

DRILLING MUD REPORT

CHECK NO. 6

DATE 5-14-1966

COMPANY RuPE & E. T. L. CONTRACTOR MARCH DALLAS CO.
 REPORT FOR MR. RuPE REPORT FOR MR. RuPE
 ADDRESS Wichita, Kans. ADDRESS Plainville, Kans.
 WELL NO. KIN 3 LOCATION NE Ellis COUNTY Ellis TOTAL DEPTH ft.

Last casing 1 1/2 in. @ 160 ft. Bit Size 7 1/2 in. Calculated Annular Velocity 150 Ft./min. Mud Cycle 60+ Min.

CASING PROGRAM: Surface in. @ ft., Intermediate in. @ ft. Production in. @ ft.

Mud in Pits 290 Bbl. Mud in Hole 312 Bbl. Total Mud 602 Bbl. Circulating Press 400 #/in² Hydraulic Pressure 580 #/in²

Pumps: Make Oilwell Model P-14 Size 6 1/2 x 14 Bbl./Stroke 2.166 Strokes/min. 60 Output 10 Bbls./min.

Bit Size Make Bit Type Jet Size Depth Out Feet Drilled Hours Run

Drill Pipe Size: 4 1/2 Wt. T. J. Size Type Drill Collar Length O. D. x I.D. x Weight 1000# RPM 90

Sample from: Flowline ☒ Pit ☐	Mud Properties		Mud		TOUR	
Flowline Temperature <u> </u> °F	Mud Type: <u> </u>		Contains		TREATMENT	
Time Sample Taken <u>A.M.</u>	<u>11:30</u>		☐ Magcobar	SX		
Depth (ft.) <u> </u>	<u>3895</u>		☒ Magcogel	SX	<u>1 Part</u>	
Weight ☒ (lb./gal.) ☐ (lb./cu. ft.) <u> </u>	<u>10.1</u>		☐ High Yield Clay	SX		
Funnel Viscosity (sec./qt.) <u> </u>	<u>41.0</u>		☐ Magcophos	SX		
Viscosity (cps.) at <u> </u> °F <u> </u>	<u>25</u>		☐ Quebracho	SX		
Plastic Viscosity (cps.) <u> </u>	<u>14</u>		☐ Spersene	SX		
Yield Point (lb./100 sq. ft.) <u> </u>	<u>11</u>		☐ XP-20	SX		
Gel Strength—Initial (lb./100 sq. ft.) <u> </u>	<u>5</u>		☐ TannAthine	SX		
Gel strength 10 min. (lb./100 sq. ft.) <u> </u>	<u>14</u>		☐ Caustic Soda	SX		
pH—Strip ☒ Beckman ☐ <u> </u>	<u>6.5</u>		☒ My-Lo-Jel	SX		<u>6 sacks Day Tour.</u>
Water Loss (cc. in 30 min.) <u> </u>	<u>14.6</u>		☐ Magco CMC	SX		
Cake Thickness (32nd) <u> </u>	<u>3/8</u>		☐ Bit Lube ☐ D-D	cans		
P—Alkalinity (Pf) <u> </u>			☐ Magco-Mul	cans		
Salt— ☒ ppm ☐ gpg Chloride— ☒ ppm ☐ gpg <u> </u>	<u>9.670</u>	<u>58,000</u>	☐ Nut Plug	SX		
P mud—c.c. <u> </u>			☐ Magco-Mica	SX		
Calcium—ppm ☒ <u> </u>	<u>2340</u>		☐ Soda Ash	SX		
Gyp (lb./bbl.) <u> </u>			☒ H.C.M. - 2.5" PER BBL - THIS CHECK.			
Solids Content (% by Vol.) <u> </u>	<u>18.70</u>		☐ SALT AER - 3 PARTS.			
Sand Content (% by Vol.) <u> </u>	<u>1.70</u>					
Oil Content (% by Vol.) <u> </u>	<u>3.70</u>					
API HT-HP Water Loss (cc/30 min.) <u> </u>			☐ Oil	bbl		
<u>PRES. - Nil</u>						

REMARKS—Give operation, depth and nature of any problems encountered:

1. CON. TOOL VISCOSITY 41-43 SEC. PER QT.
2. CON. TOOL WEIGHT 10# PER. BAR. - WITH TH WATER.
3. KEEP H.C.M. IN SYSTEM - 3.5# PER. BARREL.
4. KEEP HOLE FULL ON ALL TRIPS.

- ☐ Tight hole @
☐ Sloughing Shale @
☐ Lost Returns @

THANK YOU

Magcobar Engineer W. J. McGinnis
 Address Plainville, Mo.

