



# Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442. Gillette, Wyo. 307 682-5478  
 Hays, Ks. 913 625-6313 Liberal, Ks. 316 624-7682



API Form 47-1

## DRILLING MUD REPORT

Report No. 1

Date 8-1 1973 Depth 390

API Well No.	State	County	Well	S/T

OPERATOR <u>Chen Rope</u>	CONTRACTOR <u>STERLING DRILL</u>	Rig No.
Address <u>Wichita</u>	Address <u>STERLING KANS</u>	Spud Date
Report For Mr. <u>Foley</u>	Report For Mr.	Section, Township, Range
Well Name And No. <u>VANDRA #1</u>	Field Or Block No.	County, Parish, or Offshore Area <u>Ellsworth</u>
		State or Province <u>KANS</u>

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
Present Activity		Surface		Hole	Pits	Pump Size	x	In.	Annular Vel. (Ft./Min.)
Bit Size (In.)	No.	In. at	Ft.	Total Circulating Volume		Pump Make			Opposite DP
Drill Pipe Size	Type	In. at	Ft.	In Storage		Model			Opposite Collar
Drill Collar Size	Length	Production Or Liner				BBL/Stroke	Stroke/Min		Circulating
		In. at	Ft.						Pressure PSI
						BBL/Min.			Bottoms Up (Min.)
		MUD TYPE <u>STARCH</u>							System
									Total (Min.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowing Temperature °F	MUD PROPERTIES		
	Time Sample Taken	<u>3:00</u>	
Depth (ft.)			
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)			
Mud Gradient (psi/ft.)			
Funnel Viscosity (sec./qt.) API at °F			
Plastic Viscosity cp at °F			
Yield Point (lb./100 sq. ft.)			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>1</u>	<u>1</u>	<u>1</u>
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter			
Filtrate API (ml/30 min.)			
API HP-HT Filtrate (ml/30 min.) °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>			
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (Pf/Mf)	<u>1</u>	<u>1</u>	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> ppg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> ppg			
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)			
Sand Content (% by Vol.)			
Solids Content (% by Vol.)			
Oil Content (% by Vol.)			
Water Content (% by Vol.)			
Methylene Blue Capacity (me./ml mud)			

EQUIPMENT							
	Size	Hrs/Tour		Size	Hrs/Tour		
Centrifuge				Desilter			
Degasser				Shaker			
Desander				Other			
Daily Cost				Cumulative Cost			

MUD PROPERTIES SPECIFICATIONS		
Weight	Viscosity	Filtrate
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor		
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other		

TOUR TREATMENT	
Premium Gel	<u>SUGGEST @ 800'</u>
Salt Mud	<u>Set AND clean pits</u>
Starch	<u>9000 ADD 50# Pps @</u>
Preservative	<u>Flo-line RAISE VIS -</u>
Soda Ash	<u>30/0 34 5/8 T WITH SALT</u>
Super Lig	<u>Gel. ADD HULLS FOR FILLER</u>
Caustic Soda	<u>2 TO 3 # PPL. MIX 20</u>
L.C.M.	<u>SACKS STARCH SLOWLY</u>
	<u>ADD 10 GAL SUN-MUL</u>

Remarks SUGGEST BT 1000 VIS-30 TO 34 5/8 T  
WIT. 10 TO 10 3 # 1 GAL  
W.L. 10 TO 12 CC  
L.C.M. 2 TO 3 # PPL.  
NOTE FULL ON TRIPS

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
		<u>593-6442</u>



# Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442. Gillette, Wyo. 307 682-5478  
Hays, Ks. 913 625-6313 Liberal, Ks. 316 624-7682



API Form 47-1

## DRILLING MUD REPORT

Report No. 2

Date 8-2 1993 | Depth 995

API Well No.	State	County	Well	S/T

OPERATOR <u>Chew Rope</u>	CONTRACTOR <u>Sterling Vulg</u>	Rig No.
Address <u>Wich, Ta</u>	Address <u>Sterling Ks</u>	Spud Date
Report For Mr. <u>Foley</u>	Report For Mr.	Section, Township, Range

