

MUD-CO / SERVICE MUD INC.

155 North Market, Suite 1050 / Wichita, KS 67202 / 316-264-2814

DRILLING MUD REPORT REPORT NO. 8

DATE 1-25-1998 DEPTH 4980

API WELL NO. STATE COUNTY

OPERATOR Lebsack Oil Prod	CONTRACTOR Abercrombie	RIG NO. 8
ADDRESS Rig	ADDRESS Rig	SPUD DATE 1-17-98
REPORT FOR MR. Wayne Lebsack	REPORT FOR MR. Tony Martin	SECTION, TOWNSHIP, RANGE 14-21-35W

WELL NAME AND NO. #1-14 CRH	FIELD OR BLOCK NO.	COUNTY KEARNY	STATE KANSAS
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OPERATION	CASING	MUD VOLUME (BBL)	CIRCULATION DATA
PRESENT ACTIVITY DRILL	SURFACE 8 5/8 IN. at 255 FT.	HOLE PITS 348 500	PUMP SIZE X IN. 5 1/2 15
BIT SIZE (IN.) NO. 7 7/8 2	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME 848	ANNULAR VEL. (FT./MIN.) OPPOSITE DP. 193
DRILL PIPE SIZE TYPE 4 1/2 XH	PRODUCTION OR LINER IN. at FT.	IN STORAGE	OPPOSITE COLLAR 314
DRILL COLLAR LENGTH SIZE 6 1/4 407	MUD TYPE Chemical		BBL/STROKE STROKE/MIN 1.131 58
			CIRCULATING PRESSURE PSI 1000
			BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.) 49+
			BBL./MIN. 7.0

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowline Temperature °F	MUD PROPERTIES	DAILY COST 104.25	CUMULATIVE COST 4,823.73
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Time Sample Taken AM PM	11:20		
Depth (ft)	4980		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)	9.4		
Mud Gradient (psi/ft)	4.88		
Funnel Viscosity (sec/qt) API at _____ °F	49		
Plastic Viscosity cp at _____ °F	10		
Yield Point (lb/100 sq ft)	21		
Gel Strength (lb/100 sq ft) 10 sec/10 min	16/25	1	1
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	9.0		
Filtrate API (ml/30 min)	11.2		
Cake Thickness 32nd in API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>	2		
Alkalinity, Mud (P _m)			
Alkalinity, Filtrate (P _f /M _f)	Te	1	1
Salt <input type="checkbox"/> ppm <input type="checkbox"/> gpg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> gpg	7,000		
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	120		
Sand Content (% by Vol)			
Solids Content (% by Vol)	7.4		
Oil Content (% by Vol)			
Water Content (% by Vol)	92.6		
L.C.M. #/bbl			
Preservative #/bbl			

MUD PROPERTIES SPECIFICATIONS to Log		
WEIGHT 9.2 - 9.3	VISCOSITY 50 ±	FILTRATE 8-10
BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR <input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER		

MATERIALS RECOMMENDED

Suggest:

Day tour today - 40 bbls fresh water
40 bbls pit mud
1 sx Soda Ash
2 sx Lig White
2 sx Cobalt
1 sx Pac
Thicken with Gel

(Add over 2 hrs prior to coming out to Log)

1. Circulate hole clean for log + DST's

Keep hole full on all trips

MUD ON HAND/USED	MUD ON HAND/USED
32 Premium Gel	P-10L
11 Soda Ash	PHPA
6 Caustic Soda	2 Drispac
9 Super Lig	79 C/S Hulls
4 Lime	Multi Seal
	1 Co Poly L

Thanks

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE Jim Wiesner	HOME ADDRESS GREAT BEND	TELEPHONE PH 316 793-7957
MOBILE UNIT	WAREHOUSE LOCATION GARDEN CITY	TELEPHONE 275-1784