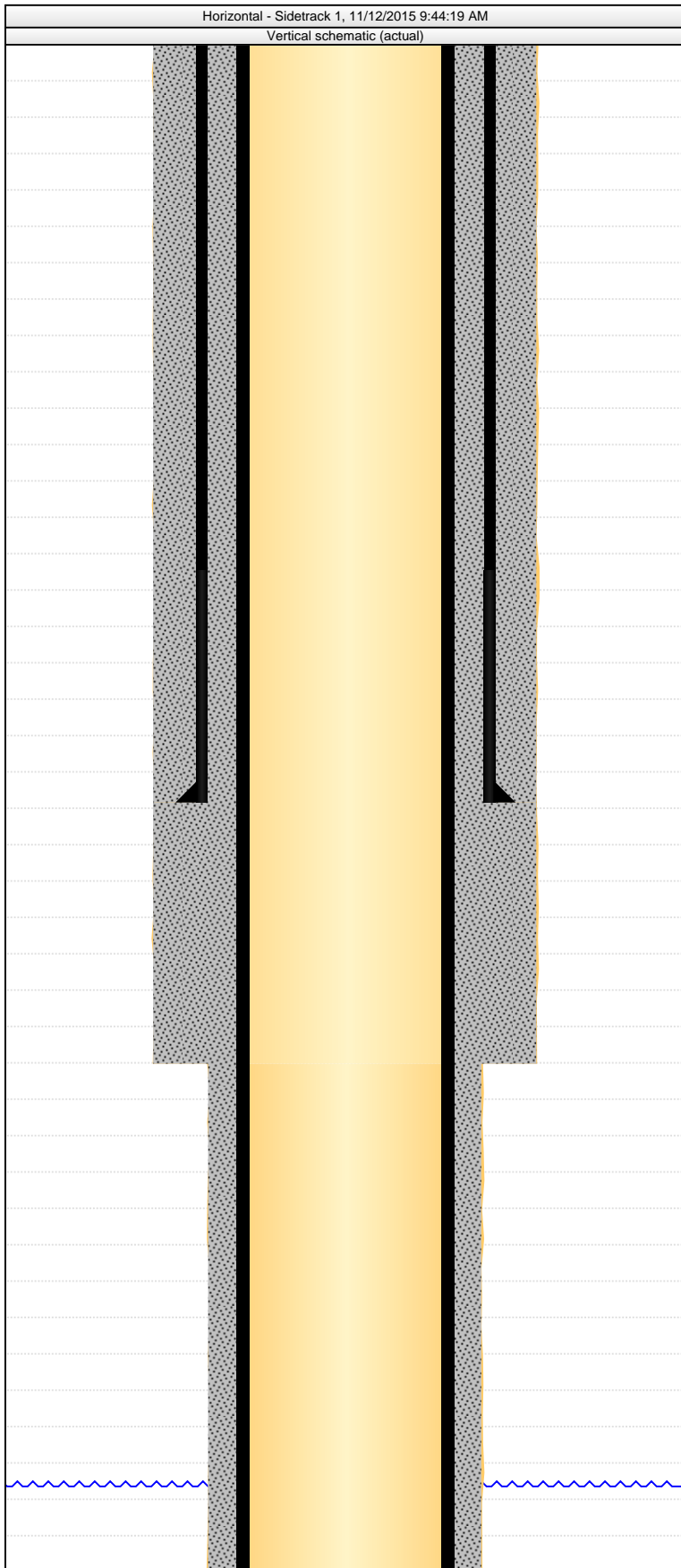


Sherley G-4-9HC

Complete Well Summary

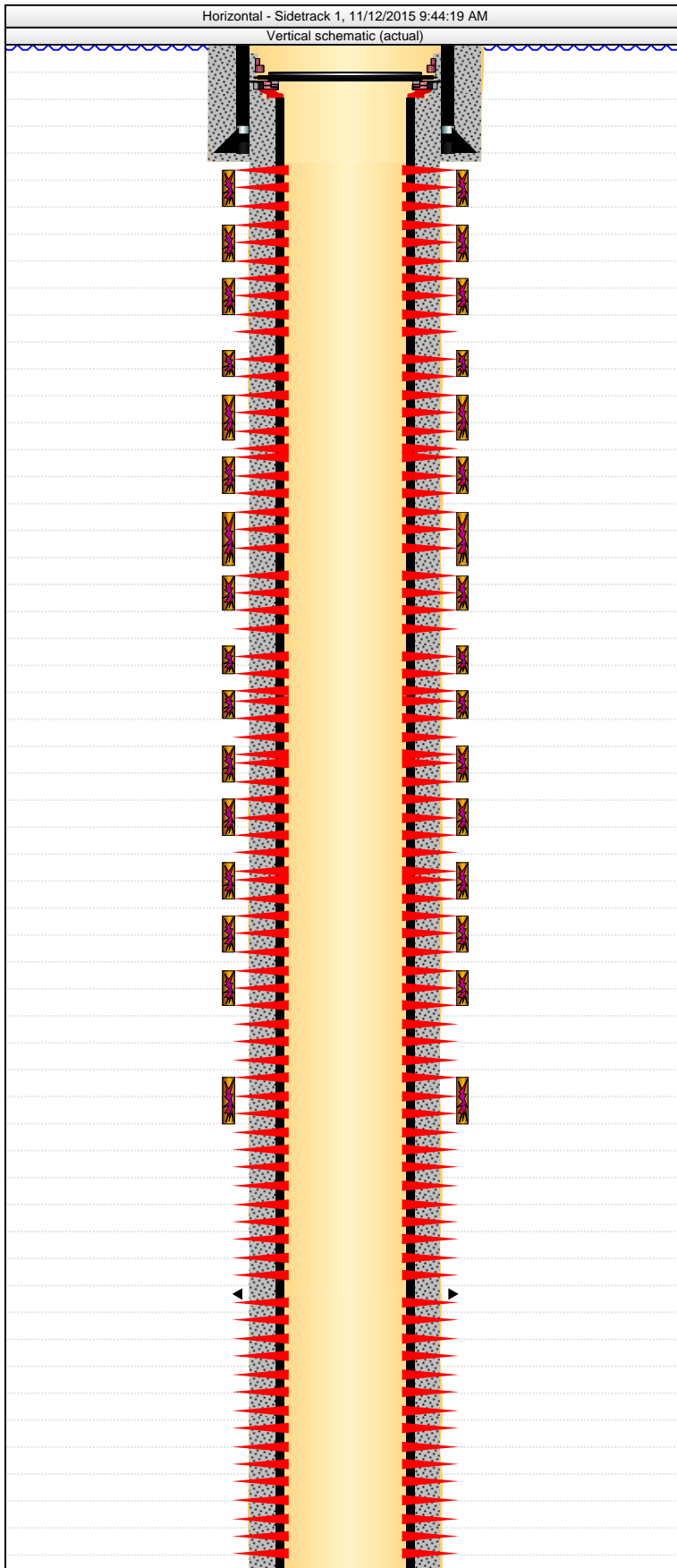
Sherley G-4-9HC



Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des	
Lead	TYPE III	250	1.40	6.80	63.0	250 sks(63 bbls) Type III 14.5# 1.40 yld. Lead cement	
Intermediate Casing Cement, Casing, 4/1/2015 00:00							
Cementing Company Baker Hughes		Evaluation Method Returns to Surface		Cement Evaluation Results Received 6 bbls cement back to surface			
Stg # 1	Description Intermediate Casing Cement				Top (ftKB) 22.0	Btm (ftKB) 7,418.2	Full Return? No
Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des	
Lead	Premium Lite	470	2.42	13.59	202.6	35/65 Poz/G + 0.25 lb/sk celloflake + 0.1% R-3 + 0.7% FL-52A + 0.15% SMS + 0.2% ASA 301 + 0. @% FL-66 + 0.02 lb/sk static free + 6% Bentonite II + 10 lb/sk CSE-2	
Tail	50:50 POZ G	230	1.22	5.37	50.0		
Production Casing Cement, Casing, 6/27/2015 05:00							
Cementing Company Baker Hughes		Evaluation Method Returns to Surface		Cement Evaluation Results Received 10 bbls to surface			
Stg # 1	Description Production Casing Cement				Top (ftKB) 6,663.0	Btm (ftKB) 16,578.0	Full Return? Yes
Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des	
Lead	G	775	2.06		204.0	50:50Poz:G.5%R3+.4%FL52+.6% ASA301+.1%SMS+20%SF+.6% FL63+10#sCSE2+2% Gel+.01gpsFP6L	
Other In Hole							
OD (in)	Des		Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model
4	4	4 1/2" Composite Frac Plug	16,294.0	16,295.0	0.00		
