Hole, 12,785-12,787, 7/16/2014 - Cased Hole, 12,7815-12,917, 7/16/2014	7/19/2014	13,165.0	13,167.0	6.0	12	Avalon Shale, Original Hole
12,816 9		-Cased Hale 12 85-12 867, 7/18/2014	7/18/2014	13 215 0	13,217.0	6.0	a	Avalon Shale, Original Hole
12,917 0		=Cased Hole, 12 815-12 817, 7/18/2814 =Cased Hole, 12 805-12 987, 7/18/2814		10,210.0		0.0	5	
13,017,1		=CenedHole 13.015-13.017, 7119/2014 =Cened Hole 13.005-13.007, 7119/2014	7/18/2014	13,265.0	13,267.0	6.0	9	Avalon Shale, Original Hole
13,117,1		=Cased Hole, 13 115-13,117, 2/18/2014 -Cased Hole, 13 115-13 187, 2/18/2014						
13,216 9		-Cased Hole, 13 215-13,217, 7/14/2014	7/18/2014	13,314.0	13,316.0	6.0	12	Avalon Shale, Original Hole
13,315 9		=Cased Hole, 13 314-13 318, 7718/2014	740000		10.000			
13,441 9		=Cesed Hole, 13,305-13,367, 7/18/2014 =Cesed Hole, 13,465-13,442, 7/18/2014	7/18/2014	13,365.0	13,367.0	6.0	12	Avalon Shale, Original Hole
		=Cessed Hole 13 485-13 487, 7/18/2814 -Cessed Hole, 13 515-13,517, 7/18/2814	7/18/2014	13 / /0 0	13,442.0	6.0		Avalon Shale, Original Hole
13,517,1		-Cased Hole, 13,565-13,567, 3118/2014	1/10/2014	13,440.0	13,442.0	0.0	9	Avaion Shale, Onginal Hole
13,609 9 .		=Caugg Pag Jort, 13 502-13 510 8 31:5 172, 4778 3-4 =Tac Serve (RSC); 13 616, 13 615 551; 512, 4778 3-5 =Caugg Jour, 13 615:13 654, 38 61; 512, 4778; 3-4 =Caugg Jour, 13 655:13 654, 36 84:5 172, 4778 3-7	7/18/2014	13.465.0	13,467.0	6.0	9	Avalon Shale, Original Hole
13,665 7		-Landing Coller, 13 865-13 866 1 00, 5 1/2, 4 778, 3-8 -Caseg Jont, 13 666-13 706 40 77, 5 1/2, 4 778, 3-8			,			
13,788 1		= Road Coder, 13 708-13 708 1 33, 5 1/2 4 778, 3-10 = Covery Jone, 13 708-13 708 1 ft 84, 5 1/2, 4 778 3-11 = Road Sove 13 786-13 788, 1 53, 5 1/2, 4 778 3-12			L	I	_	.
			Ba	ge 3/5				Report Printed: 9/18/20



D HILLS 11-25-33 001H	Red Hills 11-25-33	RE	DHILLS		-	Mid	-Contine	ent
Land - Original Hole, 9/	18/2014 1:31:07 PM	Perforations					·	
) 3) Vertical sch	iematic (actual)				Shot Dens	Entered Shot		
	Tubeg -4-24 31 65 2 7/8, 2 441; 1-1	Date		Btm (ftKB)	(shóts/ft)	Total		Zone & Completion
	777752186718997 2421.222.5475.4776.231.89979999999999999999999999999999999999	7/18/2014	13,515.0 1	3,517.0	6.0	12	Avalon	Shale, Original Hole
		7/10/001	40.555	0.000			<u> </u>	
	Caseg Joer, 32-831; 798 SP 13 39; 12 715, 1-3 Caseg Joer, 83-874, 43 79; 13 39; 12 715, 1-4 Caseg Joer, 874-529 33 33; 13 39; 12 715, 1-5	7/18/2014	13,565.0 1	3,567.0	6.0	12	Avalon	Shale, Original Hole
	California (Sec. 254, 251, 423), 52, 258, 284, 27, 244, 244	Other Strings	0.00					
	— Flost Color, 4 963-4 364 1 22, 9 511 8 544 2-3 — Chang Jand, 4 884-5 028 72 55, 8 518 8 644 2-4 — Flost Shee, 5 638-3 640 1 83 9 518 8 844 2-5	Run Date	Pull Date	Set	Depth (ftKB) [] []		Com
		Other In Hole				_		
5	— Packer, 8 033-8 041; 6 50; 4 1/2; 2 440; 1:5 — Tomp Pub John, 8 041; 6 50; 2 50; 2 70; 2 441; 1:6 — 2 313 XH - Naple 8 (847-8 148: 0 50; 2 70; 2 705; 1:7 — Today Pub John, 8 448 9 62; 3 80; 2 70; 2 744; 1:4	Des	Top (ftKE	3) Btrn (ft		in Date F	Pull Date	Com
2		Bridge Plug	9,990		2.0 7/23		5/2014	HAL 8K Obsidian Cage
		(Permanent)						Ball Plug
		Fasdrill						
	Cased Hole 18 015-10,016 7/23/2014	Bridge Plug	. 10, 19	D. 10,1	92. 7/23	/2014 7/2	5/2014	HAL 8K Obsidian Cage
	Eased Higer, 10 115-10 118, 7/23/2014	(Permanent)		0	0			Ball Plug
		Fasdrill		_				
		Bridge Plug	10,39	1 '		/2014 7/2	5/2014	HAL 8K Obsidian Cage
		(Permanent) Fasdrill		0	0			Ball Plug
			40.50		00 7/00	10044 710	F 100 4 4	
		Bridge Plug (Permanent)	10,590). 10,5 01	92. 7/22	/2014 7/2	5/2014	HAL 8K Obsidian Cage Ball Plug
	Cased Hole, 10 \$15-10 \$18 7/22/2014	Fasdrill		ĭ	Ĭ			
		Bridge Plug	10,79). 10,7	92 7/22	/2014 7/2	5/2014	HAL 8K Obsidian Cage
	Cased Hole 10,765-10,765 17/22/2314	(Permanent)		0	0		0/2014	Ball Plug
		Fasdrill						
	Cased Hole, 10,815-10 818 7/23/2014	Bridge Plug	10,990	0. 10,9	92. 7/22	/2014 7/2	5/2014	HAL 8K Obsidian Cage
		(Permanent)		0	0			Ball Plug
	— Eased Hale, 11 065-11 068 7/22/2014 — Eased Hale, 11,115-11,116, 7/22/2014	Fasdrill						
	Cased Hole, 11,165-11,160, 7/23/2014	Bridge Plug	11,19	D. 11,1	92. 7/22	/2014 7/20	6/2014	HAL 8K Obsidian Cage
	Casad Hile, 11,215-11,217,77217271	(Permanent)		0	0			Ball Plug
	Cased Hole, 11,215-11,217, 7/21/2014	Fasdrill		_				
•	Cayad Hide, 11 415-11 417, 7/21/2014	Bridge Plug	11,390	· · ·		/2014 7/2	6/2014	HAL 8K Obsidian Cage
		(Permanent) Fasdrill		0	0			Ball Plug
			11 50	- 44.5	00 7/04	/2014 7/2	7/0044	
		Bridge Plug (Permanent)	11,59). 11,5 0	92. 1721	/2014 //2	7/2014	HAL 8K Obsidian Cage Ball Plug
	— Canad Hole, 11,715-11,717,7721/2014	Fasdrill		Ŭ.	Ŭ.			Dairriag
	Cased Mole, 11,818-11,820. 7/21/2014	Bridge Plug	11,79). 11,7	92 7/21	/2014 7/2	7/2014	HAL 8K Obsidian Cage
· · · · · · · · · · · · · · · · · · ·	Cased Hole, 11,815-11 817, 2/21/2014	(Permanent)		0	0			Ball Plug
		Fasdrill						_
		Bridge Plug	11,99			/2014 7/2	8/2014	HAL 8K Obsidian Cage
		(Permanent)		0	0			Ball Plug
		Fasdrill						
353 3550 3558 3550 3558 3559	Cased Hole, 12.315-12.317, 7/20/2014	Bridge Plug	12,19			/2014 7/2	8/2014	HAL 8K Obsidian Cage
		(Permanent) Fasdrill		0	0			Ball Plug
	Canad Hole 12,465-12 467, 7/20/2014		12.20	1 12 2	02 7/20	2014 7/2	0/2014 4	HAL OK Obsidion Ora-
	Cased Hole 12,558-12 580, 7/20/2014	Bridge Plug (Permanent)	12,39) 12,3 0	92. 7/20 0	//2014 //2	8/2014	HAL 8K Obsidian Cage Ball Plug
1	Cauad Hole, 12 615-12 667, 7/19/2014	Fasdrill		ĭ	۲I			Built lug
		Bridge Plug	12,59). 12,5	92. 7/20	/2014 7/3	1/2014	HAL 8K Obsidian Cage
		(Permanent)		0	0			Ball Plug
10 1445 1445 1445 1445 1445 1445 1445 14	Cased Hole, 12 915-12 917, 7/16/2014	Fasdrill						
	Cased Hole, 12 965-12:907; 7/19/2014	Bridge Plug	12,79	D. 12,7	92. 7/19	/2014 7/3	1/2014	HAL 8K Obsidian Cage
1 1000 1000 1000 1000 1000 1000 1000 1	Cased Hole, 13,065-13,067, 7/19/2014	(Permanent)		0	0			Ball Plug
		Fasdrill						
······································	Cased Hole, 13,215-13,217, 7/16/2014	Bridge Plug	12,99			/2014 8/1	/2014	HAL 8K Obsidian Cage
	Canad Hole 13 314-13,316, 7/18/2014	(Permanent)		0	0			Ball Plug
		Fasdrill						
	Cased Hale 13 465-13 467, 7/16/2014	Bridge Plug	13,19			/2014 8/1	/2014	HAL 8K Obsidian Cage
		. (Permanent) Fasdrill		0	0			Ball Plug
	Carring Puo Jone, 12,602-12 010, 8 31: 5 102, 4 778 3-4 Tox Shave (RSC), 13 612-13.015 5 51: 5 112, 4 778 3-5 							
		11						
» 🕅	Lundry Cale, 13 464-13 166, 100, 517, 4 77, 54 Caven Jeer, 13 468-13,706, 40 77, 517, 4 77, 54							



