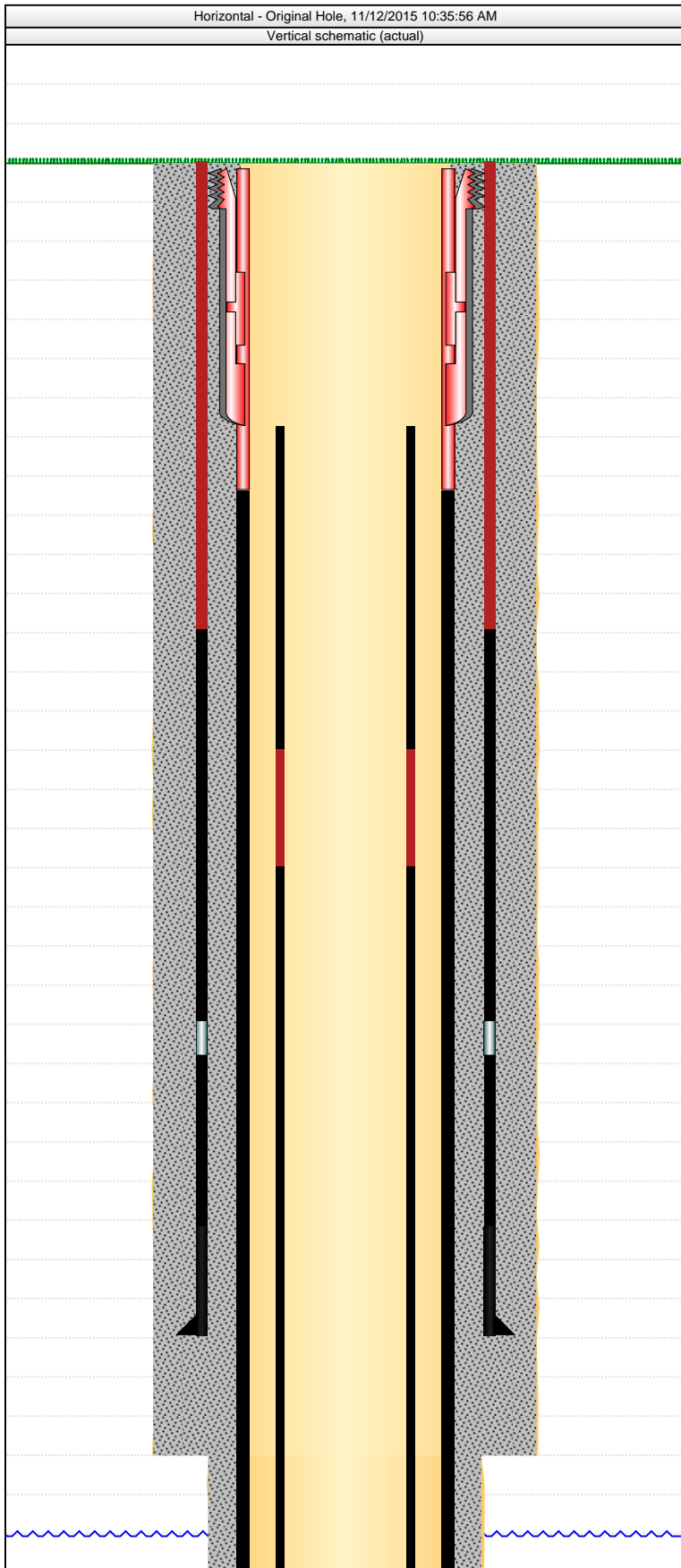


Complete Well Summary

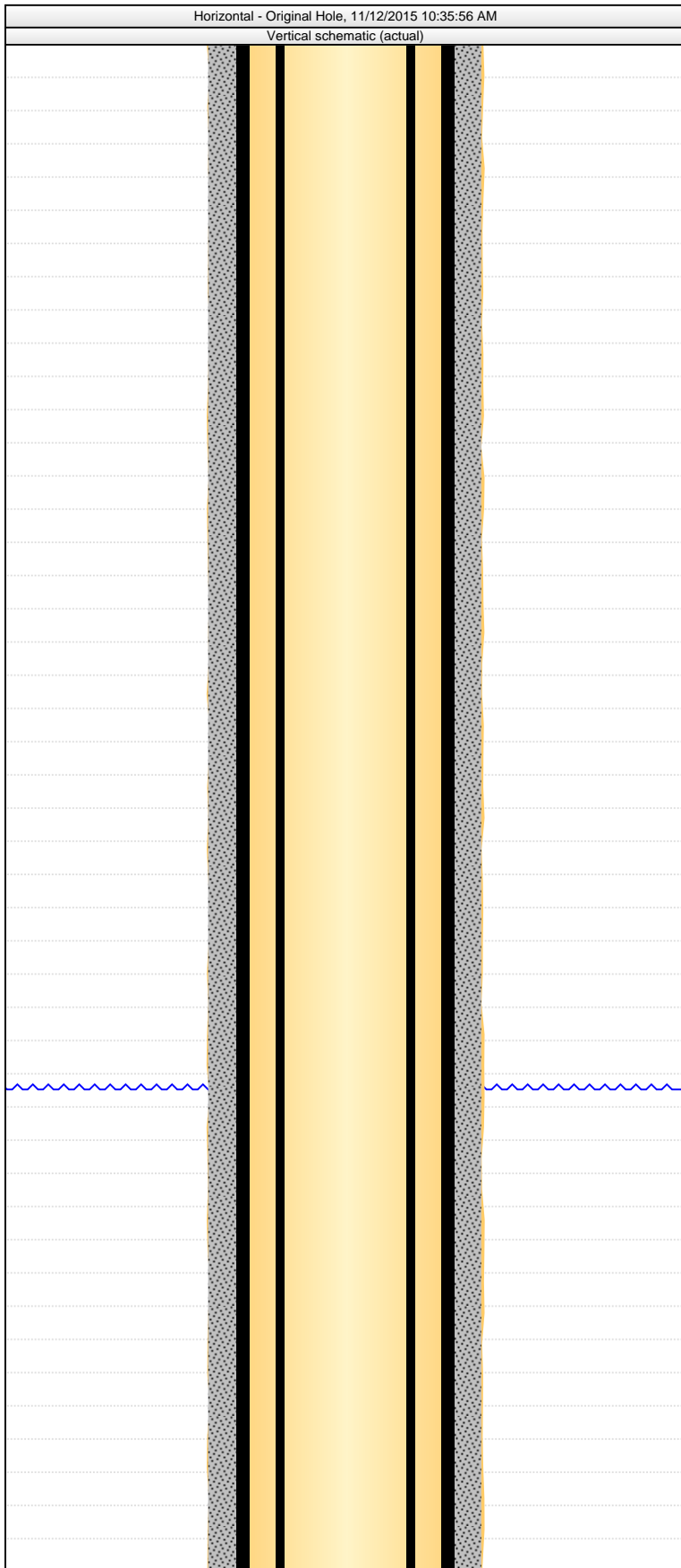
Sherley H-4-9HN



API/UWI 05-123-40900				Operator Bayswater Exploration & Production LLC			
Original KB Elevation (ft) 4,663.00		KB-Ground Distance (ft) 22.00		Spud Date 3/12/2015		Rig Release Date 5/31/2015	
Surface Legal Location				Latitude (°) 40° 26' 3.278" N		Longitude (°) 104° 40' 30.619" W	
Original Hole							
Wellbore API/UWI		Bottom Hole Legal Location		Profile Type Directional		VS Dir (°)	
Proposed Deviation Survey				Actual Deviation Survey Actual Surveys, Proposed? No			
Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
12 1/4		22.0		840.0			
8 3/4		840.0		7,534.0			
6 1/8		7,534.0		16,890.0			
Plug Back Total Depths							
Date	Depth (ftKB)	Method		Com			
Formations							
Formation Name	Geologic Age	Element Type	H2S Conc (%)		Final Top MD (ftKB)	Final Top (TVD) (ftKB)	
Deviation Surveys							
Date	Des		Proposed?		Definitive?		
3/12/2015	Actual Surveys		No		No		
Reservoirs							
Res Name		Top (ftKB)		Btm (ftKB)		Res Datum Depth (ft)	
