

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305669	Ship To #: 3208925	Quote #:	Sales Order #: 900952576
Customer: STRAT LAND EXPL CO		Customer Rep: Noruiel, Donnie	
Well Name: Bell Family	Well #: 1H-2	API/UWI #: 15-025-21566	
Field:	City (SAP): ASHLAND	County/Parish: Clark	State: Kansas
Legal Description: Section 2 Township 34S Range 22W			
Lat: N 37.118 deg. OR N 37 deg. 7 min. 6.532 secs.		Long: W 99.677 deg. OR W -100 deg. 19 min. 24.33 secs.	
Contractor: Stratland		Rig/Platform Name/Num: H-40	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HAYNES, RANDY		Srvc Supervisor: OSBORN, JAMES	MBU ID Emp #: 518950

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
APPLEBEE, SCOTT Joy	13	521237	journagan, michael	13	524224	OSBORN, JAMES David	13	518950
simpson, curtis	13	557731	torres, clemente	13	344233			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/7/13	7	0	12/8/13	6	2			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Date	Time	Time Zone
	8810. ft		11378. ft	890. ft					07 - Dec - 2013	12:30	CST
									07 - Dec - 2013	17:00	CST
									08 - Dec - 2013	02:41	CST
									08 - Dec - 2013	04:35	CST
									08 - Dec - 2013	06:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12-1/4" Surface Open Hole				12.25					900.		
9-5/8" Surface Casing	Unknown	750	9.625	8.921	36.	8 RD (ST&C)	J-55		900.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,GID,9-5/8 8RD	1	EA		
CLR,FLT,TROPHY SEAL, 9-5/8 8RD	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	10	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		
SUGAR, GRANULATED, IMPERIAL	50	LB		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	hes
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	hes
Stage Tool										Centralizers			

HALLIBURTON

Cementing Job Summary

Miscellaneous Materials											
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	Conc %
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size	Qty
Fluid Data											
Stage/Plug #: 1											
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer				10.00	bbl	8.33	.0	.0	.0	
2	MC II Std - lead	MIDCON-2 CEMENT STANDARD - SBM (15078)			225.0	sacks	11.4	2.93	18.05		18.05
2 %		CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)									
18.05 Gal		FRESH WATER									
0.125 lbm		POLY-E-FLAKE (101216940)									
3	MC II Std, - Tail	MIDCON-2 CEMENT STANDARD - SBM (15078)			105.0	sacks	12.8	2.01	11.18		11.18
2 %		CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)									
11.178 Gal		FRESH WATER									
0.125 lbm		POLY-E-FLAKE (101216940)									
4	Water Base Mud				66.00	bbl	9.	.0	.0	.0	
5	200SKS W/CC ON THE SIDE	CMT - STANDARD CEMENT (100003684)			100.0	sacks	15.6	1.2	5.26		5.26
94 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)									
2 %		CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)									
5.258 Gal		FRESH WATER									
Calculated Values			Pressures			Volumes					
Displacement	65	Shut In: Instant		Lost Returns	0	Cement Slurry	154	Pad			
Top Of Cement	surface	5 Min		Cement Returns	0	Actual Displacement	65	Treatment			
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job			
Rates											
Circulating			Mixing			Displacement			Avg. Job		
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint							
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID				
The Information Stated Herein Is Correct				Customer Representative Signature <i>Don Horvath</i>							

The Road to Excellence Starts with Safety

Sold To #: 305669		Ship To #: 3208925		Quote #:		Sales Order #: 901017262							
Customer: STRAT LAND EXPL CO - EBUS				Customer Rep: Hall, Rick									
Well Name: Bell Family			Well #: 1H-2		API/UWI #: 15-025-21566								
Field:		City (SAP): ASHLAND		County/Parish: Clark		State: Kansas							
Legal Description: Section 2 Township 34S Range 22W													
Lat: N 37.118 deg. OR N 37 deg. 7 min. 6.532 secs.				Long: W 99.677 deg. OR W -100 deg. 19 min. 24.33 secs.									
Contractor: H-40 Drilling			Rig/Platform Name/Num: h-40										
Job Purpose: Cement Production Liner													
Well Type: Development Well				Job Type: Cement Production Liner									
Sales Person: HAYNES, RANDY			Srcv Supervisor: AGUILERA, FABIAN		MBU ID Emp #: 442123								
Job Personnel													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #		
AGUILERA, FABIAN J		13	442123	MONTROYA-MOLINAS, ARTHUR J		13	483764	PARRANTO, JEFFREY Mikle		13	543005		
SIMPSON, CURTIS Eugene		13	557731	TORRES, CLEMENTE		13	344233						
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
1/3/2014	6	0	1/4/2014	7	2								
TOTAL			Total is the sum of each column separately										
Job						Job Times							
Formation Name						Date	Time	Time Zone					
Formation Depth (MD) Top	8810. ft		Bottom	11378. ft		Called Out	03 - Jan - 2014	15:00	CST				
Form Type	BHST		180 degF		On Location	03 - Jan - 2014	19:00	CST					
Job depth MD	9848.1 ft		Job Depth TVD	9900. ft		Job Started	04 - Jan - 2014	02:29	CST				
Water Depth	Wk Ht Above Floor		5. ft		Job Completed	04 - Jan - 2014	04:39	CST					
Perforation Depth (MD) From			To			Departed Loc	04 - Jan - 2014	07:00	CST				
Well Data													
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft		
6-1/8" Production Open Hole				6.125				5862.	10128.				
4-1/2" Production Liner	Unknown		4.5	4.	11.6	8 RD (LT&C)	N-80	4900.	10128.				
7" Intermediate Casing	Unknown		7.	6.366	23.	Unknown	HCP110		5862.				
4" Drill Pipe	Unknown		4.	3.34	14.	XT-39			4900.				
Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			
Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	TUNED SPACER III	TUNED SPACER III - SBM (483826)	30.00	bbl	10.	.0	.0	.0		
38.32 gal/bbl		FRESH WATER								
59.8 lbm/bbl		BAROID 41 - 100 LB BAG (478096)								
2	Primary Cement	POZ PREMIUM 50/50 - SBM (12302)	400.0	sacks	13.8	1.46	6.93		6.93	
0.6 %		HALAD(R)-344, 50 LB (100003670)								
0.5 %		D-AIR 5000, 50 LB SACK (102068797)								
0.25 %		CFR-3, W/O DEFOAMER, 50 LB SK (100003653)								
0.05 %		HR-800, 50 LB SACK (101619742)								
6.925 Gal		FRESH WATER								
3	Water Spacer With CLA-WEB		112.00	bbl	8.33	.0	.0	.0		
0.5 gal/Mgal		CLA-WEB, 5 GALLON PAIL (102096063)								
Calculated Values			Pressures			Volumes				
Displacement	112 BBL	Shut In: Instant		Lost Returns	NO	Cement Slurry	104 BBL	Pad		
Top Of Cement	6015 FT.	5 Min		Cement Returns	NO	Actual Displacement	109 BBL	Treatment		
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job		
Rates										
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	90 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						
										