4	4	4 1/2" Composite Frac Plug	16,108.0	16,109.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,931.0	15,932.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,747.0	15,748.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,546.0	15,547.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,386.0	15,387.0	0.00		
4	4	Fish - Plug and Guns	15,178.0	15,195.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,197.0	15,198.0	0.00		
4	4	4 1/2" Composite Frac Plug	15,023.0	15,024.0	0.00		
4	4	4 1/2" Composite Frac Plug	14,838.0	14,839.0	0.00		
4	4	4 1/2" Composite Frac Plug	14,660.0	14,661.0	0.00		
4	4	4 1/2" Composite Frac Plug			0.00		
4	4	4 1/2" Composite Frac Plug	14,268.0	14,269.0	0.00		
4	4	4 1/2" Composite Frac Plug	14,112.0	14,113.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,934.0	13,935.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,727.0	13,728.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,571.0	13,572.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,386.0	13,387.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,208.0	13,209.0	0.00		
4	4	4 1/2" Composite Frac Plug	13,019.0	13,020.0	0.00		
4	4	4 1/2" Composite Frac Plug	12,845.0	12,846.0	0.00		
4	4	4 1/2" Composite Frac Plug	12,664.0	12,665.0	0.00		
4	4	4 1/2" Composite Frac Plug	12,482.0	12,483.0	0.00		
4	4	4 1/2" Composite Frac Plug	12,296.0	12,297.0	0.00		
