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Cement plugs -

LL CEMENTING, INC.

REF. INVOICE # 7572

LOCATION Wells Ranch

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-9-11	Wells Ranch AA 24-00	24	EN	6.5N	Weld	

OWNER TO: Noble	OWNER
MAILING ADDRESS	OPERATOR: Noble
CONTRACTOR	CONTRACTOR: Cack Rg 22
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION: 11:20 am	TIME LEFT LOCATION: 7:15 pm

WELL DATA			PRESSURE LIMITATIONS		
WELL SIZE 12 1/4	DRILL PIPE 4 1/2	PERFORATIONS		THEORETICAL	INSTRUCTED
100% DEPTH 671	DRILL PIPE 126	SHOTS FT	SURFACE PRE ANNUUS LOGS		
PBTD 626	DRILL PIPE 2012	INTERFERENCE	STIMUL		
CASING ID 8 7/8	DRILL PIPE Good	DRILL PIPE	TRAMP		
CASING DEPTH		TREATMENT SA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT 24 lb	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN RPM	
CASING CONDITION			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN - CIRCULATING: 0 psi	AVERAGE: 0 psi	TYPE OF TREATMENT		TREATMENT RATE	
FINAL DISPLACEMENT: 0 psi	ISD: 0 psi	[] SURFACE PIPE		BREAKDOWN BPM	
ANNUUS: 0 psi	5 MIN SP: 0 psi	[] PRODUCTION CASING		INITIAL BPM	
MAXIMUM: 0 psi	15 MIN SP: 0 psi	[] SQUEEZE CEMENT		FINAL BPM	
MINIMUM: 0 psi		[] ACID BREAKDOWN		MINIMUM BPM	
		[] ACID STIMULATION		MAXIMUM BPM	
		[] ACID SPOTTING		AVERAGE BPM	
		[] MISC PUMP		HYD HP = RATE X PRESSURE X 0.143	
		OTHER: N/A			

DISTRIBUTE PRIOR TO JOB: Rig up, Safety meeting, Air Company Man, 8 1/2" Plug, Circ 60 bbls H₂O, Mix + pump 90' Sacks, 20.35 bbls Slurry at 15.2 lbs / 27 yield, Displace 3 Sacks to 300', 2 1/2" Plug, Break Circ, Mix + pump 30 sacks, 6.78 bbls Slurry at 15.2 lbs / 27 yield, Displace 1 bbl to 14", Top off Rat Hole Mouse hole with 10 sacks, 2.26 bbls Slurry at 15.2 lbs / 27 yield, Wash up, Rig down,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting 12:45 pm, Circ 60 bbls H₂O to clean cone H₂O out of hole, Cement 1:25 pm, 90 SKs, 20.35 bbls Slurry, Displace to 300', Displace 3 Sacks H₂O up to 300', Start Pull Pipe 1:34 pm, End Pull Pipe 2:54 pm, 2 1/2" Plug Break Circ 4 bbls 7:24 pm, Cement 7:26 pm, Displace 74 SKs 16.73 bbls Slurry, Displace 1.56 up to 14" bbls, Start Pull Pipe 7:41 pm, End Pull Pipe 1:48 pm, Mix + pump 10 sacks 5 for Rat Hole + 5 for Mouse hole 8:19 pm

USED 174 SKs, 39.35 bbls SLURRY

S. Biggs

DATE: 1-9-11

DATE

DATE

LL Cementing, Inc. warrants that the work was performed in accordance with the work order, including all specifications on the work order, and that the work was performed in accordance with the work order, including all specifications on the work order, and that the work was performed in accordance with the work order, including all specifications on the work order.