,

Well Na RED	ame HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Nar RED H				Business Unit Mid-Contine	nt	
المراجع الم		/18/2014-1:31:07.PM	Other In Hole		· · · .	27 <u>.</u>		·····	
MD (ftKB)		hematic (actual)	Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com	
24 6		Tubog -8-24 31 85, 2 7/8, 2 441; 1-1	Bridge Plug (Permanent)	13,390. 0	13,392. 0	7/18/2014	8/2/2014	HAL 8K Obsidiar Ball Plug	n Caged
24.6 .		TTTTE Encertitions, 18:24, 8:28, 8:276, 178, 24, 1999 Provident Statistical Distribution (Statistical Distribution (Statisticae Distributicae Distribution (Statisticae Distri	Fasdrill					, 	
. 8743 .		Pip June, 28-22, 400, 12.08 12.745, 1-2 Toking Pip Jent, 22-41, 24-00, 27.08 24.11, 1-2 Comp June, 13-411, 12.11, 11.11, 12.115, 1-3 1 Comp June, 13-414, 47.12, 13.21, 12.15, 1-4 1 Comp June, 13-414, 47.417, 13.21, 12.15, 1-4 1							
1,250 0 ,		Caveg Juest 874-1205, 330 35 13 Jul; 12 715, 1-5 Proter Daller, 1,235-1,240, 138 13,38 12,715, 1-8 Caveg Juest, 1261-1248 42 13 129 12 715, 1-7 Texes Juest, 1261-1248 42 13 129 12 715, 1-7 Texes Date 1,249-120 148 13,34 12 715 1-8							
4 964 6		Charac Jane, 204, 501, 513, 512, 512, 514, 721 Teory 44-6,831, 540, 552, 727, 2438, 143 — Plen Tober, 495-4987, 259, 759, 844, 221 — Chara Jane, 495-539, 729, 916, 814, 24							
8,9314									
8 947.5 .		TC Cou OT Toule 85343433 1 23: 278 2 315 14 Potore, 18234 641; 15 0 4 172 2 401 3 5 Talong Pap Joan, EAA 447, 5 49 2 7/8 2 445; 1,8 213 204, Naple, 6 347, 944 3 02, 278 2 245; 1,8 Talong Pap Joan, EAA 447, 5 49 2 78, 2 445; 1,8 Talong Pap Joan, E 448, 452 3 500, 2 78, 2 445; 1,18 Talong Pap Joan, E 448, 452 3 500, 2 78, 2 445; 1,18							
. 98179 ,		Tuleng Pup Jont, 8,948,852,399,278,2441;1-8 Wenne Gude, 8,9524,892,048,311/178,2441;1-8 Cusashide, 8,815-0,818,7/23/2014							
99180		Cased Mile. 8 868-8 868 7723/2014 Cased Mile. 8 815-8 918, 7723/2014							
10,018.0		Caved Hole, 9, 865-9, 868, 723/2014							
10,118.1		Cased Hole, 10 005-10 006, 7723/2014							
. 10.2 :7.8		Cased Hule 10,165-10 185, 7/23/2014							
. 10,3179 .		Cased Hole, 10,285-10 285, 7/23/2014							
10,418 0 、		Cased Hole, 10,345-10 368 7/23/2014							
10,5180 -		Cased Hole, 10 485-10.488, 7/22/2014 ———Cased Hole, 10.515-10 818 7/22/2014							
10,618 1		Cased Hole 10 595-10.508 7/22/2014							
10,7178		Cased Hole, 10 665-10 668, 7/22/2014 							
10,817.9		Cused Hole, 18 785-10 765, 2722/014							
10,918.0		Cased Hole, 10 685-10 686 7/22/2014							
11,018.0 .		Cased Hole 10 885-10 866 1722/2014							
11,118.1 -		Cased Hole, 11,065-11,088, 7/22/2014 Cased Hole, 11,15-11,118, 7/22/2014							
. 11,216.9		Caved Hole, 11,165-11,161, 7722/2014							
· 11,316.9 /		Cased Hole 11,285-11 287, 7/21/2014							
11,4170		Cased Hole, 11,345-11 307, 7/21/2014							
- 11,517,1 .		Caned Hole, 11 495-11,497, 7/21/2014 Caned Hole, 11,615,11,617, 7/21/2014							
. 11,619.1 .		Cased Hole, 11,865-11,867,7721/2014							
11,7169 .		Caver Hole 11 885-11,887, 7721/2016							
11,8199 .		Cased Hole 11,765-11,767,7721/2014							
/ 11,917.0 -		Caudel Hole: 11 005-11 007, 7/21/2014							
. 12,017.1 ,		Cased Hole, 11.365-11.967, 7/20/2014 ————————————————————————————————————	1						
12,117,1		Cased Hole, 12.005-12.007, 7/20/2014							
12,2169		Cased Hole: 12,165-12,167, 720/2014							
12,316.9		Caxed Hole, 12,265-12 287, 7/26/2014							
12,417 0		Cased Hole 12 963-12 965, 7/20/2014							
12.517 1 .		Cased Hole 12 405-12 407, 720(2014							
12,617,1 .		Cased Hole, 12,558-12,568 77552014							
12,716.9									
. 12,816.9		Cased Hole, 12 705-12.707, 7/10/2014							
12,917 0 ,		Cased Hole, 12 815-12,817, 7/19/2014							
. 13,017 1 .		Cased Hole 12,045-12,067,77192014							
13,117,1		Cased Hole, 13 055-13.097; 21932014							
13.216.9		Cased Hole 13,165-13,187, 7/18/2014							
- 13,318.9 -		Cased Hole 13 206-13,287,7/18/2014 Cased Hole 13 314-13 316 7/18/2014							
. 13,441.9		Cased Hole, 13,365-13,387; 7/18/2014							
13,517.1		Санад Hole 13 465-13,467, 7/16/2014							
13,609 9 .		Cased Hole, 13,657, 1762014 ————————————————————————————————————							
· 13,6657 /		Tar Sarev (RCC), 13 (15:15) (15: 51), 512, 479 3-5 Carage June, 13,975 33(54:49)); 512, 479 3-5 Carage June, 13,975 33(54:49)); 512, 479, 3-6 Carage June, 13,965 33(54:49); 512, 479, 3-9 Carage June, 13,985 33(54:49); 512, 479, 3-9 Carage June, 13,985 33(54:49); 512, 479, 3-9							
13,768 1		Cartery July, 13 6043 (10 Mi 7, 5 Mi 7							
	ەنتىتىمىمىنىد		Page 5/5					Report Printed:	9/18/2014

Chevron

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

			Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation	RED FILLS	Mid-Continent 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	
	it 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		0	
No Activity. Carry Costs only		Com	
Report Start Date: 7/11/2014			
HSM & PJSA w/ Hobbs, Trend, Petro, C	Vil Statos, Stano, Dingung Sa	Com	
environmental limits. traffic, backing proc	edures, communication.		e Alwaysoperate within design and
Hobbs set 4 rig anchors and pull test. Go	od Test		
Stone set and place 10 f/w tanks. Trend	MI set-up 2 company man tr	ailers and auxillary equipment. Tex-Mex	set 6 port-o-pottys.
Report Start Date: 7/12/2014			
HSM & PJSA w/ GE. WW. Petro. Rig Ri	unner, Stone, OTG, Discuss	Com Scope of Job NU frac stack and FB_SW	/A, TIF, ERP, Tenet #1 We Alwaysoperate within
design and environmental limits. traffic, b			
Attempt to pull night cap.and Boom truck	mast leaking hydraulic oil. S	D WO back up unit.	
Take delivery of Sunbelt_forklift_OTG se	t containment for FB and ac	id tanks. Stone deliver 1 numpdown, tan	k and straighten down hole tanks. Fesco deliver FB
equipment and open top tanks.			
ND capping flange. Pull 5" BPV. Install h off and Pull hanger and 2 way check.	anger w/ 2 way check. Instal	Il capping flange andopen 5 1/2" csg val	ves. Test LMV to 250/8500 psi. Good Test. Bleed
Pump 15 bbls fw down 9 5/8" X 5 1/2" ar	inulus and test to 480 psi an	d chart for 15 minutes. Good Test. Incre	ase psi to 1000. Good Test. Bleed off psi to "0".
NU GE 7 1/16" 10M Manual UMV and 7 on top. Test to 250/8500 psi. Good Test.		oss w/ 4 4 1/16" manual vlaves on each	side, 7 1/16" 10M crown valve with capping flange
NOTE: Take delivery 500 bbls f/w for ope	aning RSI and injection test		
Close in all master valves, casing valves		II for night	
Halliburton MI set up 2 sand kings, 2 san	· · · · · · · · · · · · · · · · · · ·		
NOTE: HSM & PJSA w/ Halliburton.			
Report Start Date: 7/13/2014			
		Com	
are in place and functioning. traffic, backi	. Discuss Scope of Job Shift ing procedures, communicat	RSI sleeve- high pressure, SWA, TIF, E ion, pinch points, no spill policy, heat,	RP, Tenet #3 We Alwaysensure safety devices
SICP: "0", SIICP: "0", SISCP: "0" MIRU PetroPlex , 2 HPPT. Pressure up o	on intermediate to 300 psi. P	ump 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 tw "0" psi.	vo places between LMV and	I UMV, LMV and tbg head. Close LMV.	Bleed prod csg to "0" psi and intermediate csg to
NOTE: Contact Houston CE and CS.			· · · · · · · · · · · · · · · · · · ·
WW Wirelinge re-torque between LMV a Torque values very inconsistant.			
WO GE "Vetco Grey" to brring out lubrica	ator, 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 equipr			
	/ and set 5" BPV. Bleed off to		ne. PU Vetco Grey 5" BPV and MU on crown valve. LD setting tool. PU flow bushing w/ 2 way check.
WW Wireline torque to spec entire stack	. Found inconsistent torque v	values on all breaks.	
Begin Pressure test.			
Report Start Date: 7/14/2014			

