MAGCOBAR DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. / P. O. BOX 6504 / HOUSTON, TEXAS 77005

CHECK NO. 1 DATE

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Devaney REPORT FOR MR. Draper

ADDRESS Great Bend ADDRESS Pratt, Rig

WELL NO. Rein A #5 LOCATION 5S 1E Brine COUNTY Ness TOTAL DEPTH

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity Ft./min. Mud Cycle Mi

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

Mud in Pits 350 Bbl. Mud in Hole 126 Bbl. Total Mud 476 Bbl. Circulating Press 400 # /in² Hydrostatic Pressure # /i

Pumps: Make National Model C15C Size 6 1/4 x 12 Bbl./Stroke Strokes/min. Output Bbls./m

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

Drill Pipe Size: Wt. T. J. Size Type Drill Collar Length O. D. x ID. x Weight 1000# RPM

Sample from: Flowline ☑ Pit ☐ Flowline Temperature °F	Mud Properties Mud Type: Salt	Mud Contains	TOUR TREATMENT
Time Sample Taken			Suggest:
	1790		At approx 3200
✓	9.0		Jet shale pit clean, add 40
			bbls oil and 1
	27		gal D-D
Viscosity (cps.) at °F	Native		
Plastic Viscosity (cps.)			
Yield Point (lb./100 sq. ft.)	Solids		At approx 4100'
Gel Strength—Initial (lb./100 sq. ft.)			1. Jet shale pi
Gel strength 10 min. (lb./100 sq. ft.)	a	✓ Tovaly 3	and reduce
pH—Strip ☐ Beckman ☐			volume
	Water	✓	2. Add 100# Pac
Cake Thickness (32nd)			at flow line
P—Alkalinity (Pf)			over 1 cir
Salt— ☐ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	4,000		before addi
P mud—c.c.		✓ Salt Gel	starch
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Light		3. Mix 35 sack
Solids Content (% by Vol.)		✓ L. C. M	Hy-Lo-Jel 5-1
Sand Content (% by Vol.)			min per sac
Oil Content (% by Vol.)		✓ Pacs	4. Add 10-12 ho
API HT-HP Water Loss (cc/30 min.)			on Mud up
		✓	

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

Daily Cost At approx 425

Cumulative Cost Add 40 bbls oil & 10 gal

- ☐ Drilling @
- ☐ Salt Water flow @
- ☐ Gas kick @
- ☐ Stuck pipe @
- ☐ Tight hole @
- ☐ Sloughing Shale @
- ☐ Lost Returns @

Suggest after starch & oil has been added:
1. Maintain viscosity 40-45 sedgt
2. Control weight 10.0-10.2# gal with water
3. Keep L.C.M in system 2-3# Per Barrel
4. Control water loss 10.0-12.0 cc with Hy-Lo-Jel
5. Keep hole full on trips
6. Mix all Mud slow

Thanks

Dresser Magcobar Engineer. Jim Wiesner Phone 316-793-7957

Address Great Bend

Wise 316-793-8417

CONDITIONS AS SET FORTH ON REVERSE SIDE

MUDGUARD DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. P. O. BOX 6504 / HOUSTON, TEXAS 77005

CHECK NO. 2 DATE 10-18-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Devaney REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION 55IE Bazine COUNTY Ness TOTAL DEPTH ____ f

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle 95t Mi

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

Mud in Pits 350 Bbl. Mud in Hole 316 Bbl. Total Mud 666 Bbl. Circulating Press 600 # /in² Hydrostatic Pressure ____ # /i

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .115 Strokes/min. 40 Output 6.90 Bbls./mi

Bit 9 Size 7 7/8 Make Scc Bit Type 54T Jet Size ____ Depth Out 3694 Feet Drilled 337 Hours Run 14 3/4