Surface, 830.0ftKB							
Run Date 3/12/2015	Centralizers 8			Scratchers			Drift Mi...
OD (in)	Item Des	Btm (ftKB)	Jts	ID (in)	Wt (kips)	Grade	Top Thread
9 5/8	Wellhead	24.3	1	8.92	0.1	J-55	LT&C
9 5/8	Casing Pup Joint	27.8	1	8.92	0.1	J-55	LT&C
9 5/8	Casing Joints	785.9	18	8.92	27.3	J-55	LT&C
9 5/8	Float Baffle	786.0	1	8.92	0.0	J-55	LT&C
9 5/8	Casing Joints	828.2	1	8.92	1.5	J-55	LT&C
9 5/8	Float Guide Shoe	830.0	1	8.92	0.1	J-55	LT&C
Frac String, 6,622.0ftKB							
Run Date 9/3/2015	Centralizers			Scratchers			Drift Mi...
OD (in)	Item Des	Btm (ftKB)	Jts	ID (in)	Wt (kips)	Grade	Top Thread
4 1/2	Casing Joints	70.9	1	3.92	0.6	P-110	
4 1/2	Casing Pup Joint	80.6	1	3.92	0.1	P-110	
4 1/2	Casing Joints	6,601.6	144	3.92	88.0	P-110	
	Seal Assembly for PBR	6,622.0	1		0.0		
Intermediate, 7,524.0ftKB							
Run Date 3/26/2015	Centralizers			Scratchers			Drift Mi...
OD (in)	Item Des	Btm (ftKB)	Jts	ID (in)	Wt (kips)	Grade	Top Thread
7	Landing Jt.	22.1	0	6.18	0.0	P-110	
7	Casing Hanger	26.1	1	6.18	0.1	P-110	
7	Casing Joints	7,475.2	165	6.18	216.0	P-110	
7	Float Collar	7,476.5	1	6.18	0.0	P-110	
