

FIELD TICKET

Client MERIT ENERGY COMPANY

Well HMU 205W

Job Description Long String

Date November 18, 2017



Field Ticket # FT-01068-BOM7X40202-07259

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Credit Approval #

Client MERIT ENERGY COMPANY

Purchase Approval #

PO BOX 1293, LIBERAL, 67905-1293 **Invoice #**

Field Rep Erik Chavez

Well HMU 205W

Field Client Rep Rodney Gonzalez

Well API # 15-055-22470

District Liberal, KS

Well Type

Job Type Long String

Well Classification

Job Depth (ft) 6,600.00

County USA

Gas Used On Job No

State/Province KS

Field

Lease

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		5,000 feet/1,201 -1,500 m					
S-100475	Cement head	EA	1.00	\$2,656.00	\$2,656.000	91.00	\$239.040
S-100002	Mileage - vehicle light weight	MI	100.00	\$10.72	\$1,072.000	91.00	\$96.480
S-100001	Mileage - vehicle heavy weight	MI	100.00	\$18.96	\$1,896.000	91.00	\$170.640
S-100004	Cement Crew Mobilization-Demobilizat on Fee	EA	2.00	\$10,880.00	\$21,760.000	91.00	\$1,958.400
Service Subtotal:					\$36,047.04		\$5,492.88

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MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100022	CEMENT, CLASS H	SK	86.0000	\$50.27	\$4,323.22	76.00	\$1,037.57
L100495	SALT, Sodium Chloride, Medium	LB	1,795.0000	\$0.57	\$1,023.15	76.00	\$245.56
L100120	EXTENDER, BENTONITE	LB	495.0000	\$2.08	\$1,029.60	76.00	\$247.10
20000018	CFL-210	LB	124.0000	\$22.72	\$2,817.28	76.00	\$676.15
L100294	LOST CIRCULATION, LCM-1	LB	1,405.0000	\$4.00	\$5,620.00	76.00	\$1,348.80
L100295	IntegraSeal CELLO	LB	71.0000	\$5.76	\$408.96	76.00	\$98.15
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	1,339.0000	\$0.72	\$964.08	76.00	\$231.38
20000002	CD-100	LB	29.0000	\$9.35	\$271.15	76.00	\$65.08
L101196	FP-25, Dry Foam Preventer (BJS Only)	LB	50.0000	\$14.52	\$726.00	76.00	\$174.24
L100317	CEMENT, FLY ASH (POZZOLAN)	SK	86.0000	\$25.68	\$2,208.48	76.00	\$530.04
L398117	IntegraGuard ULTRA II	BBL	24.0000	\$234.85	\$5,636.40	76.00	\$1,352.74
L100019	CEMENT, CLASS A	SK	110.0000	\$43.34	\$4,767.40	76.00	\$1,144.18
L014007	Float Shoe - circulating diff. type, 5-1/2 in.	EA	1.0000	\$545.00	\$545.00	76.00	\$130.80
L017421	Latch Down Plug & Assembly, 5-1/2 in.	EA	1.0000	\$660.00	\$660.00	76.00	\$158.40
L017348	STAGE TOOL,CEM,5-1/2"N80,8RD-L	EA	1.0000	\$11,495.00	\$11,495.00	76.00	\$2,758.80
L017116	Collars and Cement Baskets, 5-1/2 in.	EA	1.0000	\$395.00	\$395.00	76.00	\$94.80
Product Material Subtotal:					\$42,890.72		\$10,293.79

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100282	Cementing - Job Site Cancel Chg	HR	6.00	\$411.84	\$2,471.040	0.00	\$2,471.040
S-100052	Cement pump charge, 4,001-	6/HR	1.00	\$6,192.00	\$6,192.000	91.00	\$557.280

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FIELD ESTIMATES

TOTAL GROSS AMOUNT \$78,937.760
TOTAL % DISC 80.001
TOTAL NET AMOUNT \$15,786.653

Arrive Location
Client Rep.

Well	HMU 205W
AFE	55333
GL	83001075
Office	Garden City
Date	11-18-17

Service Order

I authorize work to begin per service instructions in accordance with the terms and conditions printed on the following pages of this form and represent that I have authority to accept and sign this order.

Service receipt

I certify that the materials and services listed were received and all services performed in a workmanlike manner.