Phone WE-4-2057

WITSE-Plainville-MO-44511

DRILLING MUD REPORT

CHECK NO. 1DATE 5-15-1966

COMPANY RUPP & SONS CONTRACTOR Marion Dale Co.
 REPORT FOR MR. RUPP REPORT FOR MR. BoDine
 ADDRESS Wichita, Kans. ADDRESS Plainville, Kans.
 WELL NO. KINE #3 LOCATION NE Ellis COUNTY Ellis TOTAL DEPTH _____ ft.
 Last casing 2 1/2 in. @ 160 ft. Bit Size 7 1/2 in. Calculated Annular Velocity 140 Ft./min. Mud Cycle 60+ Min.
 CASING PROGRAM: Surface _____ in. @ _____ ft., Intermediate _____ in. @ _____ ft. Production _____ in. @ _____ ft.
 Mud in Pits 290 Bbl. Mud in Hole 814 Bbl. Total Mud 604 Bbl. Circulating Press 400 #/in² Hydraulic Pressure 480 #/in²
 Pumps: Make Bilwell Model 7-12 Size 6 3/4 x 12 Bbl./Stroke 0.166 Strokes/min. 60 Output 10 Bbls./min.
 Bit _____ Size _____ Make _____ Bit Type _____ Jet Size _____ Depth Out _____ Feet Drilled _____ Hours Run _____
 Drill Pipe Size: 4 1/2 Wt. _____ T. J. Size _____ Type _____ Drill Collar Length _____ O. D. x ID. _____ x _____ Weight _____ 1000# RPM 90

Sample from: Flowline ☒ Pit ☐	Mud Properties		Mud	TOUR	
Flowline Temperature _____ °F	Mud Type: _____		Contains	TREATMENT	
Time Sample Taken <u>A.M.</u>	<u>11:00</u>		☐ Magcobar	SX	
Depth (ft.)	<u>3917</u>		☒ Magcogel	SX	<u>1 PART</u>
Weight ☒ (lb./gal.) ☐ (lb./cu. ft.)	<u>9.3</u>		☐ High Yield Clay	SX	
Funnel Viscosity (sec./qt.)	<u>42</u>		☐ Magcophos	SX	
Viscosity (cps.) at _____ °F	<u>26</u>		☐ Quebracho	SX	
Plastic Viscosity (cps.)	<u>15</u>		☐ Spersene	SX	
Yield Point (lb./100 sq. ft.)	<u>11</u>		☐ XP-20	SX	
Gel Strength—Initial (lb./100 sq. ft.)	<u>4</u>		☐ TannAthin	SX	
Gel strength 10 min. (lb./100 sq. ft.)	<u>14</u>		☐ Caustic Soda	SX	
pH—Strip ☒ Beckman ☐	<u>6.5</u>		☒ My-Lo-Jel	SX	<u>6 SACKS DAY TOUR</u>
Water Loss (cc. in 30 min)	<u>16.8</u>		☐ Magco CMC	SX	
Cake Thickness (32nd)	<u>28.1</u>		☐ Bit Lube ☐ D-D	cans	
P—Alkalinity (Pf)			☐ Magco-Mul	cans	
Salt— ☐ ppm ☐ gpg Chloride— ☐ ppm ☐ gpg	<u>9.4%</u>	<u>57,100</u>	☐ Nut Plug	SX	
P mud—c.c.			☐ Magco-Mica	SX	
Calcium—ppm ☒	<u>2280</u>		☐ Soda Ash	SX	
Gyp (lb./bbl.)			☒ H.C.M. - 3.4 PER. BBL-THIS CHECK.		
Solids Content (% by Vol.)	<u>17%</u>		☐		
Sand Content (% by Vol.)	<u>4%</u>		☒ SALT AER-3 PARTS		
Oil Content (% by Vol.)	<u>3.5%</u>		☐		
API HT-HP Water Loss (cc/30 min.)			☐		
<u>PRAS: NIL</u>			☒ Oil	bbl	

REMARKS—Give operation, depth and nature of any problems encountered:

- CIRC.
- ☐ Drilling @ 1. CONTROL VISCOSITY 41-43 SEC. PER. QT.
- ☐ Salt water flow @ 2. CONTROL WEIGHT 10.4 PER. GAL. - WITH WATER.
- ☐ Gas kick @ 3. KEEP H.C.M. in SYSTEM - 3.5 PER. BARREL.
- ☐ Stuck pipe @ 4. KEEP HOLE FULL ON ALL TRIPS.
- ☐ Tight hole @
- ☐ Sloughing Shale @
- ☐ Lost Returns @
- THANK YOU

Daily Cost

Cumulative Cost

Mud Engineer

Address

Phone

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W. J. Droggins
Plainville, Kansas

NE-4-2057