7	Casing Joints	7,521.7	1	6.18	1.3	P-110	
7	Float Shoe	7,524.0	1	6.18	0.1	P-110	
Production, 16,886.0ftKB							
Run Date 5/29/2015	Centralizers			Scratchers			Drift Mi...
OD (in)	Item Des	Btm (ftKB)	Jts	ID (in)	Wt (kips)	Grade	Top Thread
5 3/4	PBR - TIE BACK SLEEVE	6,638.9	1	5.25	0.0	P-110	
5 15/16	5" X 7" MODEL "TSP" LINER TOP PACKER	6,642.3	1	4.38	0.0	P-110	
5 15/16	5" X 7" MODEL "C" LINER HANGER	6,648.0	1	4.38	0.0	P-110	
5 9/16	5" VAM TOP HT box X 4.50" BTC pin CROSSOVER SUB	6,648.7	1	4.00	0.0	P-110	BTC
4 1/2	Casing Joints	6,691.1	1	3.92	0.0	P110	BTC
4 1/2	NCS Rupture Disk Sub	6,692.4	1		0.0	P110	BTC
4 1/2	Casing Joints	12,559.1	129	3.92	0.0	P110	BTC
6 1/8	Sleeve 30 Stage 31	12,562.2	1	3.54	0.0	P110	BTC
4 1/2	Casing Joints	12,700.0	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 29 Stage 30	12,703.1	1	3.47	0.0	P110	BTC
4 1/2	Casing Joints	12,839.4	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 28 Stage 29	12,842.4	1	3.39	0.0	P110	BTC
4 1/2	Casing Joints	12,980.8	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 27 Stage 28	12,983.8	1	3.32	0.0	P110	BTC

