

QUALITY WELL SERVICE, INC.

6885

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish	
7-21-13	5	26S	11W	PRATT	Ks			
Lease	CLARK FRALEY		Well No.	2-5		Location		
Contractor		Pickwell Drilling, Reg 10		Owner		To Quality Well Service, Inc.		
Type Job		SURFACE		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size	12 1/4	T.D.	350'	Charge To				DEUTSCH OIL CO.
Csg.	8 7/8	Depth	349'	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.	25	Shoe Joint		Cement Amount Ordered				325 sc 60/40 2% CEL
Meas Line		Displace	20.4 Bbls	EQUIPMENT				3% CL 1/2" CE
Pumptrk	8	No.	FS	Common				195
Bulktrk	10	No.	MKS	Poz. Mix				130
Bulktrk		No.		Gel.				5
Pickup		No.	TOOD	Calcium				10
JOB SERVICES & REMARKS				Hulls				
Rat Hole				Salt				
Mouse Hole				Flowseal				163
Centralizers				Kol-Seal				
Baskets				Mud CLR 48				
DNV or Port Collar				CFL-117 or CD110 CAF 38				
Ran 7 hrs 8 7/8 23' csg set @ 344				Sand				
csg on bottom				Handling				340
Hook up to csg break circ.				Mileage				20
Pump 10 Bbls H ₂ O				8 7/8 FLOAT EQUIPMENT				
MIS & Pump 325 sc 60/40				Guide Shoe				WOODEN PLUG
2% CEL 3% CL 1/2" CE				Centralizer				
SHUT DOWN RELEASE 8 7/8 WOODEN PLUG				Baskets				
DISP 20.4 Bbls total				AFU Inserts				
Close valve on csg 200' 3:55 A.M				Float Shoe				
Circ OK thru DB				Latch Down				
Circ OK TO PT				SERVICE SUPERVISOR				
Thank you				LMM 20				
PLEASE CALL AGAIN				Pumptrk Charge				SURFACE
TOOD TS MK				Mileage				20
Signature				Tax				
				Discount				
				Total Charge				

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Energy services, L.P.

PROP CASING

TREATMENT REPORT

Customer: <i>Deutsche Oil</i>	Lease No.:	Date: <i>7-27-18</i>
Lease: <i>CLARK FRALEY</i>	Well #: <i>#2-5</i>	
Field Order #:	Station: <i>Pratt</i>	Casing: <i>5 1/2</i>
		Depth: <i>10420</i>
Type Job: <i>2 47 5% Long string</i>	Formation:	Legal Description: <i>S 26 S 11 W</i>
		County: <i>Pratt</i>
		State: <i>KS</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	<i>175 SW A1-7</i>	RATE	PRESS	ISIP
<i>5 1/2</i>	<i>4 1/2</i>			Pre Pad	<i>10% salt 5/100</i>	Max	<i>390</i>	<i>5 Min.</i>
Depth	Depth	From	To	Pad	<i>35 60/4</i>	Min		<i>10 Min.</i>
<i>10420</i>	<i>10420</i>			Frac		Avg		<i>15 Min.</i>
Volume	Volume	From	To			HHP Used		Annulus Pressure
<i>17.7</i>				Flush	<i>96.8</i>	Gas Volume		Total Load
Max Press	Max Press	From	To					
<i>1300</i>								
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					
<i>10420</i>								

Customer Representative: *DAV FAMILY* Station Manager: *WESTMAN* Treater: *MATTHEW*

Service Units	<i>83353</i>	<i>7496</i>	<i>19843</i>	<i>19903</i>	<i>19860</i>				
Driver Names	<i>MATTHEW</i>	<i>PATRICK</i>		<i>ADRIAN</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:50</i>					<i>ON LOCATION / CASING DEGRADING</i>
<i>2:49</i>					<i>RUN 5 1/2 17# casing / shot 200</i>
					<i>BASED ON TUBING</i>
					<i>TRIP TO 10420 275 BBL</i>
<i>4:25</i>					<i>CRING ON BOTTOM</i>
<i>4:40</i>					<i>HOW TO CRING / BREAK CRING W. CRING</i>
<i>6:49</i>	<i>150</i>		<i>10</i>	<i>5</i>	<i>PUMP 12 bbl. MUD WASH</i>
<i>5:51</i>	<i>150</i>			<i>5</i>	<i>PUMP 3 bbl. water</i>
<i>5:58</i>	<i>200</i>			<i>5.5</i>	<i>MIX 175 SW A1-7 PAD CASE</i>
<i>6:05</i>			<i>4</i>	<i>3</i>	<i>WASH PUMP / CRING / PUMP PLUG</i>
<i>6:09</i>	<i>100</i>			<i>6</i>	<i>START DEGRADING</i>
<i>6:20</i>	<i>200</i>		<i>60</i>	<i>6</i>	<i>CRING PRESSURE</i>
<i>6:27</i>	<i>420</i>			<i>3</i>	<i>STOP CRING</i>
<i>6:35</i>	<i>1500</i>		<i>96.8</i>		<i>PLUG DOWN / (1 x 10420 + 4-11)</i>
					<i>CRING THIS JOB</i>
<i>6:40</i>			<i>7</i>		<i>PLUG RAT HOLE</i>
					<i>JOB COMPLETE</i>
					<i>THANK YOU</i>
					<i>MATTHEW</i>
					<i>DAV FAMILY</i>