

FIELD TICKET

Client MERIT ENERGY COMPANY

Well Circle 28-2

Job Description Plug & Abandon

Print Date September 05, 2018

Field Ticket # FT-10728-N6W8T30201-865137058



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Credit Approval #

Client MERIT ENERGY COMPANY

Purchase Approval #

PO BOX 1293, LIBERAL, 67905-1293

Invoice #

Field Rep Edgar Rodriguez

Well Circle 28-2

Field Client Rep Rodney Gonzales

Well API # 15-055-22496

District Liberal, KS

County Finney

Job Type Plug & Abandon

State/Province KS

Job Depth (ft) 1,830.00

Field

Gas Used On Job No

Lease

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MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100295	IntegraSeal CELLO	LB	84.0000	\$5.76	\$483.84	45.00	\$266.11
L488168	CEMENT, ASTM TYPE I	SK	102.0000	\$44.11	\$4,499.22	45.00	\$2,474.57
L100317	CEMENT, FLY ASH (POZZOLAN)	SK	68.0000	\$25.68	\$1,746.24	45.00	\$960.43
L100120	EXTENDER, BENTONITE	LB	585.0000	\$2.08	\$1,216.80	45.00	\$669.24
Product Material Subtotal:					\$7,946.10		\$4,370.36

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100002	Mileage - vehicle light weight	MI	50.00	\$10.72	\$536.000	90.00	53.600
S-100584	Additional Hours	EA	2	\$2720.00	\$5440.000	91.00	490.003
S-100004	Cement Crew Mobilization-Demobilization Fee	EA	1.00	\$10,880.00	\$10,880.000	90.00	1,088.000
S-100050	Cement pump charge, 2,001-3,000 feet/ 601-900 m	4/HR	1.00	\$5,040.00	\$5,040.000	90.00	504.000
S-100001	Mileage - vehicle heavy weight	MI	50.00	\$18.96	\$948.000	90.00	94.800
Service Subtotal:					\$18,844.00		\$2,230.40

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FIELD ESTIMATES

TOTAL GROSS AMOUNT \$26,790.100
TOTAL % DISC 75.361%
TOTAL NET AMOUNT \$6,600.758

Arrive Location

Client Rep.

Well	Circle 28-2
AFE	61991
GL	8300 1075
Office	Garden City
Date	9-5-18

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

Edgar Rodriguez

CLIENT AUTHORIZED AGENT

Rodney Gonzales

EVENT LOG



Customer Name: MERIT ENERGY COMPANY

Well Name: Circle 28-2

Job Type: Plug & Abandon

Quote ID: QUO-18888-V3G3H6

Plan ID: ORD-10728-N6W8T3

Execution ID: EXC-10728-N6W8T302

District: Liberal, KS

BJ Supervisor: Edgar Rodriguez

Seq.	Start Dt./Time	Event	Equipment	Density (ppg)	Pump Rate (bpm)	Pump Vol(bbls)	Pipe Pressure(psi)	Comments
1	09/04/2018 19:00	Arrive on Location						ARRIVE ON LOCATION / PULLING DP & COLLARS
2	09/04/2018 19:00	Safety Meeting						STEACS BRIEFING
3	09/04/2018 19:10	Spot Units						SPOT EQUIPMENT
4	09/04/2018 19:20	Safety Meeting						STEACS BRIEFING
5	09/04/2018 19:30	Rig Up						RIG UP GROUND
6	09/04/2018 20:00	Customer						RIG GOING BACK IN WITH DRILLPIPE TO SET PLUG
7	09/04/2018 20:00	Customer						DRILLPIPE AT DESIRED DEPTH
8	09/04/2018 21:45	Rig Up						RIG UP FLOOR
9	09/04/2018 21:55	Safety Meeting						STEACS BRIEFING
10	09/04/2018 22:05	Other (See comment)						1ST PLUG @1830'

EVENT LOG



11	09/04/2018 22:05	Pump Spacer		8.3000	2.50	3.00	100.00	PUMP SPACER
12	09/04/2018 22:07	Pumping Cement		13.8000	2.50	12.70	130.00	50 SKS 60/40 POZ CLASS A
13	09/04/2018 22:12	Pump Displacement		8.7000	3.00	22.00	100.00	MUD DISPLACEMENT
14	09/04/2018 22:18	Other (See comment)						PULL DRILL PIPE
15	09/04/2018 23:08	Other (See comment)						2ND PLUG @950'
16	09/04/2018 23:10	Pumping Cement		13.8000	3.00	12.70	80.00	50 SKS 60/40 POZ CLASS A
17	09/04/2018 23:15	Pump Displacement		8.3000	3.00	10.00	80.00	WATER DISPLACEMENT
18	09/04/2018 23:18	Other (See comment)						PULL DRILLPIPE / KELLY LINE / MOUSE & RAT HOLE READY
19	09/05/2018 00:20	Other (See comment)						3RD PLUG @60'
20	09/05/2018 00:21	Pumping Cement		13.8000	2.50	5.00	50.00	20 SKS 60/40 POZ CLASS A
21	09/05/2018 00:23	Other (See comment)						PULL LAST JOINTS OF DRILLPIPE
22	09/05/2018 00:35	Other (See comment)						RAT & MOUSE HOLES
23	09/05/2018 00:35	Pumping Cement		13.8000	3.00	12.70	50.00	50 SKS 60/40 POZ CLASS A
24	09/05/2018 00:40	Clean Pumps and Lines		8.3000				CLEAN LINES AND PUMPS
25	09/05/2018 01:00	End Pumping						END JOB
26	09/05/2018 01:00	Safety Meeting						STEACS BRIEFING
27	09/05/2018 01:05	Rig Down						RIG DOWN
28	09/05/2018 01:35	Leave Location						CREW LEAVE LOCATION