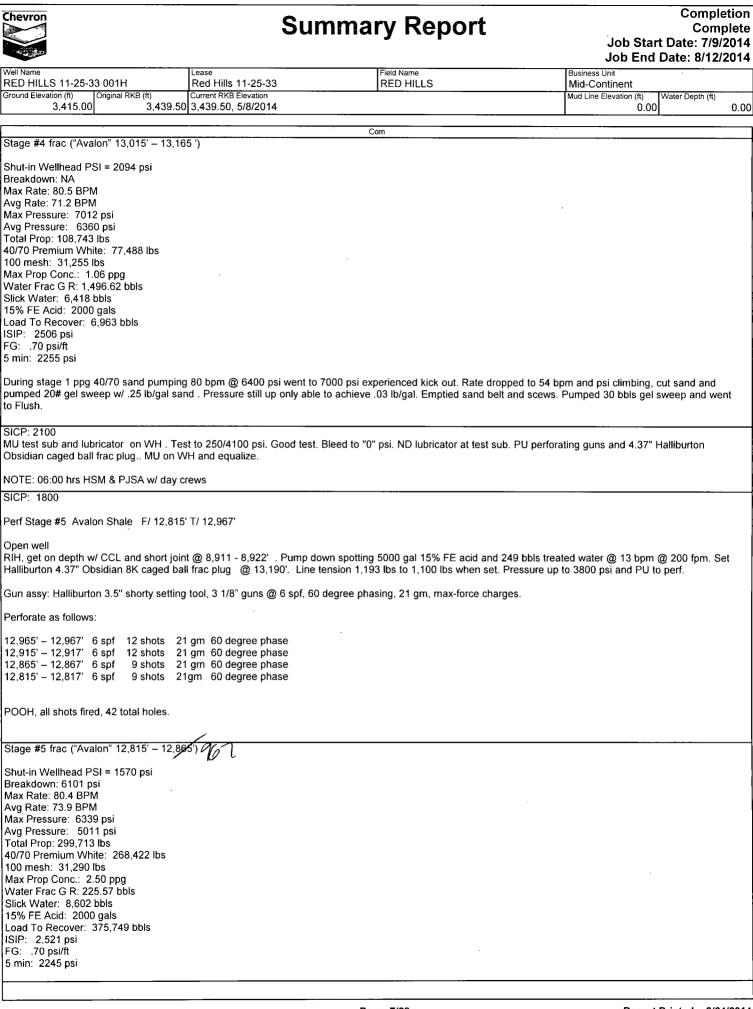
Chevron		Immary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
	·	Com	
Attempt to pressure test Frac Stack. 250 psi low test - good High test unsuccessful due to both of the	e interior valve head bonnet		
RD Vetco Gray Lube Place and torque night cap on crown val Secure well. SISD	ve.		
No Activity			
psi, communication. MIRU Dutcher-Phipps crane.	plex, Baker. Discuss Scope	e of Job: torque/test frac stack, SWA, TIF, ERP,	OE, over-head loads, pinch oints, trapped
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 Shell Test entire Frac Stack	and Flow Cross		
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 B	PV		
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			

Chevron	Sun	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
			0.00
WHP 718 psi		Com	·····
9 5/8" Annular Casing - 200 psi (applied)	1		
Open well and begin pumping to build pu Pressure broke over at 1.5 bpm and 4,0 Increase rate to 12.5 bpm to initiate injec Once at 12.5 bpm 60 bbls of Fresh Wate SD, Sleeve open, Injection test successf	00 psi WHP ction test er was pumped at 6,300 psi.		
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			
No Activity		Com	
HSM & PJSA w/ GE, Fesco, WW, Oil St trapped psi, communication.	ates, and Halliburton. Discuss	Scope of Job: NU Isolation Tool, SWA, TIF,	ERP, OE, over-head loads, pinch oints,
MIRU Oil States Wellhead Isolation Tool Perform Negative Test - Successfully WHP: 1200 psi 9 5/8" Annular Casing - 0 psi	and Goathead		
Begin laying containments			
Mix and Treat 46,500 gals of 15% FE Ac	.id.		
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. Take delivery of cooling trailer. OTG stra		d.	
NOTE: Basic Change out FB tank w/ bro NOTE: NOV move road Xing.	iken valve		
Job, SWA, TIF, ERP,			Wireline spotting equipment Discuss Scope of
MI and Spot Halliburton Frac, Halliburton Fill Sand	ו E-Line, B&C Crane, PWR Pre	essure Control, Oil States Crane/Hydraulic U	Jnit, WW Wireline Test Unit, and Continue to
HSM & PJSA w/ Halliburton Frac, Hallib of Job, SWA, TIF, ERP,	urton E-Line, B&C Crane, PWF	R Pressure Control, Oil States, Fesco, WW	Wireline - Rig Up Procedures, Discuss Scope

Chevron	Sur	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
RU Halliburton Frac, OTG Restraints an Continue to Fill Sand	d Containments, WW Wireline	Com e Test Unit	
19:00 - Pressure Test Fesco Iron 250 p	si Low, 8500 psi High - Test S	uccessful	
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 Relate Continue Sand Fill	ed Vendors from previous day		
NOTE: Frac crew RU is operating at dir	ninished capacity due to both e on inspection. Crew has bee	cranes sent to location being placed out of sen using the forklift slowing the efficiency of t	service. 1st crane had safety concerns with the the RU.
regulations), location traffic, spotters, cr	ane ops, hoisting equipment, t	ad & water transfer crews. Discussed Tenet tag lines, overhead work, dropped objects, o weather, dehydration, fatigue, communicati	7 (Comply with all applicable rules & elevated work, fall protection, striking hazards, on, 4 points, emergency response, snake bites,
Crews changed out. Spotted B&C crane trucks. Restrain all lines.	to help RU iron. Cont' w/ RL	J frac pumps, N2 pop-off and run line to OT	T, Risers to Goat Head and RU pump down
HSM & PJSA w/ night crews @ 17:30 h	rs		
MIRU Halliburton ELU, PWR 10K press			
Continue to RU into Next Reporting Day			
Well Status			
Si WHP: 1200 psi 9 5/8": 0 psi			
Report Start Date: 7/18/2014			
Complete RU of Halliburton frac, prime	and test lines to 250/8500 psi	Com . Good Test. RU Halliburton ELU, Oil States	crane. RU PWR pressure control.
NPT			
HAL- E Line. NPT waiting on Quick Te	st Sub to be certified and deliv	ered to location.	
SICP: 850 MU test sub and lubricator on WH . Te on WH and equalize.	st to 250/7000 psi. Good test.	Bleed to "0" psi. ND lubricator at test sub. F	PU perforating guns and 4.37" dummy plug., MU
NOTE: 06:00 hrs HSM & PJSA w/ day of	rews		

Chevron	Sum	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit 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
SICP: 850		Com	
Perf Stage #2 Avalon Shale F/ 13,415'	T/ 13,567'	-18-14 Dec	<u>s</u>
Open well RIH, get on depth w/ CCL and short joint issues pumping down. During pump dow depth @ 13,565'.	, @ 8,911 - 8,922' . Pump dow n psi built to7000 psi @ 12 bpr	n spotting 3000 gal 15% FE acid and 30 m, dropped rate to 4 bpm until acid hit f	35 bbls treated water @ 14 bpm @ 200 fpm. Had ormation then increased rate to 14 bpm to target
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60 d	egree phasing, 21 gm, max-force charge	28.
Perforate as follows:			
13,565' - 13,567' 6 spf 12 shots 21 13,515' - 13,517' 6 spf 12 shots 21 13,465' - 13,467' 6 spf 9 shots 21 13,440' - 13,442' 6 spf 9 shots 21	gm 60 degree phase gm 60 degree phase		
POOH, all shots fired, 42 total holes.			
NOTE: Down 1 hr due to Halliburton pur	ip down truck losing sensor. Us	se pump truck from frac side to finish Pu	mp Down.
Replace pump down truck, issues with hy			
Stage #1 & #2 frac ("Avalon" 13,615' - 1	3,415 ')	010	
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: 2252 psi 15 min 2252 psi HSM & PJSA w/ night crews. Discuss SV SICP: 2159		lug/perf and frac operations.	Droppant: 68/612 llis munde: 5506 Mesh 50 580,650
		leed to "0" psi. ND lubricator at test sub	PU perforating guns and HAL 8K Obsidian
SICP: 2159			
Perf Stage #3 Avalon Shale F/ 13,215'	T/ 13,367'		
Open well RIH, get on depth w/ CCL and short joint Halliburton Obsidian 8K caged ball frac p			49 bbls treated water @ 13 bpm @ 200 fpm. Set re up to 4200 psi and PU to perf.
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60 d	egree phasing, 21 gm, max-force charge	es.
Perforate as follows:			
13,215' - 13,217' 6 spf 9 shots 21 13,265' - 13,267' 6 spf 9 shots 21 13,314' - 13,316' 6 spf 12 shots 21 13,365' - 13,367' 6 spf 12 shots 21	gm 60 degree phase gm 60 degree phase		
POOH, all shots fired, 42 total holes.			
		· · · · · · · · · · · · · · · · · · ·	

Chevron	Sui	mmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
		Com	
NPT			
HAL-Frac Dry-Gel/Chem Unit in Stage 4	Regen. NPT Waiting on CA	I 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. to wait on new unit to arrive and be rigge Stage #3 frac ("Avalon" 13,367' – 13,21!	ed in.	· · · · · · · · · · · · · · · · · · ·	o force Regen, Regen was unsuccessful, had
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 . Tes Obsidian caged ball frac plug MU on W	t to 250/4100 psi. Good test. H and equalize.	Bleed to "0" psi. ND lubricator at test sub. F	PU perforating guns and 4.37" Halliburton
NOTE: 06:00 hrs HSM & PJSA w/ day cr	ews		
SICP: 2159 Perf Stage #4 Avalon Shale F/ 13,215'	T/ 13,367 7 13,C	115-13,167	
		own spotting 2000 gal 15% FE acid and 249 tension 1,380 lbs to 1,220 lbs when set. Pre	bbls treated water @ 13 bpm @ 200 fpm. Set ssure 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:	$\overline{\}$		
13,165' - 13,167' 6 spf 12 shots 21 13,115' - 13,317' 6 spf 12 shots 21 13,065' - 13,067' 6 spf 9 shots 21 13,015' - 13,017' 6 spf 9 shots 21	gm 60 degree phase gm 60 degree phase		
POOH, all shots fired, 42 total holes.			
<u> </u>		Page 6/28	Report Printed: 9/24/2014



Page 7/28

Chevron		Sui	nmary Report	Complet Comp Job Start Date: 7/9/2 Job End Date: 8/12/2	lete 014
Well Name RED HILLS 11-25-33 001H		ed Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent	
Ground Elevation (ft) Original R: 3,415.00	(B (ft) C	urrent RKB Elevation 439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00	0.00
				0.00	
SICP: 285		<u> </u>	Com		
Perf Stage #6 Avalon Shale	F/ 12,767' T	' 12,615'			
			own spotting 2000 gal 15% FE acid and 281 b tension 1,304 lbs to 1,100 lbs when set. Press		t
Gun assy: Halliburton 3.5" s	norty setting to	ol, 3 1/8" guns @ 6 spf, 60	degree phasing, 21 gm, max-force charges.		
Perforate as follows:					
12,715' – 12,717' 6 spf 12,665' – 12,667' 6 spf 12,615' – 12,617' 6 spf	12 shots 21 9 shots 21 g 9 shots 21 g	m 60 degree phase gm 60 degree phase m 60 degree phase m 60 degree phase			
POOH, all shots fired, 42 tot	al holes.				
Began Stage #6 Frac					
Report Start Date: 7/20/20	14				
Stage #6 frac ("Avalon" 12,"	767° – 12,615°)		Com		
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, 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 bbl ISIP: 2213 psi FG: .67 psi/ft 5 min: 2072 psi					
MU test sub and lubricator Obsidian caged ball frac plu	g MU on WH	and equalize.	Bleed to "0" psi. ND lubricator at test sub. PL	J perforating guns and 4.37" Halliburton	
SD Operations Due to Weat SICP: 1800	ner (wind/Ligh	umg)	· · · ·		
Perf Stage #7 Avalon Shale	E/ 10 007 T	10 915'			
5	FI12,307 1	- 12,010			
			own spotting 5000 gal 15% FE acid and 249 b tension 1,193 lbs to 1,100 lbs when set. Pres		t
Gun assy: Halliburton 3.5" s	horty setting to	ol, 3 1/8" guns @ 6 spf, 60) degree phasing, 21 gm, max-force charges.		
Perforate as follows:					
12,965' – 12,967' 6 spf 1 12,915' – 12,917' 6 spf 1 12,865' – 12,867' 6 spf 12,815' – 12,817' 6 spf	2 shots 21 g 9 shots 21 g	m 60 degree phase			
POOH, all shots fired, 42 to	al holes.				