Complete Well Summary

Sherley H-4-9HN

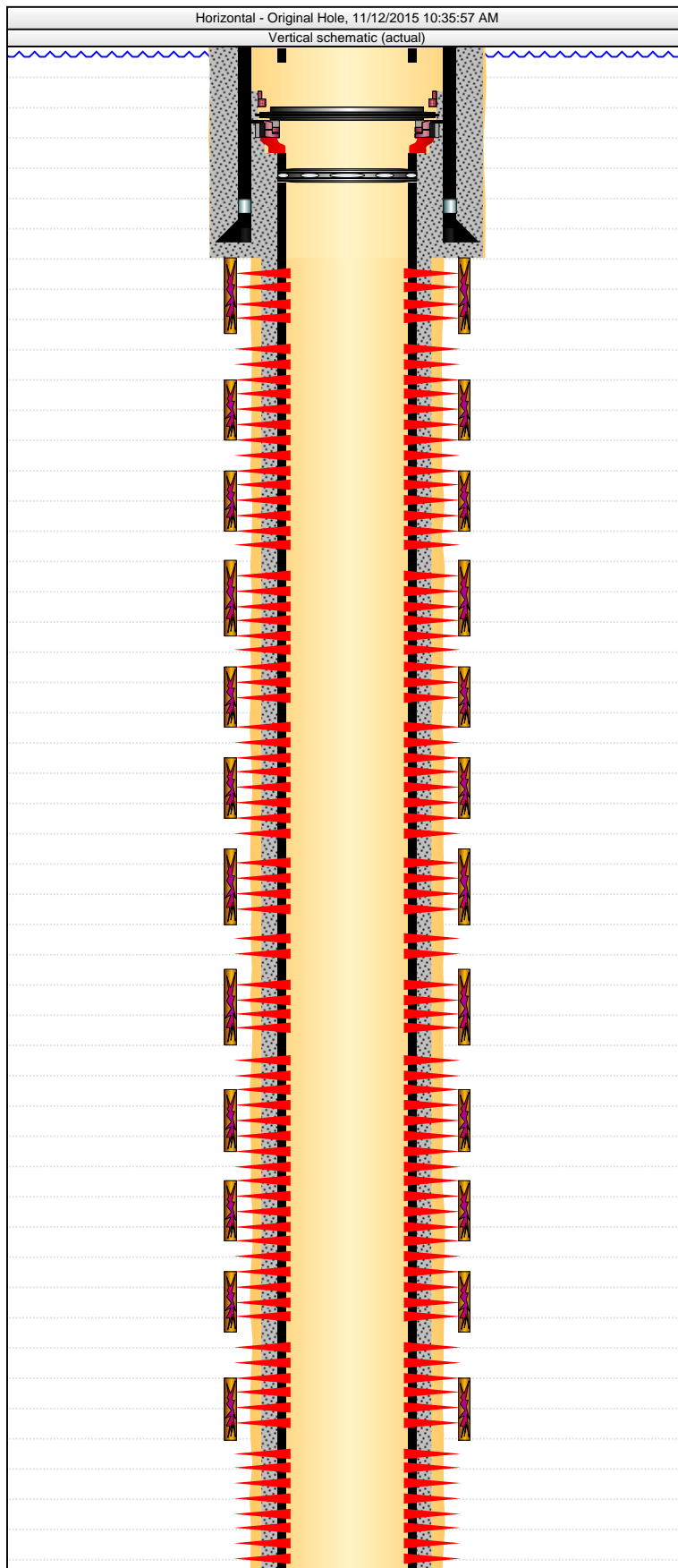


OD (in)	Item Des	Btm (ftKB)	Jts	ID (in)	Wt (kips)	Grade	Top Thread
4 1/2	Casing Joints	13,121.6	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 26 Stage 27	13,124.7	1	3.24	0.0	P110	BTC
4 1/2	Casing Joints	13,260.2	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 25 Stage 26	13,263.2	1	3.17	0.0	P110	BTC
4 1/2	Casing Joints	13,399.3	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 24 Stage 25	13,402.3	1	3.10	0.0	P110	BTC
4 1/2	Casing Joints	13,540.6	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 23 Stage 24	13,543.7	1	3.03	0.0	P110	BTC
4 1/2	Casing Joints	13,679.6	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 22 Stage 23	13,682.6	1	2.97	0.0	P110	BTC
4 1/2	Casing Joints	13,820.5	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 21 Stage 22	13,823.5	1	2.90	0.0	P110	BTC
4 1/2	Casing Joints	13,959.1	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 20 Stage 21	13,962.1	1	2.84	0.0	P110	BTC
4 1/2	Casing Joints	14,100.0	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 19 Stage 20	14,103.0	1	2.77	0.0	P110	BTC
4 1/2	Casing Joints	14,241.0	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 18 Stage 19	14,244.0	1	2.71	0.0	P110	BTC
4 1/2	Casing Joints	14,381.5	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 17 Stage 18	14,384.5	1	2.65	0.0	P110	BTC
4 1/2	Casing Joints	14,522.5	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 16 Stage 17	14,525.5	1	2.59	0.0	P110	BTC
4 1/2	Casing Joints	14,663.5	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 15 Stage 16	14,666.5	1	2.53	0.0	P110	BTC
4 1/2	Casing Joints	14,804.9	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 14 Stage 15	14,807.9	1	2.47	0.0	P110	BTC
4 1/2	Casing Joints	14,943.9	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 13 Stage 14	14,946.9	1	2.41	0.0	P110	BTC
4 1/2	Casing Joints	15,085.1	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 12 Stage 13	15,088.1	1	2.36	0.0	P110	BTC
4 1/2	Casing Joints	15,226.4	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 11 Stage 12	15,229.5	1	2.30	0.0	P110	BTC
4 1/2	Casing Joints	15,365.7	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 10 Stage 11	15,368.7	1	2.25	0.0	P110	BTC
4 1/2	Casing Joints	15,505.8	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 9 Stage 10	15,508.8	1	2.20	0.0	P110	BTC