4	4	4 1/2" Composite Frac Plug	12,074.0	12,075.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,938.0	11,939.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,746.0	11,747.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,575.0	11,576.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,393.0	11,394.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,212.0	11,213.0	0.00		
4	4	4 1/2" Composite Frac Plug	11,030.0	11,031.0	0.00		
4	4	4 1/2" Composite Frac Plug	10,849.0	10,850.0	0.00		
4	4	4 1/2" Composite Frac Plug	10,667.0	10,668.0	0.00		
4	4	4 1/2" Composite Frac Plug	10,486.0	10,487.0	0.00		
4	4	4 1/2" Composite Frac Plug	10,304.0	10,305.0	0.00		
4	4	4 1/2" Composite Frac Plug	10,123.0	10,124.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,941.0	9,942.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,760.0	9,761.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,571.0	9,572.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,397.0	9,398.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,208.0	9,209.0	0.00		
4	4	4 1/2" Composite Frac Plug	9,034.0	9,035.0	0.00		
4	4	4 1/2" Composite Frac Plug	8,845.0	8,846.0	0.00		
4	4	4 1/2" Composite Frac Plug	8,671.0	8,672.0	0.00		
4	4	4 1/2" Composite Frac Plug	8,489.0	8,490.0	0.00		
4	4	4 1/2" Composite Frac Plug	8,308.0	8,309.0	0.00		
4	4	4 1/2" Composite Frac Plug	8,126.0	8,127.0	0.00		
4	4	4 1/2" Composite Frac Plug	7,938.0	7,939.0	0.00		
4	4	4 1/2" Composite Frac Plug	7,763.0	7,764.0	0.00		
4	4	4 1/2" Composite Frac Plug	7,582.0	7,583.0	0.00		