Well Name And No. <u>LANDRA #1</u>	Field Or Block No.	County, Parish, or Offshore Area <u>Ellsworth</u>	State or Province <u>KANS</u>
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OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
Present Activity		Surface		Hole	Pits	Pump Size	x	In.	Annular Vel. (Ft./Min.)
Bit Size (In.)	No.	In. at	Ft.	Total Circulating Volume		Pump Make			Opposite DP
Drill Pipe Size	Type	Intermediate		In Storage		Model			Opposite Collar
Drill Collar Size	Length	In. at	Ft.			BBL/Stroke	Stroke/Min		Circulating
		Production Or Liner							Pressure PSI
		In. at	Ft.			BBL/Min.			Bottoms Up (Min.)
									System
									Total (Min.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowing Temperature °F	MUD PROPERTIES		
	Time Sample Taken	<u>11:45 AM</u>	
Depth (ft.)	<u>995</u>		
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)	<u>10.4</u>		
Mud Gradient (psi/ft.)	<u>515</u>		
Funnel Viscosity (sec./qt.) API at °F	<u>31</u>		
Plastic Viscosity cp at °F	<u>12</u>		
Yield Point (lb./100 sq. ft.)			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>1</u>	<u>1</u>	<u>1</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>6.2</u>		
Filtrate API (ml/30 min.)	<u>6.0</u>		
API HP-HT Filtrate (ml/30 min.) °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>	<u>2/32</u>		
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (Pf/Mf)	<u>1</u>	<u>1</u>	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> ppG Chloride <input type="checkbox"/> ppm <input type="checkbox"/> ppG	<u>80000</u>		
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>444</u>		
Sand Content (% by Vol.)	<u>TA</u>		
Solids Content (% by Vol.)			
Oil Content (% by Vol.)			
Water Content (% by Vol.)	<u>L.C.M</u>	<u>1/3</u>	
Methylene Blue Capacity (meq/ml mud)	<u>.075</u>		

EQUIPMENT			
Size	Hrs/Tour	Size	Hrs/Tour
Centrifuge		Desilter	
Degasser		Shaker	
Desander		Other	
Daily Cost		Cumulative Cost	

MUD PROPERTIES SPECIFICATIONS		
Weight	Viscosity	Filtrate
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor		
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other		

TOUR TREATMENT
Premium Gel
Salt Mud
Starch
Preservative
Soda Ash
Super Lig
Caustic Soda
L.C.M.

Remarks Suggest vis - 30 to 34 sp/rt  
w.t. 10.0 to 10.2 #19A1  
THANKS w.t. 10 to 12 cc  
L.C.M 2 to 3 #1/16  
NOLE FULL ON TRIPS



# Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442. Gillette, Wyo. 307 682-5478  
 Hays, Ks. 913 625-6313 Liberal, Ks. 316 624-7682



API Form 47-1

## DRILLING MUD REPORT

Report No. 5

Date 8-3 1972 Depth 1120

API Well No.	State	County	Well	S/T

OPERATOR <u>Olsen Rope</u>	CONTRACTOR <u>Stirling Vol 49</u>	Rig No.
Address <u>Wichita</u>	Address <u>Stirling Kansas</u>	Spud Date
Report For Mr. <u>Foley</u>	Report For Mr.	Section, Township, Range <u>16-16-17</u>

Well Name And No. <u>CANDRA #</u>	Field Or Block No.	County, Parish, or Offshore Area <u>Ellsworth</u>	State or Province <u>KANS</u>
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OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity	Surface	Hole	Pits	Pump Size	x In.	Annular Vel. (Ft./Min.)	
	In. at Ft.					Opposite DP	
Bit Size (In.)	No.	Intermediate	Total Circulating Volume	Pump Make		Opposite Collar	
		In. at Ft.		Model		Circulating	
Drill Pipe Size	Type	Production Or Liner	In Storage	BBL/Stroke	Stroke/Min	Pressure PSI	
		In. at Ft.				Bottoms Up (Min.)	
Drill Collar Size	Length			BBL/Min.	System		
					Total (Min.)		
MUD TYPE <u>Starch</u>							