4 1/2	Casing Joints	15,646.6	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 8 Stage 9	15,649.6	1	2.15	0.0	P110	BTC
4 1/2	Casing Joints	15,788.0	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 7 Stage 8	15,791.0	1	2.10	0.0	P110	BTC
4 1/2	Casing Joints	15,928.5	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 6 Stage 7	15,931.5	1	2.05	0.0	P110	BTC
4 1/2	Casing Joints	16,067.2	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 5 Stage 6	16,070.2	1	2.00	0.0	P110	BTC
4 1/2	Casing Joints	16,208.6	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 4 Stage 5	16,211.6	1	1.95	0.0	P110	BTC
4 1/2	Casing Joints	16,349.2	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 3 Stage 4	16,352.2	1	1.90	0.0	P110	BTC
4 1/2	Casing Joints	16,490.1	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 2 Stage 3	16,493.1	1	1.86	0.0	P110	BTC
4 1/2	Casing Joints	16,631.1	3	3.92	0.0	P110	BTC
6 1/8	Sleeve 1 Stage 2	16,634.1	1	1.81	0.0	P110	BTC
4 1/2	Casing Joints	16,777.0	4	3.92	0.0	P110	BTC
4 1/2	TD Toe Sleeve (11500 psi)	16,784.0	1	3.92	0.0	P110	BTC
4 1/2	Casing Joints	16,835.3	2	3.92	0.0	P110	BTC
4 1/2	PLB	16,836.8	1		0.0	P110	BTC
4 1/2	Casing Joints	16,882.9	1		0.0	P110	
4 1/2	Single Float Collar	16,884.0	1		0.0		
4 1/2	Double Float Shoe	16,886.0	1		0.0		

Surface Casing Cement, Casing, 3/13/2015 23:00							
Cementing Company Baker Hughes		Evaluation Method			Cement Evaluation Results		
Stg # 1	Description Surface Casing Cement				Top (ftKB) 22.0	Btm (ftKB) 830.0	Full Return? No
Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des	
Lead	TYPE III	250	1.40	10.20	157.0	Type III + 2% CACI2 + 0.25 #/sk celloflake + 0.6% antifoam	
Intermediate Casing Cement, Casing, 3/28/2015 07:00							
Cementing Company Baker Hughes		Evaluation Method			Cement Evaluation Results		
Stg # 1	Description Intermediate Casing Cement				Top (ftKB) 22.0	Btm (ftKB) 7,523.9	Full Return? No
Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des	
Lead	G	460	2.42	13.60	198.0	460 sx 35/65 Poz/G + 0.25 lb/sk celloflake + 0.1% R-3 + 0.7% FL- 52A + 0.15% SMS + 0.2% ASA 301 + 0.0% FL-66 + 0.02 lb/sk static free + 6% Bentonite II + 10 lb/sk CSE-2	

Complete Well Summary

Sherley H-4-9HN



Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des
Tail	G	230	1.22	5.37	50.0	230 sx 50/50 Poz/G + 0.3% CD-32 + 0.6% FL-52A + 0.3% FLS + 0.2% FL-66 + 2% Bentonite II