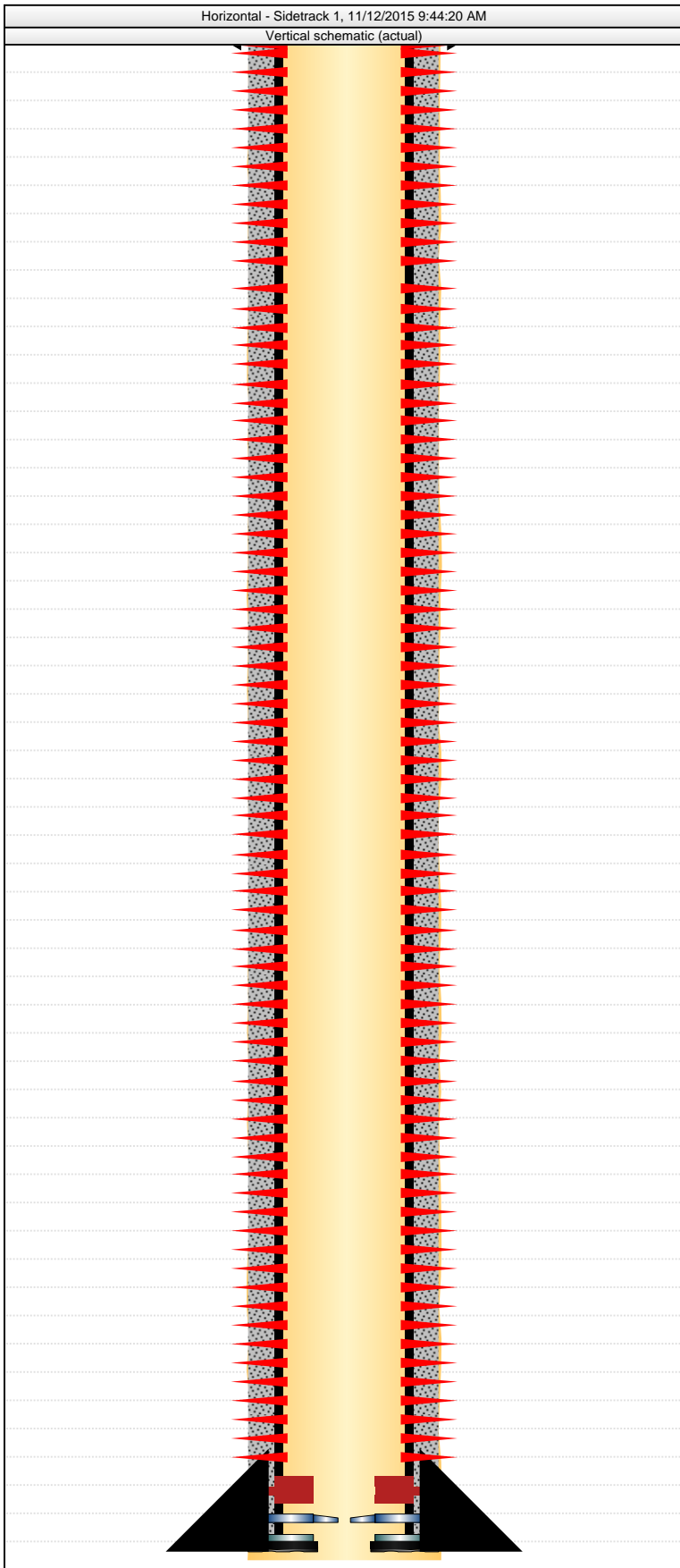
Complete Well Summary

Sherley G-4-9HC



<typ>, <make> on <dtmstart>											
Start Date		Type		Make		WP (psi)		Size (in)		Overhaul Date	
Vertical Components											
Make		Model		Se cti on		Top Conn Type		Top Sz (in)		Btm Conn Type	
										Btm Sz (in)	
										Des	
										WP (psi)	
General Notes											
Date						Com					
Drilling - original, 3/1/2015 00:00											
Job Category				Primary Job Type				Start Date		End Date	
Drilling				Drilling - original				3/1/2015		6/27/2015	
Drilling - original, 3/1/2015 00:00											
AFE Number				AFE+Supp Amt (Cost)				Total Fld Est (Cost)		Total Final Invoice (Cost)	
				6,870,687.00				2,143,586.00			
Summary											
Poss Cost Save (Cost)				Poss Time Save (hr)				Est Prob Cost (Cost)		Est Lost Time (hr)	
Phases											
Phase Type 1								Planned Likely Phase Cost (Cost)		Pl Cum Days ML (days)	
										Planned End Depth (ftKB)	
Job Contacts											
Contact Name		Company				Title		Office		Mobile	
Andy McClure		Frontier				Rig Manager					
Ed Pilcher						Drilling Superintendent				970.768.6746	
Siji Chaparro						Wellsite Supervisor				720.951.8838	
Mark Stoner						Wellsite Supervisor				530.721.0317	
Craig Hope						Wellsite Supervisor				970.397.5392	
Red Benge						Wellsite Supervisor				970.203.4850	
Gary Doke						Wellsite Supervisor				620.640.5718	
Josh Falls						Drilling Engineer				720.484.1146	
BHA #1, Surface Assembly											
BHA #		Size (in)		Model		IADC Codes		IADC Bit Dull			
1		12 1/4		E1038				-----			
Depth In (ftKB)		Depth Out (ftKB)		Drilled (ft)		Drill Time (hr)		Bit Hrs Out...		IADC Bit Dull	
22.0		841.0		819.00		4.50		4.50		-----	