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowing Temperature °F	MUD PROPERTIES		
	Time Sample Taken	<u>9:30am</u>	
Depth (ft.)	<u>1120</u>		
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)	<u>103</u>		
Mud Gradient (psi/ft.)	<u>5.20</u>		
Funnel Viscosity (sec./qt.) API at °F	<u>33</u>		
Plastic Viscosity cp at °F	<u>13</u>		
Yield Point (lb./100 sq. ft.)			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>1</u>	<u>1</u>	<u>1</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>6.0</u>		
Filtrate API (ml/30 min.)	<u>9.8</u>		
API HP-HT Filtrate (ml/30 min.) °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>	<u>2/32</u>		
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (Pf/Mf)	<u>1</u>	<u>1</u>	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> ppg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> ppg	<u>9000</u>		
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>4.4</u>		
Sand Content (% by Vol.)			
Solids Content (% by Vol.)			
Oil Content (% by Vol.)			
Water Content (% by Vol.)	<u>L.C.M. 1/2</u>		
Methylene Blue Capacity (meq/ml mud)	<u>0.08</u>		

EQUIPMENT			
Size	Hrs/Tour	Size	Hrs/Tour
Centrifuge		Desilter	
Degasser		Shaker	
Desander		Other	
Daily Cost		Cumulative Cost	

MUD PROPERTIES SPECIFICATIONS		
Weight	Viscosity	Filtrate
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor		
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other		

TOUR TREATMENT
Premium Gel
Salt Mud
Starch
Preservative
Soda Ash
Super Lig
Caustic Soda
L.C.M.

Remarks Suggest Vis - 30 to 33 3/4  
W.T. 10.2 to 10.2 # 19AL  
W.L. 10 to 12 cc  
L.C.M. 2 to 3 # bbl  
Foley full on TRIP

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
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THANKS



# Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442. Gillette, Wyo. 307 682-5478  
Hays, Ks. 913 625-6313 Liberal, Ks. 316 624-7682



API Form 47-1

## DRILLING MUD REPORT

Report No. 3

Date 8-4 1973 Depth 1345

API Well No.	State	County	Well	S/T

OPERATOR <u>Chen Rupe</u>	CONTRACTOR <u>STERLING DRUG</u>	Rig No.
Address <u>wichita</u>	Address <u>STERLING KANS</u>	Spud Date
Report For Mr. <u>Foley</u>	Report For Mr.	Section, Township, Range
Well Name And No. <u>VANDRA #1</u>	Field Or Block No.	County, Parish, or Offshore Area
		State or Province <u>KANS</u>

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity		Surface		Hole	Pits	Pump Size x In.	Annular Vel. (Ft./Min.)
Bit Size (In.)	No.	In. at	Ft.	Total Circulating Volume		Pump Make	Opposite DP
Drill Pipe Size	Type	Intermediate		In Storage		Model	Opposite Collar
Drill Collar Size	Length	In. at	Ft.			BBL/Stroke	Stroke/Min
		Production Or Liner				BBL/Min.	Pressure PSI
		In. at	Ft.				Bottoms Up (Min.)
							System
							Total (Min.)

MUD PROPERTIES	
Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	
Flowing Temperature °F	
Time Sample Taken	<u>9:15 A.M</u>
Depth (ft.)	<u>1345</u>
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)	<u>10.2</u>
Mud Gradient (psi/ft.)	<u>5.45</u>
Funnel Viscosity (sec./qt.) API at °F	<u>38</u>
Plastic Viscosity cp at °F	<u>1</u>
Yield Point (lb./100 sq. ft.)	<u>1</u>
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>1</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>6.4</u>
Filtrate API (ml/30 min.)	<u>17.9</u>
API HP-HT Filtrate (ml/30 min.) °F	
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>	<u>2/32</u>
Alkalinity, Mud (Pm)	<u>1</u>
Alkalinity, Filtrate (Pf/Mf)	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm	<u>125000</u>
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>None</u>
Sand Content (% by Vol.)	<u>1/2</u>
Solids Content (% by Vol.)	<u>1/2</u>
Oil Content (% by Vol.)	<u>1/2</u>
Water Content (% by Vol.)	<u>L.C.M 1/2</u>
Methylene Blue Capacity (me./ml mud)	<u>1024</u>