Production Casing Cement, Casing, 5/31/2015 09:00

Cementing Company Baker Hughes	Evaluation Method Returns to Surface	Cement Evaluation Results Last 20 bbls of mud flush had strong traces of cement
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Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Production Casing Cement	6,622.5	16,890.0	Yes

Fluid	Class	Amount (sacks)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Vol Pumped (bbl)	Fluid Des
Lead	G	580	2.06	10.30	212.8	50:50 Poz:Class G cement, 13.0 ppg, 2.06 yield
Displacement	None	0			212.4	Fresh water displacement with Cla-care and Alpha 1427

Other In Hole

OD (in)	Des	Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model
4	4 1/2" Composite Frac Plug	12,514.0	12,515.0	0.00		
4	4 1/2" Composite Frac Plug	12,314.0	12,315.0	0.00		
4	4 1/2" Composite Frac Plug	12,116.0	12,117.0	0.00		
4	4 1/2" Composite Frac Plug	11,905.0	11,906.0	0.00		
4	4 1/2" Composite Frac Plug	11,713.0	11,714.0	0.00		
4	4 1/2" Composite Frac Plug	11,512.0	11,513.0	0.00		
4	4 1/2" Composite Frac Plug	11,312.0	11,313.0	0.00		
4	4 1/2" Composite Frac Plug	11,116.0	11,117.0	0.00		
4	4 1/2" Composite Frac Plug	10,906.0	10,907.0	0.00		
4	4 1/2" Composite Frac Plug	10,711.0	10,712.0	0.00		
4	4 1/2" Composite Frac Plug	10,510.0	10,511.0	0.00		
4	4 1/2" Composite Frac Plug	10,310.0	10,311.0	0.00		
4	4 1/2" Composite Frac Plug	10,110.0	10,111.0	0.00		
4	4 1/2" Composite Frac Plug	9,909.0	9,910.0	0.00		
4	4 1/2" Composite Frac Plug	9,709.0	9,710.0	0.00		
4	4 1/2" Composite Frac Plug	9,509.0	9,510.0	0.00		
4	4 1/2" Composite Frac Plug	9,300.0	9,301.0	0.00		
4	4 1/2" Composite Frac Plug	9,108.0	9,109.0	0.00		
4	4 1/2" Composite Frac Plug	8,900.0	8,901.0	0.00		
4	4 1/2" Composite Frac Plug	8,707.0	8,708.0	0.00		
4	4 1/2" Composite Frac Plug	8,304.0	8,305.0	0.00		
4	4 1/2" Composite Frac Plug	8,106.0	8,107.0	0.00		
4	4 1/2" Composite Frac Plug	7,892.0	7,893.0	0.00		
4	4 1/2" Composite Frac Plug	7,705.0	7,706.0	0.00		

I-C-2, cameron on 3/13/2015 22:00

Start Date	Type	Make	WP (psi)	Size (in)	Overhaul Date
3/13/2015	I-C-2	cameron	5,000.0		

Vertical Components

Make	Model	Seal 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 - 810	Drilling - original	3/1/2015	5/31/2015

Drilling - original, 3/1/2015 00:00

AFE Number	AFE+Supp Amt (Cost)	Total Fid Est (Cost)	Total Final Invoice (Cost)
	6,904,492.00	1,754,642.05	

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)