String Components											
PDC E1038, Mud Motor - Bent Housing, XO Sub, NMDC/Pony Monel, UBHO, NMDC/Pony Monel, NMDC, NMDC, HWDP											
BHA #2, Steerable											
BHA #		Size (in)		Model		IADC Codes		IADC Bit Dull			
2		8 3/4		SDi611				-----			
Depth In (ftKB)		Depth Out (ftKB)		Drilled (ft)		Drill Time (hr)		Bit Hrs Out...		IADC Bit Dull	
841.0		6,987.0		6,146.00		44.00		44.00		-----	
String Components											
PDC SDi611, Mud Motor - Bent Housing, Drill Collar - Pony, UBHO, Drill Collar - Pony, Drill Collar - Flex Non Mag, Drill Pipe, HWDP, Drill Pipe											
BHA #3, Steerable											
BHA #		Size (in)		Model		IADC Codes		IADC Bit Dull			
3		8 3/4		SDi611				-----			
Depth In (ftKB)		Depth Out (ftKB)		Drilled (ft)		Drill Time (hr)		Bit Hrs Out...		IADC Bit Dull	
6,987.0		7,428.0		441.00		10.50		54.50		-----	
String Components											
PDC SDi611, Mud Motor - Bent Housing, Drill Collar - Pony, UBHO, Drill Collar - Pony, Drill Collar - Flex Non Mag, Drill Pipe, HWDP, Drill Pipe											
BHA #4, Lateral Assembly											
BHA #		Size (in)		Model		IADC Codes		IADC Bit Dull			
4		6 1/8		SK516M-C2		S231		0-1-CT-G-X-1-CT-PP			
Depth In (ftKB)		Depth Out (ftKB)		Drilled (ft)		Drill Time (hr)		Bit Hrs Out...		IADC Bit Dull	
7,428.0		9,855.0		2,427.00		39.50		39.50		0-1-CT-G-X-1-CT-PP	
String Components											
Reed SK516M-C2, Mud Motor - Bent Housing, Stabilizer - Non Mag, Density Monel, ABS Monel, Double pin XO sub, HDS1 Monel, Stabilizer - Non Mag, NMDC, Filter Sub, XO Sub, Drill Pipe, Reamer/Ghost., Drill Pipe, Reamer/Ecc, Drill pipe, Drill Pipe, XO Sub, Agitator/Shock sub, XO Sub, Drill Pipe, HWDP (4.0 in), Drill Pipe											