EQUIPMENT			
Size	Hrs/Tour	Size	Hrs/Tour
Centrifuge		Desilter	
Degasser		Shaker	
Desander		Other	
Daily Cost		Cumulative Cost	
MUD PROPERTIES SPECIFICATIONS			
Weight	Viscosity	Filtrate	
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor			
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other			
TOUR TREATMENT			
Premium Gel	<u>AFTER TRIP MIX</u>		
Salt Mud			
Starch	<u>60 BAGS</u>		
Preservative			
Soda Ash			
Super Lig			
Caustic Soda			
L.C.M.			

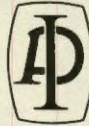
Remarks Suggest vis - 30 to 36 sp/rt  
wt. 10.2 to 10.3 # 19AL  
W.B. 10 to 12 cc  
L.C.M 2 to 3 # bbl.  
Hole Full on TRIPS

REPRESENTATIVE [Signature] HOME ADDRESS [Address] TELEPHONE 703-0442



# Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442. Gillette, Wyo. 307 682-5478  
 Hays, Ks. 913 625-6313 Liberal, Ks. 316 624-7682



API Form 47-1

## DRILLING MUD REPORT

Report No. 4

Date 8-5 1973 Depth 1630

API Well No.	State	County	Well	S/T

OPERATOR <u>Gene Rupe</u>	CONTRACTOR <u>Sterling Dalg</u>	Rig No.
Address <u>Wichita</u>	Address <u>Sterling Kans</u>	Spud Date
Report For Mr. <u>Foley</u>	Report For Mr.	Section, Township, Range
Well Name And No. <u>VALDRA #1</u>	Field Or Block No.	County, Parish, or Offshore Area <u>Ellsworth</u>
		State or Province <u>KANS</u>

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity		Surface		Hole	Pits	Pump Size x In.	Annular Vel. (Ft./Min.)
Bit Size (In.)	No.	In. at	Ft.	Total Circulating Volume		Pump Make	Opposite DP
Drill Pipe Size	Type	Intermediate		In. at	Ft.	Model	Opposite Collar
Drill Collar Size	Length	Production Or Liner		In Storage		BBL/Stroke	Stroke/Min
		In. at	Ft.			BBL/Min.	Pressure PSI
		MUD TYPE <u>STARCH</u>					Bottoms Up (Min.)
							System
							Total (Min.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES		
	Flowing Temperature °F		
Time Sample Taken		<u>7:20 AM</u>	
Depth (ft.)		<u>1630</u>	
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)		<u>10.7</u>	
Mud Gradient (psi/ft.)		<u>550</u>	
Funnel Viscosity (sec./qt.) API at °F		<u>35</u>	
Plastic Viscosity cp at °F			
Yield Point (lb./100 sq. ft.)			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.		<u>1</u>	<u>1</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter		<u>6.7</u>	
Filtrate API (ml/30 min.)		<u>20.9</u>	
API HP-HT Filtrate (ml/30 min.) °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>		<u>7/32</u>	
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (Pf/Mf)		<u>1</u>	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> ppg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> ppg		<u>100,000</u>	
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)		<u>None</u>	
Sand Content (% by Vol.)		<u>TR</u>	
Solids Content (% by Vol.)			
Oil Content (% by Vol.)			
Water Content (% by Vol.)	<u>L.C.M</u>	<u>TR</u>	
Methylene Blue Capacity (me./ml mud)	<u>0.024</u>		

EQUIPMENT			
Size	Hrs/Tour	Size	Hrs/Tour
Centrifuge		Desilter	
Degasser		Shaker	
Desander		Other	
Daily Cost		Cumulative Cost	

MUD PROPERTIES SPECIFICATIONS		
Weight	Viscosity	Filtrate
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor		
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other		

TOUR TREATMENT	
Premium Gel	<u>MIX</u>
Salt Mud	
Starch	<u>7 SACKS</u>
Preservative	
Soda Ash	
Super Lig	
Caustic Soda	
L.C.M.	