BJ REPRESENTATIVE

Erik Chavez

CLIENT AUTHORIZED AGENT

Rodney Gonzalez



Cementing Treatment



Start Date	11/18/2017	Well	HMU 205W
End Date	11/18/2017	County	Finney
Client	MERIT ENERGY COMPANY	State/Province	KS
Client Field Rep	Rodney Gonzalez	API	15-055-22470
Service Supervisor		Formation	
Field Ticket No.	Production	Rig	
District	Liberal, KS	Type of Job	Long String

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	7.88			5,000.00	5,000.00	30.00		
Casing	4.89	5.50	17.00	4,963.00	4,963.00		J-55	LTC
Previous Casing	8.10	8.63	24.00	1,430.00	1,430.00		J-55	LTC

Shoe Length (ft): 42

HARDWARE

Bottom Plug Used?	Yes	Tool Type	DV Tool
Bottom Plug Provided By	BJ	Tool Depth (ft)	4,178.67
Bottom Plug Size	5.500	Max Tubing Pressure - Rated (psi)	
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By	BJ	Max Casing Pressure - Rated (psi)	
Top Plug Size	5.500	Max Casing Pressure - Operated (psi)	
Centralizers Used	No	Pipe Movement	None
Centralizers Quantity		Job Pumped Through	Manifold
Centralizers Type		Top Connection Thread	LTC
Landing Collar Depth (ft)	4,958	Top Connection Size	5.5

CIRCULATION PRIOR TO JOB

Cementing Treatment



Final Displacement				
Displacement	2nd Stage	8.3400	0.0000	97.6000
Final Displacement				

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	UltraFlush	IntegraGuard ULTRA II	100.00	PCT
Spacer / Pre Flush / Flush	UltraFlush	IntegraGuard ULTRA II	100.00	PCT
Tail Slurry	Second Stage Tail	CEMENT, CLASS A	100.00	PCT
Tail Slurry	Second Stage Tail	LOST CIRCULATION, LCM-1	5.00	LBS/SK
Tail Slurry	Second Stage Tail	SALT, Sodium Chloride, Medium	10.00	BWOW
Tail Slurry	Second Stage Tail	IntegraSeal CELLO	0.25	LBS/SK
Tail Slurry	Second Stage Tail	EXTENDER, BENTONITE	2.00	BWOB
Tail Slurry	Second Stage Tail	CFL-210	0.50	BWOB
Tail Slurry	Second Stage Tail	CEMENT EXTENDER, GYPSUM, A-10	6.00	BWOB
Tail Slurry	Second Stage Tail	FP-25, Dry Foam Preventer (BJS Only)	0.20	BWOB
Tail Slurry	First Stage Tail	CEMENT, CLASS H	50.00	PCT
Tail Slurry	First Stage Tail	SALT, Sodium Chloride, Medium	10.00	BWOW
Tail Slurry	First Stage Tail	LOST CIRCULATION, LCM-1	5.00	LBS/SK
Tail Slurry	First Stage Tail	IntegraSeal CELLO	0.25	LBS/SK
Tail Slurry	First Stage Tail	EXTENDER, BENTONITE	2.00	BWOB
Tail Slurry	First Stage Tail	CEMENT EXTENDER, GYPSUM, A-10	5.00	BWOB
Tail Slurry	First Stage Tail	CFL-210	0.50	BWOB
Tail Slurry	First Stage Tail	CD-100	0.20	BWOB
Tail Slurry	First Stage Tail	FP-25, Dry Foam Preventer (BJS Only)	0.20	BWOB
Tail Slurry	First Stage Tail	CEMENT, FLY ASH (POZZOLAN)	50.00	PCT
Top-Out / Scavenger Slurry	Mouse hole/Rat hole Plug	SALT, Sodium Chloride, Medium	10.00	BWOW
Top-Out / Scavenger	Mouse hole/Rat hole	CEMENT, CLASS H	50.00	PCT

Cementing Treatment



Displaced By	BJ	Amount of Cement Returned/Reversed	
Calculated Displacement Volume (bbls)	120.00	Method Used to Verify Returns	
Actual Displacement Volume (bbls)	120.00	Amount of Spacer to Surface	
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	No	Amount Bled Back After Job	0.50
Bump Plug Pressure (psi)		Total Volume Pumped (bbls)	228.60
Were Returns Planned at Surface	No	Top Out Cement Spotted	No
Cement returns During Job		Lost Circulation During Cement Job	No

CEMENT PLUG

Bottom of Cement Plug?	Yes	Wiper Balls Used?	No
Wiper Ball Quantity		Plug Catcher	No
Number of Plugs			

SQUEEZE

Injection Rate (bpm)		Fluid Density (ppg)	
Injection Pressure (psi)		ISIP (psi)	
Type of Squeeze		FSIP (psi)	
Operators Max SQ Pressure (psi)			

COMMENTS

Treatment Report

Job Summary