Chevron	Sun	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
		Com	
Stage #7 frac ("Avalon" 12,560' - 12,415	5')		
Obsidian caged ball frac plug MU on WI SICP: 1600 Perf Stage #8 Avalon Shale F/ 12,367' Open well RIH, get on depth w/ CCL and short joint Halliburton 4.37" Obsidian 8K caged ball Gun assy: Halliburton 3.5" shorty setting Perforate as follows: 12,363' – 12,365' 6 spf 12 shots 21 12,315' – 12,317' 6 spf 12 shots 21 12,265' – 12,267' 6 spf 9 shots 21 12,215' – 12,217' 6 spf 9 shots 21 POOH, all shots fired, 42 total holes.	H and equalize. T/ 12,215' @ 8,911 - 8,922' Pump dow frac plug @ 13,190'. Line te tool, 3 1/8" guns @ 6 spf, 60 d gm 60 degree phase gm 60 degree phase gm 60 degree phase gm 60 degree phase gm 60 degree phase	wn spotting 5000 gal 15% FE acid and 2 ension 1,300 lbs to 1,170 lbs when set. F	
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			

Chevron	Sur	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.5	Current RKB Elevation 50 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
		Com	
SICP: 2097		15 17 117	
Perf Stage #9 Avalon Shale F/ 12,24	5 17 12,365 12,0)15-12,167	
Open well RIH, get on depth w/ CCL and short jo Halliburton 4.37" Obsidian 8K caged b	int @ 8,911 - 8,922' . Pump do all frac plug @ 12,190'. Line t	own spotting 2000 gal 15% FE acid and 223 l ension 1,270 lbs to 1,050 lbs when set. Pres	bbls treated water @ 12 bpm @ 200 fpm. Set sure up to 3635 psi and PU to perf.
Gun assy: Halliburton 3.5" shorty settir	ng tool, 3 1/8" guns @ 6 spf, 60	degree phasing, 21 gm, max-force charges.	
Perforate as follows:			
POOH, all shots fired, 42 total holes.			
Ran out of nitrogen for Halliburton pop	-off. Waiting for more nitrogen t	o arrive on location	
Performing stage #9 fracture stimulation	on		
Report Start Date: 7/21/2014 Stage #9 Frac ("Avalon" 12,015' – 12,		Com	
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			
MU test sub and lubricator on WH . T Obsidian caged ball frac plug MU on SICP: 2000	est to 250/4100 psi. Good test. WH and equalize.	Bleed to "0" psi. ND lubricator at test sub. Pl	J perforating guns and 4.37" Halliburton
Perf Stage #10 Avalon Shale F/ 11,9	967' T/ 11,818'		
		own spotting 2000 gal 15% FE acid and 121 l tension 1,230 lbs to 1,040 lbs when set. Pres	bbls treated water @ 12.5 bpm @ 200 fpm. Set sure up to 3500 psi and PU to perf.
Gun assy: Halliburton 3.5" shorty settir	ng 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 2 11,915' - 11,919' 6 spf 12 shots 2 11,865' - 11,867' 6 spf 9 shots 2 11,818' - 11,820' 6 spf 9 shots 2	1 gm 60 degree phase 1 gm 60 degree phase		
POOH, all shots fired, 42 total holes.			
	······································		· · · · · · · · · · · · · · · · · · ·
	······································	Page 10/28	Report Printed: 9/24/2014



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

RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft) Water Dept	
3,415.00 3,43	9.50 3,439.50, 5/8/2014		0.00	<u> </u>
		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 s	sub. PU perforating guns and 4.37" Halliburtor	n
Obsidian caged ball frac plug MU o	on WH and equalize.			
SICP: 1800				
Perf Stage #11 Avalon Shale F/ 1	1 767' T/ 11 617'			
Open well				
RIH, get on depth w/ CCL and short	joint @ 8,911 - 8,922' . Pump do	own spotting 2000 gal 15% FE acid and	d 163 bbls treated water @ 14 bpm @ 215 fpr	m. Set
RİH, get on depth w/ CCL and short Halliburton 4.37'' Obsidian 8K cageo	joint @ 8,911 - 8,922' . Pump do I ball frac plug @ 11,790'. Line	own spotting 2000 gal 15% FE acid and tension 1,300 lbs to 1,100 lbs when se	d 163 bbls treated water @ 14 bpm @ 215 fpr t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps.	l ball frac plug @ 11,790'. Line	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps.	l ball frac plug @ 11,790'. Line	own spotting 2000 gal 15% FE acid and tension 1,300 lbs to 1,100 lbs when se) degree phasing, 21 gm, max-force cha	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se	l ball frac plug @ 11,790'. Line	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps.	l ball frac plug @ 11,790'. Line	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots	I ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots	i ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots	ting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
R ^I H, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots	ting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots	ti ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots	ti ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots POOH, all shots fired, 42 total holes Stage #11 Frac ("Avalon". 11,767' –	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots POOH, all shots fired, 42 total holes Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots POOH, all shots fired, 42 total holes Stage #11 Frac ("Avalon". 11,767' –	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,667' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots Stage #11 Frac ("Avalon" 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,667' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max Pressure: 6002 psi	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Max Pressure: 6002 psi Avg Pressure: 4506 psi Total Prop: 298,669 lbs	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 200H, all shots fired, 42 total holes Stage #11 Frac ("Avalon".11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max Pressure: 4506 psi Total Prop: 298,669 lbs 40/70 Premium White: 266,680 lbs 100 mesh: 31,989 lbs	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,767' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,767' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,767' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – Shut-in Wellhead PSI = 2091 psi Breakdown: 6014 psi Max Rate: 80.5 BPM Avg Rate: 75.2 BPM Max 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 200H, all shots fired, 42 total holes Stage #11 Frac ("Avalon". 11,767' – 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 IS/P: 3040 psi	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,765' - 11,667' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – 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	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3
RİH, get on depth w/ CCL and short Halliburton 4.37" Obsidian 8K caged opm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty se Perforate as follows: 11,765' - 11,767' 6 spf 12 shots 11,715' - 11,717' 6 spf 12 shots 11,665' - 11,667' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots 11,617' - 11,619' 6 spf 9 shots Stage #11 Frac ("Avalon". 11,767' – 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 IS/P: 3040 psi	d ball frac plug @ 11,790'. Line tting tool, 3 1/8" guns @ 6 spf, 60 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase 21 gm 60 degree phase	tension 1,300 lbs to 1,100 lbs when se	t. Pressure up to 3800 psi and PU pump rate	m. Set to 3

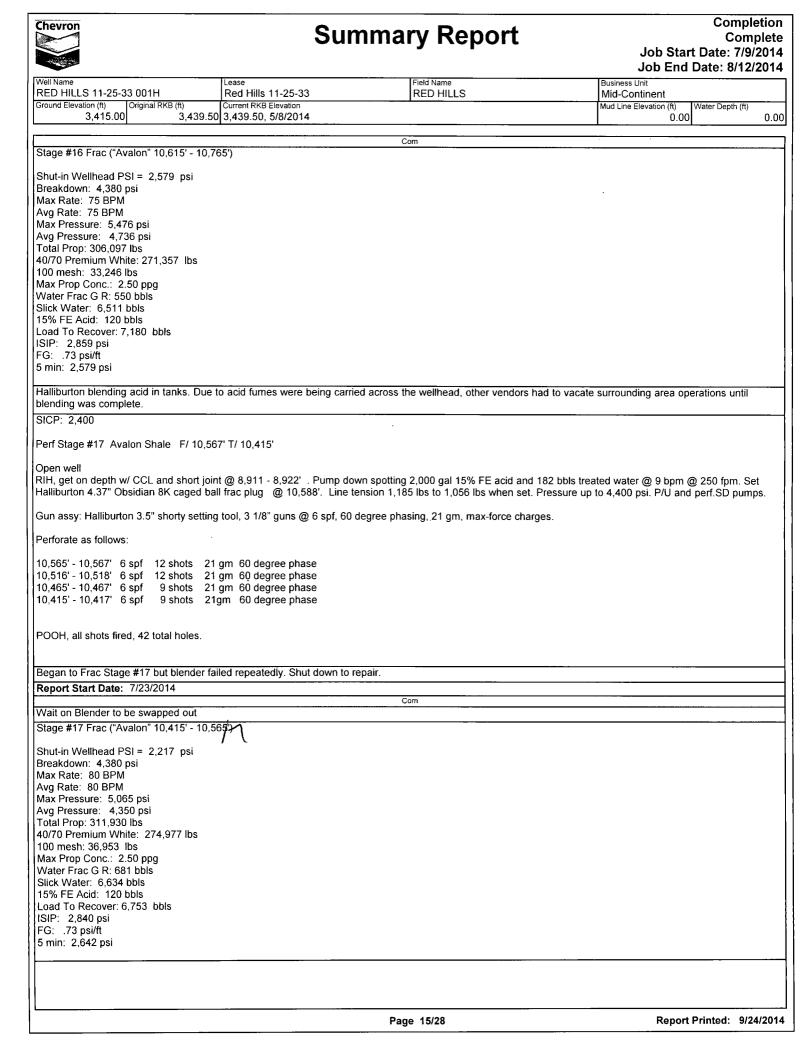
MU test sub and lubricator on WH . Test to 250/4100 psi. Good test. Bleed to "0" psi. ND lubricator at test sub. PU perforating guns and 4.37" Halliburton Obsidian caged ball frac plug.. MU on WH and equalize.

