



ENCORE M 21 FEE 001

REVIEW - Daily Drilling Summary

HOBBS OCD
DEC 30 2016
RECEIVED

Set Casing Strings														
Csg Des	Run Date	Wellbore	OD (in)	ID Nom Min (in)	Grade	W/Len (lb/ft)	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	Centralizers					
PRODUCTION	11/2/2016	Original Hole	5 1/2		L-80	20.00	8,298.0	8,297.1						
Cement														
SURFACE CASING CEMENT, Casing, 10/23/2016 07:00														
Description	Cementing Start Date		Cementing End Date		String		Type		Cementing Company					
SURFACE CASING CEMENT	10/23/2016		10/23/2016		SURFACE, 1,193.0ftKB		Casing		ALLIED					
Cement Stages														
Description	String	Start Date	End Date	Stg #	Top (ftKB)	Btm (ftKB)	Top...	Btm...	P Plug Bu...	P Held (psi)	Plug...	Float...	Full...	Vol Cemen...
SURFACE CASING CEMENT	SURFACE, 1,193.0ftKB	10/23/2016 07:00	10/23/2016 11:19	1	21.0	1,193.0	No	No			No	No	No	
INTERMEDIATE CASING CEMENT, Casing, 10/26/2016 17:55														
Description	Cementing Start Date		Cementing End Date		String		Type		Cementing Company					
INTERMEDIATE CASING CEMENT	10/26/2016		10/27/2016		INTERMEDIATE, 4,537.0ftKB		Casing		ALLIED					
Cement Stages														
Description	String	Start Date	End Date	Stg #	Top (ftKB)	Btm (ftKB)	Top...	Btm...	P Plug Bu...	P Held (psi)	Plug...	Float...	Full...	Vol Cemen...
INTERMEDIATE CASING CEMENT	INTERMEDIATE, 4,537.0ftKB	10/26/2016 17:55	10/27/2016 02:15	1	21.0	4,537.0	No	No		600.0	No	No	Yes	60.0
PRODUCTION CASING CEMENT, Casing, 11/2/2016 09:38														
Description	Cementing Start Date		Cementing End Date		String		Type		Cementing Company					
PRODUCTION CASING CEMENT	11/2/2016		11/2/2016		PRODUCTION, 8,298.0ftKB		Casing		ALLIED					
Cement Stages														
Description	String	Start Date	End Date	Stg #	Top (ftKB)	Btm (ftKB)	Top...	Btm...	P Plug Bu...	P Held (psi)	Plug...	Float...	Full...	Vol Cemen...
PRODUCTION CASING CEMENT	PRODUCTION, 8,298.0ftKB	11/2/2016 09:38	11/2/2016 16:30	1	6,014.0	8,308.0	No	Yes	1,300.0	1,900.0	No	No	Yes	41.0
Description	String	Start Date	End Date	Stg #	Top (ftKB)	Btm (ftKB)	Top...	Btm...	P Plug Bu...	P Held (psi)	Plug...	Float...	Full...	Vol Cemen...
PRODUCTION CASING CEMENT	PRODUCTION, 8,298.0ftKB	11/2/2016 09:38	11/2/2016 16:30	2	0.0	6,014.0	No	Yes	1,900.0	3,500.0	No	No	Yes	11.0
Survey Data														
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	DLS (°/100ft)	EW (ft)	NS (ft)	Method						
400.00	0.27		400.00					Incl						
800.00	0.27		799.99					Incl						
1,265.00	0.80	320.20	1,264.99					Incl						
1,455.00	0.90	320.70	1,454.97		0.05			Incl						
1,644.00	1.00	327.30	1,643.94		0.08			Incl						
1,833.00	1.40	339.80	1,832.90		0.25			Incl						
2,022.00	0.80	11.20	2,021.86		0.44			Incl						
2,211.00	0.90	36.20	2,210.84		0.20			Incl						
2,400.00	1.40	36.20	2,399.81		0.26			Incl						
2,588.00	1.10	99.20	2,587.77		0.71			Incl						
2,777.00	1.20	98.90	2,776.73		0.05			Incl						
3,154.00	1.10	97.50	3,153.66		0.03			Incl						
3,342.00	1.10	96.00	3,341.62		0.02			Incl						
3,531.00	1.00	97.90	3,530.59		0.06			Incl						
3,720.00	1.10	102.30	3,719.56		0.07			Incl						
3,909.00	1.10	100.30	3,908.52		0.02			Incl						
4,097.00	1.10	88.30	4,096.49		0.12			Incl						
4,286.00	1.00	99.40	4,285.46		0.12			Incl						
4,475.00	0.90	97.00	4,474.43		0.06			Incl						
4,657.00	0.90	101.40	4,656.41		0.04			Incl						
4,847.00	0.70	100.00	4,846.39		0.11			Incl						
5,035.00	0.70	92.10	5,034.38		0.05			Incl						
5,224.00	0.70	86.10	5,223.36		0.04			Incl						
5,412.00	0.60	80.20	5,411.35		0.06			Incl						
5,655.00	0.70	76.00	5,654.33		0.05			Incl						
5,789.00	0.80	65.10	5,788.32		0.13			Incl						
5,978.00	0.70	67.20	5,977.31		0.05			Incl						
6,147.00	0.70	63.00	6,146.29		0.03			Incl						
6,356.00	0.60	65.00	6,355.28		0.05			Incl						
6,545.00	1.10	76.10	6,544.26		0.28			Incl						
6,733.00	0.50	54.80	6,732.24		0.35			Incl						
6,923.00	0.70	42.70	6,922.23		0.12			Incl						
7,111.00	0.80	34.70	7,110.21		0.08			Incl						



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Survey Data								
MD (ft)	Incl (°)	Azm (°)	TVD (ft)	VS (ft)	DLS (°/100ft)	EW (ft)	NS (ft)	Method
7,300.00	0.60	16.60	7,299.20		0.16			Incl
7,489.00	0.50	30.20	7,488.19		0.09			Incl
7,678.00	0.70	15.20	7,677.18		0.13			Incl
7,772.00	0.70	29.90	7,771.17		0.19			Incl
7,867.00	0.70	48.50	7,866.17		0.24			Incl
8,056.00	0.90	33.40	8,055.15		0.15			Incl
8,298.00	0.90	33.40	8,297.12		0.00			Incl

Daily Costs					
Cost Description	Cost Code	Vendor	Field Est (Cost)	Cum Field Est (Cost)	Note
RIG MOB/DEMOB	411104	NABORS DRILLING USA	11,475	11,475	NABORS M 58 & RIG WATCH
Cost Description	Cost Code	Vendor	Field Est (Cost)	Cum Field Est (Cost)	Note
COMPANY SUPERVISION	411150	TOTAL ENERGY SERVICES	3,400	14,875	
Cost Description	Cost Code	Vendor	Field Est (Cost)	Cum Field Est (Cost)	Note
CAMP	411107	OIL PATCH RENTAL (OPR)	230	15,105	
Cost Description	Cost Code	Vendor	Field Est (Cost)	Cum Field Est (Cost)	Note
WATER & HAULING	411124	BASIC ENERGY SERVICES LP	120	15,225	6 FRAC TANKS
Cost Description	Cost Code	Vendor	Field Est (Cost)	Cum Field Est (Cost)	Note
WATER & HAULING	411124	BASIC ENERGY SERVICES LP	14,368	29,593	