Sherley G-4-9HC



BHA # 5	Size (in) 6 1/8	Model SKH1516	IADC Codes —		IADC Bit Dull 0-1-CT-G-X-1-CT-BHA
Depth In (ft)KB 9,855.0	Depth Out (ft)KB 12,640.0	Drilled (ft) 3,687.00	Drill Time (hr) 50.00	Bit Hrs Out... 50.00	IADC Bit Dull 0-1-CT-G-X-1-CT-BHA

String Components

Reed SKH5156, Mud Motor - Bent Housing, Stabilizer - Non Mag, Density Monel, ABS Monel, Double pin
XO sub, HDS1 Monel, Stabilizer - Non Mag, NMDC, Filter Sub, XO Sub, Drill Pipe, Reamer/Ghost., Drill
Pipe, Reamer/Ecc, Drill pipe, Drill Pipe, XO Sub, Agitator/Shock sub, XO Sub, Drill Pipe, HWDP (4.0 in),
Drill Pipe

BHA # 6	Size (in) 6 1/8	Model SK516M-C2	IADC Codes —		IADC Bit Dull 0-2-CT-G-X-2-CT-TD
Depth In (ftKB) 11,904.0		Depth Out (ftKB) 16,582.0	Drilled (ft) 4,678.00	Drill Time (hr) 83.00	Bit Hrs Out... 83.00
					IADC Bit Dull 0-2-CT-G-X-2-CT-TD

String Components

Reed SK516M-C2, Mud Motor - Bent Housing, Stabilizer - Non Mag, Density Monel, ABS Monel, Double pin XO sub, HDS1 Monel, Stabilizer - Non Mag, NMDC, Filter Sub, XO Sub, Drill Pipe, Reamer/Ghost, Drill Pipe, Reamer/Ecc, Drill pipe, Drill Pipe, XO Sub, Agitator/Shock sub, XO Sub, Drill Pipe, HWDP (4.0 in), Drill Pipe

Initial Completion, 6/28/2015 00:00

Job Category Completion - 820	Primary Job Type Initial Completion	Start Date 6/28/2015	End Date
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Initial Completion, 6/28/2015 00:00

AFE Number	AFE+Supp Amt (Cost)	Total Fld Est (Cost) 3,317,627.80	Total Final Invoice (Cost)
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Summary

Poss Cost Save (Cost)	Poss Time Save (hr)	Est Prob Cost (Cost)	Est Lost Time (hr)
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Phases

Phase Type 1	Planned Likely Phase Cost (Cost)	PI Cum Days ML (days)	Planned End Depth (ftKB)

Job Contacts

Contact Name	Company	Title	Office	Mobile
Brad Bivens		Wellsite supervision		970-630-1379
Caleb Brewer	Mega Operating	Wellsite Supervision		970-260-3369

BHA #<stringno>, <des>

BHA #	Size (in)	Model	IADC Codes		IADC Bit Dull
Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	Bit Hrs Out...	IADC Bit Dull

String Components

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company

Bottom Hole Cores

Core #	Type	Top (ftKB)	Btm (ftKB)	Recov (ft)	Wellbore

Leak Off and Formation Integrity Tests

Test Date	Last Casing String Run	P Surf Applied (psi)	Depth (ftKB)	Dens Fluid (lb/gal)	Leak off?

Schematic Annotations

Depth (ftKB)	Annotation

Production Failures

Failure Date	Failure Des	Fail Type	Cause	Resolved Date	Est Fail (Cost)