Chevron	Sun	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 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 Halliburton 4.37" Obsidian 8K caged ball bpm PU and perf.SD pumps.	@ 8,911 - 8,922' . Pump dov frac plug @ 11,590'. Line te	wn spotting 2000 gal 15% FE acid and 2 ension 1,200 lbs to 1,000 lbs when set. F	06 bbls treated water @ 12 bpm @ 200 fpm. Set Pressure up to 3700 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60 d	degree phasing, 21 gm, max-force charg	es.
Perforate as follows:			
11,565' - 11,567' 6 spf 12 shots 21 (11,515' - 11,517' 6 spf 12 shots 21 (11,465' - 11,467' 6 spf 9 shots 21 (11,415' - 11,417' 6 spf 9 shots 21 (gm 60 degree phase gm 60 degree phase		
POOH, all shots fired, 42 total holes.			
Stage #12 Frac ("Avalon" 11,567' - 11,41	5')		
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	t to 250/4100 pc; Cood toot 1	Placed to "0" pair ND Jubricator at tast out	. PU perforating guns and 4.37" Halliburton
Obsidian caged ball frac plug MU on W	H and attempt to equalize. est truck tried to pump througl	h the valve to equalize pressure although	n there was no pressure actually in the lubricator
N/D lubricator and checked guns and plu	g. All good. Wireline replaced	guns and tools	
SICP: 2100	· · · ·	· · · ·	
Perf Stage #13 Avalon Shale F/ 11,367	7' T/ 11,215'		
			00 bbls treated water @ 13 bpm @ 200 fpm. Set Pressure up to 4100 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60	degree phasing, 21 gm, max-force charg	jes.
Perforate as follows:			
11,365' - 11,367' 6 spf 12 shots 21 11,315' - 11,317' 6 spf 12 shots 21 11,265' - 11,267' 6 spf 9 shots 21 11,215' - 11,217' 6 spf 9 shots 21	gm 60 degree phase gm 60 degree phase		
POOH, all shots fired, 42 total holes.			

Ĭ

Chevron	Summary Report			letion 1plete 0/2014 2/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit 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
Stage #13 Frac ("Avalon" 11,367' - 11,21	5')	Com		
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 Benert Start Date: 7/22/2014				
Report Start Date: 7/22/2014		Com		
SICP: 2100				
Perf Stage #14 Avalon Shale F/ 11,015	5' T/ 11,16 53			
PU and perf.SD pumps.	tool, 3 1/8" guns @ 6 spf, 60 o gm 60 degree phase gm 60 degree phase gm 60 degree phase gm 60 degree phase	degree phasing, 21 gm, max-force charges	sure up to 4,400 psi and PU pump rate to 3 i	υμιι
POOH, all shots fired, 42 total holes.				
Stage #14 Frac ("Avalon" 11,015' - 11,16	5')			
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				

Chevron	Sur	mmary Report	Completion Complete
			Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.5	Current RKB Elevation 0 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00
SICP: 2,424		Com	
Perf Stage #15 Avalon Shale F/ 1	15' T/ 11,165' 10,8	15-10,968	
Open well RIH, get on depth w/ CCL and short joi	nt @ 8,911 - 8,922' . Pump do	own spotting 1,000 gal 15% FE acid and 2	200 bbls treated water @ 13 bpm @ 200 fpm. Set Pressure up to 4,400 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	g tool, 3 1/8" guns @ 6 spf, 60) degree phasing, 21 gm, max-force charg	es.
Perforate as follows:			
POOH, all shots fired, 42 total holes.			
Stage #15 Frac ("Avalon" 10,815' - 10,9)65')		
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			
	IGHT. MADE REPAIRS ON BL		NN TO 45 BPM. FLUSH CSG. FOUND SENSOR N RATE AND COMPLETED STAGE #15 AS PER
SICP: 2,424			
Perf Stage #16 Avalon Shale F/ 10,67	15' T/ 10,76 5 ⁻		
			200 bbls treated water @ 13 bpm @ 200 fpm. Set Pressure up to 4,300 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	g tool, 3 1/8" guns @ 6 spf, 60) degree phasing, 21 gm, max-force charg	es.
Perforate as follows:			
10,765' - 10,768' 6 spf 12 shots 21 10,715' - 10,718' 6 spf 12 shots 21 10,665' - 10,668' 6 spf 9 shots 21 10,615' - 10,618' 6 spf 9 shots 21	1 gm 60 degree phase		
POOH, all shots fired, 42 total holes.			



Chevron	Sum	mary Report	Completion Complete
			Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft) 3,415.00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
SICP: 2,365		Com	
Perf Stage #18 Avalon Shale F/ 10,215	5' T/ 10,365'X		
Open well RIH, get on depth w/ CCL and short joint	t @ 8,911 - 8,922' . Pump down	n spotting 3,000 gal 15% FE acid and 2 nsion 1,215 lbs to 1,050 lbs when set. F	200 bbls treated water @ 13 bpm @ 200 fpm. Set Pressure up to 4,300 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60 de	egree phasing, 21 gm, max-force charg	es.
Perforate as follows:			
POOH, all shots fired, 42 total holes.	·		
Stage #18 Frac ("Avalon" 10,215' - 10,36	5')		
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	A A A A A A A A A A A A A A A A A A A		
Perf Stage #19 Avalon Shale F/ 10,015 Open well RIH, get on depth w/ CCL and short joint Halliburton 4.37" Obsidian 8K caged ball bpm PU and perf.SD pumps.	t @ 8,911 - 8,922' . Pump dow	n spotting 2,000 gal 15% FE acid and 2 nsion 1,180 lbs to 1,000 lbs when set. F	200 bbls treated water @ 13 bpm @ 200 fpm. Set Pressure up to 4,400 psi and PU pump rate to 3
Gun assy: Halliburton 3.5" shorty setting	tool, 3 1/8" guns @ 6 spf, 60 de	egree phasing, 21 gm, max-force charg	es.
Perforate as follows:			
10,165' - 10,168' 6 spf 12 shots 21 g 10,115' - 10,118' 6 spf 12 shots 21 g 10,065' - 10,068' 6 spf 9 shots 21 g 10,015' - 10,018' 6 spf 9 shots 21 g	gm 60 degree phase		
POOH, all shots fired, 42 total holes.			

Chevron	Sur	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
	ease Red Hills 11-25-33	Field Name RED HILLS	Business Unit
	Current RKB Elevation	RED HILLS	Mid-Continent 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			
Perf Stage #20 Avalon Shale F/ 9,815'	7/ 9,965'		
Halliburton 4.37" Obsidian 8K caged ball bpm PU and perf.SD pumps. Gun assy: Halliburton 3.5" shorty setting t	írac plug _. @ 10,190'. Line te		bbls treated water @ 13 bpm @ 200 fpm. Set ssure up to 4,400 psi and PU pump rate to 3
Perforate as follows:			
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	<u> </u>	Com	· · · · · · · · · · · · · · · · · · ·
Finish riging down frac crew and moving o			
	Il other auxilliary equipment o	on location, Prep location for coil tubing. Mo	ove off Sand Chiefs
Report Start Date: 7/25/2014			