Cementing Treatment



Start Date	9/4/2018	Field Ticket#	
End Date	9/5/2018	Well	Circle 28-2
Client	MERIT ENERGY COMPANY	API#	15-055-22496
Client Field Rep.	Rodney Gonzales	Well Classification	
Service Sup.	Edgar Rodriguez	County	Finney
District	Liberal, KS	State/Province	KS
Type of Job	Plug & Abandon	Formation	
Execution ID	EXC-10728-N6W8T302	Rig	Duke #9
Project ID	PRJ1010472		

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	7.88	0.00	0.00	1,830.00	3,000.00			
Drill Pipe	3.83	4.50	16.60	1,830.00	3,000.00			

Shoe Length (ft):

HARDWARE

Bottom Plug Used?	No	Tool Type	
Bottom Plug Provided By		Tool Depth (ft)	
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	No	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By		Max Casing Pressure - Rated (psi)	1,000.00
Top Plug Size		Max Casing Pressure - Operated (psi)	100.00

Cementing Treatment



Centralizers Used	No	Pipe Movement	None
Centralizers Quantity		Job Pumped Through	No Manifold
Centralizers Type		Top Connection Thread	8RD
Landing Collar Depth (ft)	0	Top Connection Size	4.5

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	
Circulation Time (min)	10.00	10 min SGS	
Circulation Rate (bpm)	3.00	30 min SGS	
Circulation Volume (bbls)	50.00	Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)		Gas Units	
Mud Density Out (ppg)			
PV Mud In			
PV Mud Out			
YP Mud In			
YP Mud Out			

TEMPERATURE

Ambient Temperature (°F)	75.00	Slurry Cement Temperature (°F)	70.00
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Cementing Treatment



Mix Water Temperature (°F)

70.00

Flow Line Temperature (°F)

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Lead Slurry	Plug 1	13.8000	1.4277	6.88		0	50	72.0000	12.7000
Lead Slurry	Plug 2	13.8000	1.4277	6.88		0	50	72.0000	12.7000
Lead Slurry	Plug 3	13.8000	1.4272	6.89		0	20	29.0000	5.1000
Lead Slurry	Mouse/Rat Hole Plug	13.8000	1.4277	6.88		0	50	72.0000	12.7000

Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	Plug 1	CEMENT, ASTM TYPE I	60.0000	PCT
Lead Slurry	Plug 1	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Lead Slurry	Plug 1	IntegraSeal CELLO	0.5000	LBS/SK
Lead Slurry	Plug 1	EXTENDER, BENTONITE	4.0000	BWOB
Lead Slurry	Plug 2	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Lead Slurry	Plug 2	IntegraSeal CELLO	0.5000	LBS/SK
Lead Slurry	Plug 2	EXTENDER, BENTONITE	4.0000	BWOB
Lead Slurry	Plug 2	CEMENT, ASTM TYPE I	60.0000	PCT
Lead Slurry	Plug 3	CEMENT, ASTM TYPE I	60.0000	PCT
Lead Slurry	Plug 3	EXTENDER, BENTONITE	4.0000	BWOB
Lead Slurry	Plug 3	IntegraSeal CELLO	0.5000	BWOB
Lead Slurry	Plug 3	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT
Lead Slurry	Mouse/Rat Hole Plug	EXTENDER, BENTONITE	4.0000	BWOB
Lead Slurry	Mouse/Rat Hole Plug	CEMENT, FLY ASH (POZZOLAN)	40.0000	PCT

Cementing Treatment



Lead Slurry	Mouse/Rat Hole Plug	IntegraSeal CELLO	0.5000 LBS/SK
Lead Slurry	Mouse/Rat Hole Plug	CEMENT, ASTM TYPE I	60.0000 PCT

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
	Plug 1	0.00	12.70			
	Plug 2	0.00	12.70			
	Plug 3	0.00	5.10			
	Mouse/Rat Hole Plug	0.00	12.70			
		Min		Max		Avg
Pressure (psi)		100.00		130.00		70.00
Rate (bpm)		2.50		3.00		2.50

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	0.00
Calculated Displacement Volume (bbls)		Method Used to Verify Returns	
Actual Displacement Volume (bbls)		Amount of Spacer to Surface	0.00
Did Float Hold?	No	Pressure Left on Casing (psi)	0.00
Bump Plug	No	Amount Bled Back After Job	0.00
Bump Plug Pressure (psi)	0.00	Total Volume Pumped (bbls)	80.00
Were Returns Planned at Surface	No	Top Out Cement Spotted	No
Cement returns During Job	None	Lost Circulation During Cement Job	No

Cementing Treatment



CEMENT PLUG

Bottom of Cement Plug?	No	Wiper Balls Used?	No
Wiper Ball Quantity		Plug Catcher	No
Number of Plugs	3.00		

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 LOG ATTACHED

Job Summary

JOB LOG ATTACHED