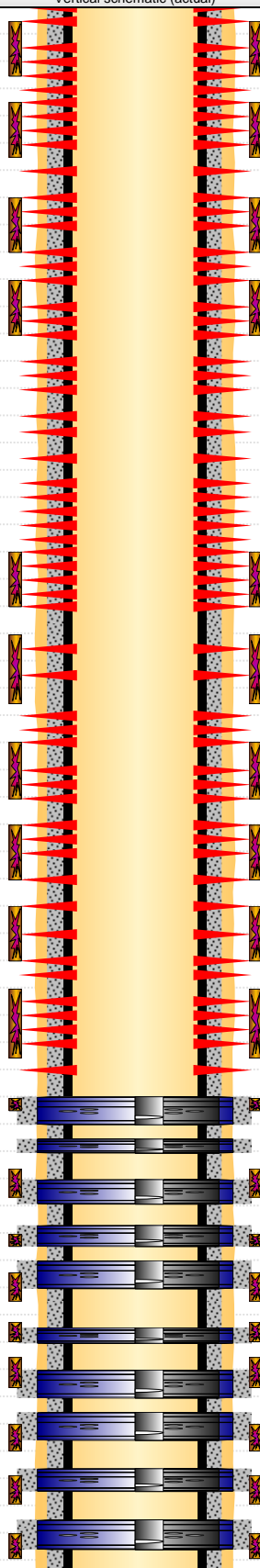
Job Contacts

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
Dave Pauling		Wellsite Supervisor		970.301.3515

Complete Well Summary

Sherley H-4-9HN

Horizontal - Original Hole, 11/12/2015 10:35:57 AM
Vertical schematic (actual)



Job Contacts

Contact Name	Company	Title	Office	Mobile
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		-----TD
Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	Bit Hrs Out...
22.0	840.0	818.00	5.50	5.50
String Components				
Reed E1038, Mud Motor - Bent Housing, Stabilizer, Pony Monel, UBHO, Pony Monel, Flex Monel, Flex Monel, HWDP				

BHA #2, Intermediate Assembly

BHA #	Size (in)	Model	IADC Codes	IADC Bit Dull
2	8 3/4	SDI611		-----TD
Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	Bit Hrs Out...
840.0	7,534.0	6,694.00	44.50	44.50
String Components				
Smith SDI611, Mud Motor - Bent Housing, Drill Collar - Pony, UBHO, Drill Collar - Pony, Drill Collar - Flex Non Mag, Drill Pipe, HWDP, Drill Pipe				

BHA #3, Lateral Assembly

BHA #	Size (in)	Model	IADC Codes	IADC Bit Dull
3	6 1/8	KH1516M-E		-----DTF
Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	Bit Hrs Out...
7,534.0	14,514.0	6,980.00	74.00	74.00
String Components				
Reed KH1516M-E, Mud Motor - Bent Housing, Stabilizer - Non Mag, NMDC/Pony Monel, UBHO, NMDC/Pony Monel, NMDC/Flex Monel, NMDC/Flex Monel, Filter Sub, XO Sub, Drill Pipe, Reamer/Ghost., Drill Pipe, Reamer/Ecc, Drill Pipe, XO Sub, Agitator/Shock sub, XO Sub, Drill Pipe, HWDP (4.0 in), Drill Pipe				

BHA #4, Lateral Assembly

BHA #	Size (in)	Model	IADC Codes	IADC Bit Dull
4	6 1/8	KH1516M-C		-----
Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Drill Time (hr)	Bit Hrs Out...
14,514.0	16,890.0	2,376.00	40.00	40.00
String Components				
Reed KH1516M-C, Mud Motor - Bent Housing, Stabilizer - Non Mag, NMDC/Pony Monel, UBHO, NMDC/Pony Monel, NMDC/Flex Monel, NMDC/Flex Monel, Filter Sub, XO Sub, Drill Pipe, Reamer/Ghost., Drill Pipe, Reamer/Ecc, Drill Pipe, XO Sub, Agitator/Shock sub, XO Sub, Drill Pipe, HWDP (4.0 in), Drill Pipe				

Initial Completion, 6/1/2015 00:00

Job Category	Primary Job Type	Start Date	End Date
Completion - 820	Initial Completion	6/1/2015	

Initial Completion, 6/1/2015 00:00

AFE Number	AFE+Supp Amt (Cost)	Total Fld Est (Cost)	Total Final Invoice (Cost)
		3,008,213.13	

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)	Planned Cum Days ML (days)	Planned End Depth (ftKB)

Job Contacts

Contact Name	Company	Title	Office	Mobile
Brad Bivens		Wellsite supervisor		970-630-1379
Caleb Brewer		Wellsite Supervisor		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...
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?

Complete Well Summary

Sherley H-4-9HN

Schematic Annotations

Depth (ftKB)		Annotation			
Production Failures					
Failure Date	Failure Des	Fail Type	Cause	Resolved Date	Est Fail (Cost)

Horizontal - Original Hole, 11/12/2015 10:35:59 AM
Vertical schematic (actual)