Page 17/28

BED HILLS Mid-Continent 3.415.00 Plandkin (T) (Control for Mouthan) Out Of Midl Solphan, O 3.415.00 Status (D) (Status Evaluation) Out Of Midl Solphan, O 3.415.00 Status (D) (Status Evaluation) Out Of Midl Solphan, O 3.415.00 Status (D) (Status Evaluation) Out Of Midl Solphan, O 3.415.00 Status (D) (Status Evaluation) Out Of Midl Solphan, O 3.415.00 Status (D) (Status Evaluation) Discuss Evaluation (Status (S	Chevron	Sur	nmary Report	Job Start Da Job End Date	
Same Electronic Open HIRGIN Quere RMARD Out as 50, 504/2014 Same Electronic for today, SVA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat schwards in 110 dag, heat, janch points, laying inco. Discussed frameworks and the pressure test is in progress, moving equipment and need for guide. Discuss Operations for today, SVA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat schwards in 110 dag, heat, janch points, laying inco. Discussed information of the pressure test is in progress, moving equipment and need for guide. Discuss Operations for today, SVA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat schwards of information of the pressure test is in progress. moving equipment and need for guide. Discuss Operations for today, SVA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat schwards of information of the starts. Color and the starts to the pressure test is in progress. moving equipment and need for guide. Discuss Operations for today, SVA, TIF, ERP, Tenet #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat schwards associated with job, Heat Starts today schwards. Solor Tene Starts today schwards associated with job, Heat Starts today schwards. Start Kork All and Starts associated with pressure test is in progress. moving equipment and test motor at 2.75 bpm attracts to 00 200 print pressociated with pressociated with pressociated with pressociated with pressociated with pressociated with pressociated with pressociated with pressociated with pres	Well Name RED HILLS 11-25-33 001H				
Can Durate Specific for body. SVAX, TIE_ERP_Tenet #5 W6 Always meet or exceed outsomer requirements. Discussed Hazards associated with job, Heat Decussed overlands fit and working at heights, home made / improper tools. SPOI Equipment - Rig up C1U ALC FUL heats click and that and up the st 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 SPOI Equipment - Rig up C1U ALC FUL heats 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 SPOI Equipment - Rig up C1U 418/Ustrator, coll and free stack to 300 psi low and 7500 psi high. 418/Ustrator, coll and free stack to 300 psi low and 7500 psi high. 418/Ustrator Connector	Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft) Water	
25.5M. B&CXWWFESCONDIG School Discuss Depraisions for today, SWA, TIF, ERP, Tenet #5 We Always meet or exceed oustomer requirements. Discussed taroning octar while pressure test is in progress, moving equipment and need for guide. Discuss Depraisions for today, at heights, home made / improper tode. Spt Equipment - Rig up CTU Structure of the guide. Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Equipment - Rig up CTU Spt Park x 2.38" K2.00° Coli Connectord		3,435.30, 3/0/2014		0.00	0.0
Sicuss Operations for today. SWA, TIF, ERP, Tenel #5 We Always meet or exceed customer requirements. Discussed Hazards associated with job, Heat briausion 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 in and working and heights, home made / Improper todos. Sup Equipment - Rig up CTU VII CTU Instal Coll connector and pull lest 30 K Install assy, to circulating sub and lest assy. 3000 psi install motor and bit and test motor at 2.75.bpm at 4800 all fest lubration i. coll and frace stack to 300 psi low and 7500 psi high. Heilborton Coll Connector — .75 Star Could School tool assy. 	PISM - B&CAMAV/EESCO/Old School		Com		
si. Test lubricator. coll and frac stack to 300 ps low and 7500 ps high. Hallburton Old School tool assy. 1.88° X 2.00° Coll Connector	exhaustion in 110 deg. heat, pinch points Discussed overhead lift and working at h Spot Equipment - Rig up CTU	s, laying iron. Discussed stan eights, home made / imprope	ding clear while pressure test is in progress, er tools	, moving equipment and need for g	uide.
28.8 Y 2.0 ° Coil Connector75 28.9 Unit BPV	osi.Test lubricator, coil and frac stack to	300 psi low and 7500 psi hig	h.		
2 as "Dual BFV					
288 Jana		ı			
2.85° Circulating Sub	2.88 Jars5.7				
2.88" NOV Agita motor —					
2.85 "Hi-Torque motor	2.88" NOV Agitaor4.54	t,			
4 625° JZ Rock Bit	2.88" Hi-Torque motor12.8	7'			
Devrall tool length 28 97 Test surface equipment 250 psi low and 8000 psi high. Equalize well to 2800 psi . TH pumping 1/2 bpm taking 1/2 bpm returns at 2850 psi. Pumping FW with 1 gal FR/10 bbls. Tag Plug # 1 @ 10050CTM Mill up in 20 minutes 2-ump 12 bbl sweep 2-ump 10 bbl sweep 2-Ump 10 bbl sweep, followed by 47 bbl flush Make short trip out of hole When seed rag RHH 100; then POOH - tight spot gone. 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl sweep, 10 bbl spacer, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl spacer, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl spacer, 10 bbl sweep bbl flush 2-Ump 10 bbl sweep, 10 bbl spacer, 10 bbl sweep bbl clean. 2-DOH to Kickoff point, RH to landing point) [,]			
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 2 mp 2.5 bpm getting 3.0 returns 2 mp 10 bbl sweep 2 mp 10 bbl sweep 2 mp 10 bbl sweep 2 ml 1 Plug, tag/drill bottom @ 10256°CTM Mill up both 3 minutes 2 md 1 2 minutes 2 md 1 2 minutes 2 md 1 4 minutes 3 minutes 3 md 1 minutes 3 minutes					
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 Ptug # 1 @ 10050CTM Mill up in 20 minutes 20mp 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 10 bbl sweep 20ml 2.5 bpm getting 3.0 returns 20ml 2.5 bpm getting 3.0 returns 20ml 2.5 bpm getting 3.0 returns 20ml 2.5 bpm getting 3.0 returns 20ml 2.5 bpm getting 3.0 returns 20ml 10 bbl sweep 20ml 2.5 bpm getting 3.0 returns 20ml 10 bbl sweep 20ml 2.5 bpm getting 3.0 returns 20ml 2.5 bpm getting 3.5 returns 20ml 2.5 bpm getting 3.5 returns 20ml 10 bbl sweep, followed by 47 bbl flush 20ml 10 bbl Sweep, 10 bbl sweep, 10 bbl sweep 20ml 10 bbl sweep, 10 bbl sweep, 10 bbl sweep 20ml 10 bbl sweep, 10 bbl sweep 20ml 10 bbl sweep, 10 bbl sweep 20ml 10 bbl sweep, 10 bbl sweep 200H to Kickoff point, RiH to landing point		8000 psi hiah.	<u> </u>		
ag Plug # 1 @ 10050'CTM hill up in 20 minutes tump 10 bbl sweep With ag plug # 2 @ 10252' CTM mill Plug, tag/drill bottom @ 10256'CTM hill up both 26 minutes tend 10 bbl sweep prilling up sand tump 2.5 bpm getting 3.0 returns RH ag Plug # 3 @ 10,450' CTM mill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug bottom @ 10465'CTM hill up tag/drill plug tag/drill plug bottom @ 10465'CTM hill up tag/drill plug tag/drill plug bottom @ 10465'CTM hill up tag/drill plug tag/drill plug tottom @ 10465'CTM hill up tag/drill plug tag/drill			ns at 2850 psi. Pumping FW with 1 gal FR/1	0 bbls.	
Iiii Up in 20 minutes Pump 2.5 bym getting 3.0 returns Pump 10 bbl sweep StH Fag plug # 2 @ 10252' CTM Nill Plug, tag/dril bottom @ 10256'CTM Mill up both 26 minutes Send 10 bbl sweep StH Tag Plug # 2 @ 10252' CTM Mill up both 26 minutes Send 10 bbl sweep Drill Plug, tag/dril plug bottom @ 10256'CTM Mill up both 26 minutes Send 10 bbl sweep Drill Plug, tag/dril plug bottom @ 10465'CTM Mill up in 45 minutes Send 10 bbl Sweep Drill Plug, tag/drill plug bottom @ 10465'CTM Mill up in 45 minutes Send 10 bbl Sweep Drill Plug, tag/drill plug pathog Drill Plug, tag/drill plug pathog Yump 3.5 bpm getting 3.5 returns RH Fag Plug # 4 At 10,550' Pump 10 bbl Sweep, followed by 47 bbl flush When see drag Rill 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					
Pump 10 bbl sweep Drill bottom in 14 min, wash some sand Drill bottom in 14 min, wash some sand Drill bottom in 14 min, wash some sand Drill Plug #2 @ 10252' CTM Drill Plug tag/drill bottom @ 10256'CTM Mill up both 26 minutes Send 10 bbl sweep Drill Plug tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill Plug tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill Plug tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drilling up sand Pump 3.5 topm getting 3.5 returns RIH Fag Plug # 4 At 10,550' Pump 10 bbl Sweep, followed by 47 bbl flush Make short trip out of hole When seed rag 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 Plug 10 bbl sweep, 10 bbl sweep to clean. POOH to Kickoff point, RIH to landing point	Mill up in 20 minutes				
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 Will up bott 2 @ 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 Will up in 45 minutes Send 10 bbl Sweep Drulling 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 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 sweep, 10 bbl sweep to clean. POOH to Kickoff point, RIH to landing point					
Tag plug # 2 @ 10252' CTM Drill Pug, tag/drill bottom @ 10256'CTM Will up bott 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 rug, tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill Pug, tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill ng 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 folghting 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	Drill bottom in 14 min, wash some sand				
Tag plug # 2 @ 10252' CTM Drill Pug, tag/drill bottom @ 10256'CTM Will up bott 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 rug, tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill Pug, tag/drill plug bottom @ 10465'CTM Will up in 45 minutes Send 10 bbl Sweep Drill ng 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 folghting 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				
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 sweep, 10 bbl sweep to clean. POOH to Kickoff point, RIH to landing point	Tag plug # 2 @ 10252' CTM Drill Plug, tag/drill bottom @ 10256'CTM Mill up both 26 minutes				
Pump 2.5 bpm getting 3.0 returns RIH Tag Plug # 3 @ 10,450' CTM Drill Plug, tag/drill plug bottom @ 10465'CTM Will 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					
Tag Plug # 3 @ 10,450' CTM Drill Plug, tag/drill plug bottom @ 10465'CTM Will 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	Pump 2.5 bpm getting 3.0 returns				
Tag Plug # 3 @ 10,450' CTM Drill Plug, tag/drill plug bottom @ 10465'CTM Will 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	РШ				
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	Tag Plug # 3 @ 10,450' CTM Drill Plug, tag/drill plug bottom @ 10465' Mill up in 45 minutes	СТМ			
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	Drilling up sand				
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	Pump 3.5 bpm getting 3.5 returns RIH				
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	Tag Plug # 4 At 10,550'				
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	Pump 10 bbl Sweep, followed by 47 bbl	flush			
POOH to Kickoff point, RIH to landing point	While POOH fighting drag. When see drag RIH 100', then POOH - t Pressure increasing on CT from 4800 ps	i to 6000 psi - sand in vertica	al. Once sweeps from Plug #3 and after tag	#4 out - pressure decrease	
RIH and tag Plug 4		/// K			
	RIH and tag Plug 4				

Chevron

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

Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit 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
Tag Dlug # 4 @ 10 649' CTM (KP and To	all angle not appointed for	Com		
Tag Plug # 4 @ 10,648' CTM (KB and To 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 Pump 10 bbl sweep	-	or)		
RIH Tag plug # 5 @ 10,853' CTM (KB and To Mill up both 10 minutes Send 10 bbl sweep Wash to next plug in 10 min, wash some Pump 2.5 bpm getting 3.0 returns		or)		
RIH Tag Plug # 6 @ 11,052' CTM (KB and To Mill up in 12 minutes Send 10 bbl Sweep Wash to next plug in 20 min, wash some Pump 3.5 bpm getting 3.5 returns		or)		
RIH Tag Plug # 7 At 10,550'				
	was pulling heavy. Pumpe	d a 10, 10, 10 sweep wait for last sweep t	o 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 b Call was made to pump N2 with foamer t				
POOH to Kickoff point, RIH to landing po	int			
RIH and tag Plug 7 Did not see any sand when RIH from KO				
Tag Plug # 7 @ 11250' CTM (KB and To Send 10 bbl Sweep Mill up in 17 minutes Wait for Sweep to Exit, Send another 10 Pump 2.8 bpm getting 3.0 returns	-	r)		
Tag Plug #8 at 11452 CTM (KB and Toc Mill up in 20 min Wait for sweep to Exit, Send another 10 l	-)		
RIH Tag Plug # 9 At 11655' CTM (KB and To POOH	ol Length not accounted fo	r)		
Pumped the following configuration for e All sweeps were clean or small amount o	1 0 1	vith each sweep exiting CT after Plug drille	ed, 70' past plug, 140'past plug, and tag next p	lug.
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 confi	gurations, 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 nitrog	en, test lines.			
Bring on Nitrogen at 758 scf/min and 1.3	bbl/min liquid. RIH to 10,8	800 ft foamed fluid and ROH to 9,500 clea	ning hole. RIH to tag and mill out plug 9	
Report Start Date: 7/27/2014		Com		
RIH and tag plug 9 @ 11672' CTM			·	

Page 19/28

Chevron	Sum	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.00
		Com	
Tag Plug # 9 @ 11,672' CTM (KB and T 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	ool Length not accounted for)		
Tag sand and wash @ 11,745			
Tag Plug #10 at 11,850' CTM (KB and Mill up in 10 min Send 10 bbl sweep	Fool Length not accounted for)		
Wash sand to plug 11, tag plug 12,056',	Start N2		
Start Short Trip with N2 and foam, pulled	d 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' wit	n tight spots at 10582', 10558',	10537', 10542', 10532', 10524', 10465' (5	hrs)
POOH slowly from 10465' to KOP at 899	95', with tight spots at 10366, 10	0312', 10269', 9955' (2.5 hrs)	
POOH to surface.			
NOTE: Pulled approximately 17 yards o bbls of sand) for about 160 bbls of sand Casing capacity from top shot to plug tag	back.	y (81bbls of sand). Pull approximately 17	yards of out sand out of open top today (81
Come to surface to cut 400 ft of pipe due	e to fatigue and andd AV Sub.		
Shut in well and ND Well head flange.			
Function test motor 2,100 psi @ 2.5 bpm			
psi Install AV Sub Test lubricator, coil a			stall assy. to circulating sub and test assy. 3000
Halliburton Old School tool assy.			
2.88" X 2.00" Coil Connector75' 2.88" Dual BPV1.22 2.88 Jars5. 2.88" Hydraulic Disconnect1.46' 2.88" Circulating Sub1.22 2.88" NOV Agitaor4.5 2.88" AV Sub0.	75' , 4'		
2.88" Hi-Torque motor12.8 XO 2-3/8"Pac X 2 3/8" Reg bxp0.89' 4.625" JZ Rock Bit5	37'	,	
Overall tool length 29.92'			
Test surface equipment 250 psi low and Report Start Date: 7/28/2014	8000 psi high.		
RIH circulating fluid 3.5/3.5.		Com	
Weight check at 8,900' and 10,900'			
Tag plug #11			
		Page 20/28	Report Printed: 9/24/2014