Remarks Suggest vis - 30 to 34 sec/qt  
w.t. 10.9 to 10.74 / gal  
w.t. 10 to 12 cc  
L.C.M 2 to 3 # bbl.  
Hope Full on TRIPS



VONDRA #1

# DRILLING MUD REPORT

Report No. 5

## Sun Mud Company, Inc.

Great Bend, Ks. 316 793-6442.    Gillette, Wyo. 307 682-5478  
Hays, Ks. 913 625-6313    Liberal, Ks. 316 624-7622



API Form 47-1

Date 8-6 1973 Depth 1785

API Well No.	State	County	Well	S/T

OPERATOR Glen Ripe CONTRACTOR Steering Dug Rig No. \_\_\_\_\_  
 Address Wichita Address \_\_\_\_\_ Spud Date \_\_\_\_\_  
 Report For Mr. Foley Report For Mr. \_\_\_\_\_ Section, Township, Range \_\_\_\_\_  
 Well Name And No. VANDRA #1 Field Or Block No. \_\_\_\_\_ County, Parish, or Offshore Area \_\_\_\_\_ State or Province \_\_\_\_\_

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
Present Activity		Surface		Hole Pits		Pump Size x In.		Annular Vel. (Ft./Min.)	
Bit Size (In.)	No.	In. at	Ft.	Total Circulating Volume		Pump Make		Opposite DP	
Drill Pipe Size	Type	In. at	Ft.	In Storage		Model		Opposite Collar	
Drill Collar Size	Length	Production Or Liner		In Storage		BBL/Stroke		Stroke/Min	
		In. at	Ft.			BBL/Min.		Pressure PSI	
		MUD TYPE <u>Starch</u>						Bottoms Up (Min.)	
								System	
								Total (Min.)	

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowing Temperature °F	MUD PROPERTIES		
	Time Sample Taken	11:45	
Depth (ft.)	1785		
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft)	10.6		
Mud Gradient (psi/ft.)	5.45		
Funnel Viscosity (sec./qt.) API at °F	35		
Plastic Viscosity cp at °F			
Yield Point (lb./100 sq. ft.)			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	1	1	1
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	6.4		
Filtrate API (ml/30 min.)	24.9		
API HP-HT Filtrate (ml/30 min.) °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP-HT <input type="checkbox"/>	2/32		
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (Pf/Mf)	1	1	1
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm	99,000		
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	Any		
Sand Content (% by Vol.)			
Solids Content (% by Vol.)			
Oil Content (% by Vol.)			
Water Content (% by Vol.)			
Methylene Blue Capacity (me./ml mud)			

EQUIPMENT			
Size	Hrs/Tour	Size	Hrs/Tour
Centrifuge		Desilter	
Degasser		Shaker	
Desander		Other	
Daily Cost		Cumulative Cost	

MUD PROPERTIES SPECIFICATIONS		
Weight	Viscosity	Filtrate
By Authority: <input type="checkbox"/> Operator's Written <input type="checkbox"/> Drilling Contractor		
<input type="checkbox"/> Operator's Representative <input type="checkbox"/> Other		

TOUR TREATMENT
Premium Gel
Salt Mud
Starch
Preservative
Soda Ash
Super Lig
Caustic Soda
L.C.M.

Remarks Vis - 32 to 36 sp/ft to Run Pipe  
w/ 7. 10" to 10 1/2" # 190 L  
hole full  
THANKS