

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1469

Date	7-14-19	Sec.	18	Twp.	15	Range	12	County	Wabaunsee	State	Ks.	On Location		Finish	10:30 AM
Location								Allen - 7 N to 390 rd, 2E to N Rd,							
Lease	Waugh B			Well No.	4			Owner	1 1/2 - 2 N, E H into S to Rig						
Contractor	Discovery 2							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface														
Hole Size	10 1/4"			T.D.	307'			Charge To	John G Farmer						
Csg.	8 5/8"			Depth	307'			Street							
Tbg. Size				Depth				City State							
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	15'			Shoe Joint	15'			Cement Amount Ordered 180 Com 3% cc 2% gel							
Meas Line				Displace	18 1/2 Bbs										
<b>EQUIPMENT</b>								Common 18.0							
Pumptrk	16	No.		Cementer	Rick			Poz. Mix							
				Helper											
Bulktrk	21	No.		Driver	Doug			Gel. 3							
				Driver											
Bulktrk		No.		Driver				Calcium 6							
				Driver											
<b>JOB SERVICES &amp; REMARKS</b>								Hulls							
Remarks:	Cement did			Circulate			Salt								
Rat Hole							Flowseal								
Mouse Hole							Kol-Seal								
Centralizers							Mud CLR 48								
Baskets							CFL-117 or CD110 CAF 38								
D/V or Port Collar							Sand								
							Handling 169								
							Mileage								
<b>FLOAT EQUIPMENT</b>															
							Guide Shoe								
							Centralizer								
							Baskets								
							AFU Inserts								
							Float Shoe								
							Latch Down								
							Pumptrk Charge Surface								
							Mileage 80								
<b>Signature</b>								Tax							
<i>Mike Whit</i>								Discount							
								Total Charge							

# QUALITY OILWELL CEMENTING, INC.

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Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1505

Date	7-20-19	Sec.	18	Twp.	15	Range	12	County	Wabaunsee KS	State	KS	On Location		Finish	9:15 AM
Location								Alan KS 170.390 RD 2E N/ RD 1 1/2 N E into							
Lease	Waugh B			Well No.			4								
Contractor	Discovery #2			Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	Production String			Charge To J.O. Farmer											
Hole Size	7 7/8			T.D.			3100								
Csg.	5 1/2 14#			Depth			3097								
Tbg. Size				Depth											
Tool				Depth			The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	35'			Shoe Joint			35'								
Cement Amount Ordered								200 <sup>com</sup> 10/ salt 5/ Gilsonite							
Meas Line	Displace			74 3/4 B/L			500 gal mud Clear 20 B/L KCL								
EQUIPMENT												Common 200			
Pumptrk	16	No.	Cement	Craig			Poz. Mix								
			Helper	David			Gel.								
Bulktrk		No.	Driver	Tom/L			Calcium								
Bulktrk	9	No.	Driver				Hulls								
JOB SERVICES & REMARKS												Salt 17			
Remarks:															
Rat Hole	30SK			Flowseal											
Mouse Hole	Kol-Seal 900#														
Centralizers	Mud CLR 48 500 gal														
Baskets	CFL-117 or CD110 CAF 38														
D/V or Port Collar	Sand														
5 1/2 sets @ 3097. Balls @ 3062								Handling 226							
Est. Circulation - Pump 500 gal mud								Mileage							
Clear of 10 B/L KCL. Plug Rathole w/								FLOAT EQUIPMENT							
30SK - Cement 5 1/2 with 170SK.								Guide Shoe							
Clear lines & Displace Plug. 1 1/2								Centralizer 2							
9 B/L KCL.								Baskets 1							
Lift pressure 700#								AFU Inserts							
Plug land @ 1500#								Float Shoe 1							
								Latch Down 1							
								Pumptrk Charge prod string							
								Mileage 80							
Signature												Tax			
Total Charge												Discount			

Thanks  
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X Signature *Mike B. [unclear]*