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

	T		505 End Date: 0/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation	- I	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	I ool 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	2.		
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' Hit Tight Spot @ 11420', pump 5 sweep Hit Tight Spots @ 10520, 10498, 10494, Hit Tight Spots @ 10361, 10324			
Pump 5 bbl sweeps at tight spots, mixed	I success at getting past with just sweep	s, had to RIH and work area to get past.	
Sweeps getting back within 15 minutes c	of calculated time. (14 min down coil, 55	5 minutes up annulus @ 10500)	
POOH Slowly to kickoff point, discuss wi	th office.		
Decide to Flowback well. POOH to surfa	ace.		
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 lubric	ator, pull off tool string. Blow coil dry wi	th N2. Complete CT rig down. NU Crown	valve on tree, prep for flowback.
Well shut in NU and tighten up crown val	lve		
Report Start Date: 7/29/2014			
1			

Chevron

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

Vell Name	Lease	Field Name	Job End Date: 8/12/201 Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent
round Elevation (ft) Original RKB (ft) 3,415.00 3,4	Current RKB Elevation 39.50 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.
		Com	
pen well on 12/24 Choke	······································		
ime Choke WHP Water			
	STB PPM		
00:0020000.0001:0012194054.40	0.00		
)2:00 12 1940 54.40)2:00 12 1930 55.10			
03:00 12 1925 56.90			
04:00 12 1925 52.80 2			
05:00 12 1920 57.90			
	332.90 27,000		
Fime Choke WHP Water 1/64ths psig STB/hr			
06:00 12 1920 55.80			
07:00 14 1905 76.20			
08:00 14 1905 72.00			
09:00 14 1900 75.00			
10:0014189572.6011:0014189575.00			
12:00 14 1895 73.80			
13:00 16 1885 90.00			
14:00 16 1880 87.00			
15:00 16 1880 87.60 ⁻			
16:00 16 1880 87.00 ⁻ 17:00 16 1870 88.80 ⁻			
	1217.9 1304.3 33,000		
Continue Flowback well with 24 hr Report Start Date: 7/30/2014			
		Com	
	STB/hr STB Chlorides		
18:00 16 1870 86.40 ⁻ 19:00 16 1874 87.60 ⁻	1304.3 33,000 1391 9		
20:00 16 1856 84.20			
21:00 16 1850 88.00 ⁻			
22:00 16 1846 87.20			
23:00 16 1843 85.10 ⁻)0:00 16 1838 88.90 ⁻	1736.4 1825.3 31,000		
01:00 16 1838 88.90 01:00 16 1833 86.00			
02:00 16 1829 87.20 ·			
03:00 16 1825 75.90 2			
04:00 16 1821 89.52			
05:00 16 1818 87.21 2 06:00 16 1818 2	2251.1 2251.1 42,000		
	2231.1 42,000		
Time Choke pressure	STB/hr STB STB Chlorides		
6:00 16 1815 87.60 2	2338.7 79890.6 4 2,000		
7:00 16 1812 87.92 2	2426.7 79802.7		
	2513.7 79715.7 2597.1 79632.3		
	2700.9 79528.5		
	2814.3 79415.1		
12:00 18 1792 115.803	2930.1 79299.3 35,000		
	3044.7 79184.7		
	3159.9 79069.5 3275.1 78954.3		
	3411.3 78818.1		
	3551.1 78678.3		
	3692.1 78537.3 37,000		
Flowback with 24hr supervision.			
Shut in well due to weather for 2 h	ours. (20:00 to 22:00)		
Report Start Date: 7/31/2014			

Chevron

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

.

Well Name	Lease	Field Name	Job End Date: 8/12/20 IBusiness Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent
round Elevation (ft) Original RKB (ft) 3,415.00 3,439.50	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0
		Com	
ime Choke PSI STB/hr STB	STB Chloride		
8:00 20 1748 141.0078537 9:00 20 1739 142.0078395			
9:00 20 1739 142.0078395 0:00 20 1720 0.00 78395			
1:00 20 1720 78395	5.33834.1		
22:00 20 1767 143.0078252			
23:00 20 1731 141.0078111 00:00 20 1715 142.0077969			
1:00 20 1711 139.0077830			
2:00 20 1706 143.0077687			
3:00 20 1695 140.0077547 4:00 20 1695 137.0077410			
1692 140.0077270			
6:00 20 1682 141.0077129	9.35100.1 39,000		
Vell shut in.			
			ID Wheel. Rigging up Coil Tubing and Tools, Sand and chemical exposure or spills.
pot Equipment, Rig up iron.		ssure while pumping and on nowback	. Sand and chemical exposure of spills.
hut down for lightning - wait for storm to	o pass		
	•	or and pull test 30 K Install assy, to cir	culating sub and test assy. 3000 psi Install motor and
it and test motor at 2.75.bpm at 4800 p	osi.Test lubricator , coil and fra	ac stack to 300 psi low and 7500 psi hi	igh.
alliburton Old School tool assy.			
-			
.88" X 2.00" Coil Connector75' .88" Dual BPV1.25	5'		
.88 Jars5.0			
.88" Hydraulic Disconnect1.45			
2.88" Circulating Sub1.27 2.88" AV Sub0.9	' E'		
2.88" CTT Amplimax Agitaor6.31'	5		
2.88" Hi-Torque motor12.87	*1		
(O 2-3/8"Pac X 2 3/8" Reg bxp0.60'			
4-5/8" JZ Rock Bit50			
Overall tool length 31.65			
RIH w/ CT, pumping 0.5 bpm in / 0.5 bp	m out.		
Perform weight checks every 2000 ft. At KOP - increase rate to 3.5bpm in / 4 t	oom out		
RIH to 10600', circulate 10 bbl sweep to	•		
RIH, tag plug #14 @ 10657' CTM, pump			
Tag Plug #14 @ 10657' CTM			
Drill plug slowly - thru in 25 minutes Tag plug bottom @ 10661'CTM, work or	a nlug bottom		
Csg pressure incresed from 1730 to 179			
Pump 10 bbl sweep - returns clean.			
Start to get 6 ppm H2S, clear area arou	nd Open Top. Regularly sniff	area - drop down to 3 then zero in 2 h	rs. 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 bac	k trace amounts of sand.		
Report Start Date: 8/1/2014			
		Com .	
Tag Plug 15 @ 12,884' Drill thru plug in 1 hr 12 min			
Driii thru piug in 1 nr 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.		
			Dement Drinted - 0/24/2

Chevron	Sur	nmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit 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
Short Trip from 13,060 to 8,785 ft. Runni		Com	
	ng a to bbi sweep every 1,00	0 n.	
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 Torr Pump 10 bbl Sweep - Came back with s RIH tag @ 13055, drill / RIH slowly ~2ft/r 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'	mall amount of plug parts		
POOH to KOP - Stop @ 8700' No drag / overpull while short tripping. Sweep from short trip had sand / plug pa	rts.		
RIH to continue drilling sand / object- Ta	g @ 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	
Short Tripping to 8,700. OTG Arrive to Clean Containment Mats-	ons and hazards associated.	Clean / Remove Containment mats to reeve	IH to 13,097 and motor stalled again. POOH
RIH tag sand @ 13413' CTM			
No drag / overpull coming out or running	in.		
Start drilling stand @ 13413' at 0.2-0.5 fl	/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 13 Set weight down at 13599'CTM.	599°C I M.		
POOH to surface No drag / no overpull			
Shut in Well			
		iss SWA, TIF, ERP, Tenet of Day #2. Discussion - complacency / frustration. Rig down slov	
Pre-Rig down safety meeting. ND lubric	ator, pull off tool string. Blow	coil dry with N2. Complete CT rig down, pre	p for flowback.
Report Start Date: 8/3/2014			

.

Chevron

Vell Name	Lease	Field Name	Job End Date: 8/12/201 Business Unit
RED HILLS 11-25-33 001H	Red Hills 11-25-33	RED HILLS	Mid-Continent
	Current RKB Elevation 3,439.50, 5/8/2014		Mud Line Elevation (ft) Water Depth (ft) 0.00 0.
·		Com	
pened up well at midnight		Com	
ime Choke PSI STB/hr Recove	arad		
0:00 0 1670 0.00	sieu		
1:00 20 1670 146.20146.20			
)2:00 20			
)3:00 20			
15:00 20 1635 133.40704.70			
6:00 20 1635 134.20838.90	ł		
otal Frac Volume: 144322 bbls	whine: 8050 hhle		
otal Load Recovered since started coil t			
LTR at 0600: 135,434 bbls			
TIME CHOKE WHP STB/HR Re			
)6:00 20 1635 134.20 838.9)7:00 22 1615 156.00 994.9			
18:00 22 1610 147.001141.9)		
9:00 22 1605 147.001288.9			
0:00 22 1605 151.801440.7			
1:00 22 1600 153.001593.7 2:00 22 1600 153.601747.3			
2:00 22 1600 153.60 1747.3 3:00 24 1595 154.80 1902.1			
4:00 24 1590 156.002058.1			
5:00 24 1585 159.602217.7			
6:00 24 1580 159.602377.3			
7:00 24 1580 159.602536.9			
8:00 24 1573 157.202694.1 hange to 26 choke at 18:00	48,000		
hange to zo choke at 10.00			
Fotal Frac Volume: 144322 bbls Fotal load recovered at 1800: 10744 bbls FLTR at 1800: 124690 bbls	ı		
Hold Safety Meeting with FESCO, Stone. Clean Open Top tanks of sand. Recover	ed approximately 11 yds of	f sand (32,000 lbs) while drilling plugs 14	- 18.
Fotal Sand recovered during CT drillout i	s approximately 110,000 lb	s of sand (includs 72,000 recovered 7-27	7-14, 32,000 today, and about 6000 lbs still in tank.
Hold Safety Meeting w/ OTG - Clean / W	ash containment from CT jo	ob.	
Continue Flowback with 24 hr supervision	٦.		
Report Start Date: 8/4/2014	· · · · · · · · · · · · · · · · · · ·	Com	
ime Choke WHP STB/HR Recovent 1:00 28 1482 218 4120.7			
2:00 28 1482 218 4120.7 2:00 28 1475 217 4337.7			
3:00 28 1471 220 4557.7			
4:00 28 1465 216 4773.7	,		
5:00 28 1460 210 4983.7			
6:00 28 1457 217 5200.7			
hlorides at 0600: 52,000			
Shut in well at 0600			
otal Frac Volume: 144322 bbls otal load recovered at 1800: 13250 bbls FLTR at 1800: 131072 bbls	;		
Small amount of gas back during flowba	ck, no oil seen. Did not see	e sand while flowing back, after draining t	ank, see less than 1 bbl of sand on bottom.
Pre Job Safety Meeting w/ PWR, B&C, H Discuss operations - R/U, RIH w/ GR, Pu inchpoints, overhead loads. Stress goo	ump 250 bbl fluid, RIH w/ Pi	acker. Discuss SSE program, SWA, ER	P, TIF, hazards associated with job - pressure, fore using with removal of home made tools.
			· · · · · · · · · · · · · · · · · · ·

