

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. 1193

Date 2-25-15	Sec. 36	Twp. 24	Range 13	County Stafford	State Ks	On Location	Finish 7:00 AM
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Lease East Kirkpatrick unit Location 281 & 50 Jct - 3E to 30 Rd, 25
Well No. 1 Owner to 20 Rd 1/2 E

Contractor Southwind 2 To Quality Oilwell Cementing, Inc.
Type Job Surface You are hereby requested to rent cementing equipment and furnish
Hole Size 12 1/4" T.D. 757' Charge To HD Exploration
Csg. 8 5/8" Depth 755' 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. 17.40' Shoe Joint 17.40' Cement Amount Ordered 400 60/40 3% CC 2% Gel
Meas Line Displace 47 PLS 1/4 # Fls 500

EQUIPMENT

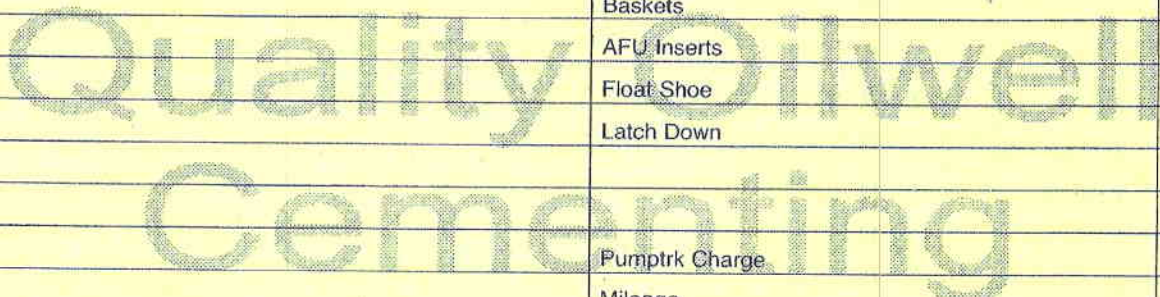
Pumptrk 20	No.	Cementer	Billy	Common
		Helper		Poz. Mix
Bulktrk 21	No.	Driver	had	Gel.
		Driver		Calcium
Bulktrk p.u.	No.	Driver	Rock	Hulls
		Driver		Salt

JOB SERVICES & REMARKS

Remarks: Cement did Circulate
Rat Hole
Mouse Hole
Centralizers
Baskets
D/V or Port Collar
Sand
Handling
Mileage

FLOAT EQUIPMENT

Guide Shoe Baffle plate
Centralizer Rubber plug
Baskets
AFU Inserts
Float Shoe
Latch Down



Pumptrk Charge
Mileage
Signature: *Tom R...*
Tax
Discount
Total Charge

BASIC

energy services, L.P.

Ticket # 12301 A.

TREATMENT REPORT

Customer HHD Exploration LLC		Lease No.		Date	
Lease East Kirkwood tract		Well # 1		3/7/15	
Field Order # 12301A	Station Pratt KS	Casing 5 1/2	Depth 4192	County Stafford	State KS
Type Job 3/4 Lrg Slurry CNW			Formation	Legal Description 36 24 15	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 4192	Depth	From	To	Pre Pad	Max			5 Min.
Volume 99	Volume	From	To	Pad	Min			10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg			15 Min.
Well Connection 5 1/2	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative C. Caldwell Roberts	Station Manager Kevin Bradley	Treater Scott Edwards
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Service Units	27463	19460	35926						
Driver Names	Shannon	Kevin	Scott						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					On location Safety Meeting Picking
7:30					Ran that equipment Broken until 7
					Trucks 4, 5, 7, 9, 11, 13, 15
9:30					Truck Calculation 1 hour
10:19	300			4.5	Run 200 FC1 1100
10:23	500		20	4.5	Run 1000 1100 1100 1100
10:26	500		12	5	Run 1100 1100 1100
10:27	400		3	5.5	Run 150 500 500 500 500
10:55	0		41.2		Shut down
					Check pump & lines clean
10:40	20			5.5	Release Plug shut Displacement
10:53	300		76	5.7	1100 Pressure
10:56	500		14	3	Reduce Rate
11:00	700		10	3	Plug located
11:00	1500				Pressure up on plug
11:01	0				Release pressure NO Returns
11:05	0		8	2.5	Run 1000 1100 1100 1100
11:10	0		6	2.5	Plug 2000 1100 1100 1100 1100
					Shut down 11:10 11:10 11:10