

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. 1317

Date	5-22-19	Sec.	30	Twp.	9	Range	19	County	Rooks	State	Ks	On Location		Finish	8:00 Am
Location								Zurich 3W to Rd 7 1 N 1/2 E							

Lease	STAHL	Well No.	2-30	Owner	To Quality Oilwell Cementing, Inc.
Contractor	MURFIN DRIG	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	Top Stage	Charge To	Paterson Energy		
Hole Size	7 7/8	T.D.			
Csg.		Depth			
Tbg. Size		Depth			
Tool	DV TOOL	Depth	1570'	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	Cement Amount Ordered 300 SK 8970 QMDC 1/9 Flt		

Meas Line Displace 36 1/2 bl/100

EQUIPMENT				Common	300/80/20
Pumptrk	#5	No.	Cementer Tony D	Poz. Mix	
			Helper		
Bulktrk	9	No.	Driver Craig	Gel.	
			Driver Doug		
Bulktrk	15	No.	Driver Tony L	Calcium	
			Driver		

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole	30 SK	Flowseal 75 #
Mouse Hole	15 SK	Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar	# 52 1570'	Sand
		Handling 300
		Mileage

Open tool w/ #500 Brak Circ.
Plug Act + Mouse Hole
Hook to 5 1/2 Csg. mix 300 SK
Sitat Down Drop plug
Displaced to 36 1/2 bls.
Release + Held

Close tool w/ #1500

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	prod string	Top Stage
Mileage	38	
Signature	Jim Weathers	Tax
		Discount
		Total Charge

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No. 1316

Date	5-22-19	Sec.	30	Twp.	9	Range	19	County	Rooks	State	KS	On Location		Finish	6:30 AM
Location								Zurich 3w to Rd 7 1N 1/2 E							

Lease	STAHL	Well No.	2-30	Owner	To Quality Oilwell Cementing, Inc.
Contractor	MURFIN DRUG	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	Long String DV Bottom				
Hole Size	Bottom Stage T.D.	Charge To	Patterson Energy		
Csg.	17" New 5 1/2	Depth	3701.62	Street	
Tbg. Size		Depth		City	State
Tool	DV TOOL	Depth	1570'	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	20.06'	Cement Amount Ordered	150 com 10% salt 5% gel

Meas Line	Displace	H2O/mud	350-2720	500 gal mud
		85 1/2 %		

EQUIPMENT			Common	10 BBL KCL	150
Pumptrk	#5	No. Cementer Helper Tony P	Poz. Mix	KCL	1 Gal
Bulktrk	9	No. Driver Craig	Gel.		
Bulktrk	15	No. Driver Doug	Calcium		
		No. Driver Tony L			

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt 13
Rat Hole		Flowseal
Mouse Hole		Kol-Seal 750#
Centralizers	1, 3, 5, 8, 10	Mud CLR 48 500 gal
Baskets		CFL-117 or CD110 CAF 38
DV or Port Collar	11, 52, 71	Sand
		Handling 170
		Mileage

FLOAT EQUIPMENT	
Pipe on Bottom break circulation pump 500 gal mud clear + 10 bl KCL	Guide Shoe
pump 150 sk Cement shut down	Centralizer 5
WASH pump + lines, Displace w H2O + mud - Release + Hold.	Baskets 3
	AFU Inserts
	Float Shoe 1
	Latch Down DV TOOL 1 LD

High pressure # 800	
Land Plug # 1700	
Open Tool w # 500	
Break Circulation	Bottom stage
	Pumptrk Charge prod string
	Mileage 38

X Signature: <i>Jim Wambler</i>	Tax
	Discount
	Total Charge