Chevron	Su	mmary Report	Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation	INED THEES	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 Test Halliburton Pump truck 250 low / 45			
Test Haliburton Pump truck 250 low 7 4	boo psi nign		
Fill lubricator, test 250 low / 4500 psi hig		·	
TIH w/ 4.60 Gauge Ring and Junk Bask No tight spots, Correlate with short joint			
Establish injection rate of 3 bpm, initially			
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 Pk ID: 2.44" OD: 4.5" LENGTH: 8.5'	r		
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" LENG	TH: 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 ps Well bore pressure was 1900 psi prior to POP should shear approximately 3568 p	packer run.		
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			
•	ul flowling ones to OTT No.	Com	·····
Fesco monitor negative test on packer v HSM & PJSA w/ Fesco, Key, B&C, GE,	•	A, TIF, ERP, pinch points, spotters while backir	ng, over head loads, communication
SICP: "0", SIICP: "0", SISCP: "0"			
		d LMV, RU GE lubricator onto LMV. Lubricate	in flow bushing w/ BPV in place. Install 7 1/16"
Begin RD FB equipment			
RDMO WW Wireline, GE. Fesco complete RD of FB equipment, m Key empty OTT, FB tanks.			
OTG clean containment mats. Basic and NOTE: Basic PU 2 FB tanks and carry to	-		
Report Start Date: 8/6/2014			
		Com	· · · · · · · · · · · · · · · · · · ·
		, pinch points, spotters while backing, commu dhoses. Key pull tank BTM's on frac tanks.	nication.
NOTE: Trend MOB 1 company man trai			
		Bago 26/29	Denart Drintady 0/24/204
		Page 26/28	Report Printed: 9/24/2014



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

Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit 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 0.0				
Report Start Date: 8/7/2014			1				
		Com	······································				
HSM & PJSA w/ Sunbelt, Stone Discuss w/ spotters, communication.	Scope of Job, SWA, TIF, Tenet #7 We	e alwaysconply with all applicable rules ar	nd regulations, pinch points, backing				
	ne PLL3 Frac tanks						
_							
		Com					
CREW TRAVEL FROM PREVIOUS LOC	CATION.						
HED HILLS Mid-Continent Mid-Continent 34:05.00 3:405.00 3:405.00 0.00							
	_OCATION.						
WELL SHUT IN, NO ACTIVITY.							
Report Start Date: 8/9/2014							
		Com	· · · · · · · · · · · · · · · · · · ·				
3.415.00 3.439.50 3.439.50 3.439.50 0.00 0.00 Report Start Date: 6772014 Com Might R F134.W Surbet: Strong Date: 6772014 Com Will Sport Start Date: Strong Date: 6772014 Com Will Sport Start Date: 6782014 Com Com CREW TUNCK: Report Start Date: 6782014 Com OW DOCK Date: 6782014 Com OW DOCK Date: 6782014 Com OW DOCK Date: 6782014 Com OW DOCK Date: 6787014 Com OW DOCK Date: 6787014 Com DEBMEY: AND Second Date: 679014 Com WELL SHUT IN NO ACTIVITY: Com Com Com Report Start Date: 892014 Com Com WELL SHUT IN NO ACTIVITY: Com Com Com Report Start Date: 892014 Com Com Over IN AND RELEANDE THERE SUBCE DUBP PLACED COLO							
Report Start Date: 87/2014 MSK & PJSA with Sundert, Stone Discuss Scope of Job. SWA, TIP., Tenet #7 We alwayscomply with all applicable rules and regulations, pinch points, backing wit spotters, communication. Stone FU ML, Fu and lipit towers. Stone PU 3 Fractanks Report Start Date: BR/2014 Con Con CREW TRAVEL FROM PREVIOUS LOCATION. Con CREW LINCH, RU JSA. SAFETY DRILLS. SPOT EQUIPMENT AND RU SPOT EQUIPMENT AND RU NUG SOFE, FUNCTION TEST TRANS. VISUAL INSPECTION = GOOD. DEBNIEF AND CREW TRAVEL FROM LOCATION. Con CREW LINCH, RU JSA. STREET 69, INSDAL INSPECTION = GOOD. DEBNIEF AND CREW TRAVEL FROM LOCATION. WELL SHUT IN NO ACTIVITY. Con Report Start Date. 69/2014 Oreck, WIELL PRESURE = 069, IPRE-JOB EQUIP MSP, CALIPRE LEVATORS. CONTROL CHEW TRAVEL LERA D TECH REPOVE BEY AND INS HANGAR W/2WAY CHECK. MOVE IN AND RULEATOR INTO RESURE UP AND INS HANGAR W/2WAY CHECK. MOVE IN AND RULEATOR INTO RESURCE UP AND INS HANGAR W/2WAY CHECK. MOVE IN AND RULEATOR INTO RESURCE UP AND INS HANGAR AND VALVE AND RIJ. RESERT. PULL HANGAR W/2WAY CHECK REDRESS HANGAR AND VALVE AND RIH, RESERT. MOVE IN AND RULEATOR INTO RESURE WOULD NOT HOLD RESSURE WOULD NOT HOLD, ELEED OFF AND TRULAR OR HANGAR NEEDS REPLACED. ORDERED FORMAL AND TALLY. CHEW TRAVEL HANG AND THE L							
		SUBS STRAP AND TALLY					
			··· ·				
		OLD. BLEED OFF AND TROUBLE SHOO	MADE SEVERAL ATTEMPTS				
		,	······································				
PULL HANGAR W/2WAY CHECK. RED	RESS HANGAR AND VALVE AND RIH	I, RESEAT.					
ATTEMPT TO TEST ANNULAR - COUL FOR MON. FIRST THING.	D NOT HOLD PRESSURE, TROUBLE	E SHOOT. EITHER ANNULAR OR HANGA	R NEEDS REPLACED. ORDERED				
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					
· ·							
	AY CHK VALVE. BEGIN TO PRESSUI	RE UP ANNULAR FOR TESTING.					
		IT TALLT DEPTH WITH 202 JTS. LATCH	UN AND DET IUPID				
	defection Topserset State Subset State State Subset State Subset State Subset State Subset State Subset Su						
wi spotters, communication. Stronter PULM, FL, and ight lowers. Stone PU 3 Frac tanks Report Start Date: 8/8/2014 Com CREW TRAVEL FROM PREVOUS LOCATION. CREW LUNCH, TU JAS, SAFETY ORILLS. SPOT EOUIPMENT AND RU. NII GOPE FUNCTION TEST RAMS VISUAL INSPECTION = GOOD. DEBRIEF AND CREW TRAVEL FROM LOCATION. WELL SHUT IN, NO ACTIVITY. Report Start Date: 8/9/2014 Com CREW TRAVEL TO LOCATION. CREW TURVE IN AND OFLOAD 288 JTS 2.78" 400 FRODUCTION TBG AND SUBS. STRAP AND TALLY. CREW TURON AND SAFETY DISCUSSION. JSA. MOVE IN AND AND FECUR. MOVE IN AND AND FECUR. SAI MOVE IN AND AND FECUR. CREW TURON AND SAFETY DISCUSSION. JSA. MOVE IN AND AND FECUR. CREW TURON AND SAFETY DISCUSSION. JSA. MOVE IN AND AND TST EQUIP. ATTEMPT TO FRESSURE UP AND TST BODE. PRESSURE WOULD NOT HOLD. BLEED OFT AND TROUBLE SHOOT. MADE SEVERAL ATTEMPTS. PULL HANGAR W2WAY CHECK. REDRESS HANGAR AND VALVE AND RIM, RESEAT. PRESSURE UP AND TST BODE. CREW TRAVEL FROM TOCATION. CREW TRAVEL SHOL TO NO ACTIVITY. CRM CREW TRAVEL SHOL TO NO ACTIVITY. CRM CREW TRAVEL SHOL NO ACTIVITY. CRM CRM VELL SHUT IN, NO ACTIVITY. CRM CRM CRM CRM CRM CRM CRM CRM							
WELL SHUT IN, NO ACTIVITY.							

Chevron	Summary Report			Completion Complete Job Start Date: 7/9/2014 Job End Date: 8/12/2014	
Well Name RED HILLS 11-25-33 001H	Lease Red Hills 11-25-33	Field Name RED HILLS	Business Unit Mid-Continent		
Ground Elevation (ft) Original RKB (ft)			Mud Line Elevation (ft) Water Depth 0.00	n (ft) 0.00	
			0.00	0.00	
Report Start Date: 8/12/2014		Com			
WELL SHUT IN, NO ACTIVITY.	· · · · · · · · · · · · · · · · · · ·				
CREW TRAVEL TO LOCATION		TS/EXPECTATIONS, MYSPACE 360, WELL (
	PRE-JOB EQUIPMENT INSP, CAL				
L/D 2 JTS 2-7/8" L80 TBG, P/U 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 Nippl ID; 2.31" OD: 2.875" LENGTH	e	N, SET STRING IN COMPRESSION - 12 PTS.	PRODUCTION STRING DETAILS:		
2.875" X 4.5" WFT Arrowset 1-X ID: 2.44" OD: 4.5" LENGTH	(7K Pkr				
2.875" X 6' Pup Joint ID: 2.44" OD: 2.875 LENGTH	1: 5.6'				
2.313" X (2.25" No-Go) "XN" Nij ID: 2.313" X 2.25" OD: 2.875"					
2.875" X 4' Pup Joint ID: 2.44" OD: 2.875" LENGHT					
2.875" Pump out Plug (IE: WIR ID: 2.44" OD: 2.875" LENGTH					
TOP OF PKR - 8931' MIDDLE ELEMENT - 8935' BTTM OF PKR - 8952'					
,	AND TBG HANGAR, SET LOCK PIN	IS, SET BPV.			
RAISE RIG FLOOR AND N/D BO					
FINISH N/D BOPE.	SAFETY REVIEW W/LUKE MEAU				
	TO 4000 PSI, HELD 10 MINS, TES	ST = GOOD. PULLED BPV. INSTALLED HAND	OWHEELS ON VALVES/CHOKE.		
	HEARED AT 3800 PSI. 1900 PSI Ot	E T/540 PSI, HELD TEST 35 MINS = TEST G N FORMATION.	OOD. LOAD TBG 1.3 BBLS, PRESSU	RE UP	
	EQUIPMENT. CLEAN LOCATION.		······································		
DEBRIEF AND REVIEW PLAN F		······································			
***********************FINAL REPORT*					
,					