Drill Pipe Size: 4 1/2 Wt. 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt		Mud Contains		TOUR TREATMENT
Time Sample Taken P.M	3:15				Suggest:
	3953		✓	1 Pail	At 4100'
✓	9.8				1. Set shale pi cut out bac pit & reduc volume
	28				
Viscosity (cps.) at ____ °F					
Plastic Viscosity (cps.)	Native				2. Raise viscosity 30-31 sec/qt with 5 Salt G to 1 Magcogel
Yield Point (lb./100 sq. ft.)					
Gel Strength—Initial (lb./100 sq. ft.)	Solids				
Gel strength 10 min. (lb./100 sq. ft.)			✓ Tovaly	3	
pH—Strip ☐ Beckman ☐	&				3. Add 8 hulls
			✓		4. Add 100# Pac at flow line once 1 circ before addin
	Water				
Cake Thickness (32nd)					
P—Alkalinity (Pf)					
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	7.4%	45,000			
P mud—c.c.			✓ Salt Gel	5 Pails	starch
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy				5. Mix 35 sack Hy-Lo-Jel 5- MIN per sa
Solids Content (% by Vol.)	8%		✓ L.C.M		
Sand Content (% by Vol.)	—				
Oil Content (% by Vol.)	Trace		✓ Pacs		
API HT-HP Water Loss (cc/30 min.)	—				At 4250 - Add
L.C.M - 1# Bbl - This check			✓		40 bbls oil +

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

Daily Cost 10 gal D-D

Cumulative Cost

☑ Drilling @ 3953 Suggest after starch & oil has been added.

☐ Salt Water flow @ 1. Maintain viscosity 40-45 sec/qt

☐ Gas kick @ 2. Control weight 10.0 - 10.2# gal with water

☐ Stuck pipe @ 3. Control water loss 10.0 - 12.0 cc with Hy-Lo-Jel

☐ Tight hole @ 4. Keep L.C.M in system 2-3# Per Barrel

☐ Sloughing Shale @ 5. Keep hole full on trips

☐ Lost Returns @ 6. Mix all mud slow

Thanks

Dresser Magcobar Engineer Jim Wiesner Phone 793-7957

Address Great Bend

Whse 793-8417

MagCobar DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. / P. O. BOX 6504 / HOUSTON, TEXAS 77005

DRILLING MUD REPORT

CHECK NO. 3 DATE 10-20-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Devaney REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION SSIE Bazine COUNTY Ness TOTAL DEPTH ____ ft.

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle ____ Min

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

Mud in Pits 150 Bbl. Mud in Hole 350 Bbl. Total Mud 500 Bbl. Circulating Press 500 # /in² Hydrostatic Pressure ____ # /in

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .115 Strokes/min. 60 Output 6.9 Bbls./min

Bit 11 Size 7 7/8 Make Sec Bit Type H4N Jet Size ____ Depth Out 4233 Feet Drilled 213 Hours Run 16 3/4

Drill Pipe Size: 4 1/2 Wt. 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt				Mud Contains	TOUR TREATMENT
Time Sample Taken	A.M 6:35				☑ Salt Gel	5 } As needed for
	4370				☑ Caustic	1 } Viscosity
☑	10.0				☐ Soda Ash	
					☐ Quebracho	
	40				☐ Lignite	Suggest:
Viscosity (cps.) at ____ °F	18				☐ Starch	Dry tour add
Plastic Viscosity (cps.)					☐ CMC	6 sxs Hy-Lo-Jel
Yield Point (lb./100 sq. ft.)	5				☐ Tan Bark	
Gel Strength—Initial (lb./100 sq. ft.)	3				☐ Diesel Soda	
Gel strength 10 min. (lb./100 sq. ft.)	8				☑ Lignite	4 Hourly
pH—Strip ☑ Beckman ☐	6.6				☐ Mag-Chem	
	12.0				☐ Driltreat ☐ C-D	
Cake Thickness (32nd)	2/32				☐ Barite	
P—Alkalinity (Pf)					☐ Salt Prod.	
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	10 %		61,000		☐ Hydrowate	
P mud—c.c.						
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy				☑ L.C.M - 3 # Bbl - This check	
Solids Content (% by Vol.)	8%					
Sand Content (% by Vol.)	—				☑ Pacs	30 # Today over 1 ctn
Oil Content (% by Vol.)	2%					
API HT-HP Water Loss (cc/30 min.)	—					
Pacs. .025 # Bbl - This check						

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

Daily Cost

Cumulative Cost

☑ Drilling @ 4370

☐ Salt Water flow @

☐ Gas kick @

☐ Stuck pipe @

☐ Tight hole @

☐ Sloughing Shale @

☐ Lost Returns @

Suggest:

1. Maintain viscosity 40-45 sec/qt for D.S.T.
2. Maintain viscosity 45-50 sec/qt for log
3. Control weight 10.0-10.2 # gal
4. Control water loss 10.0-12.0 cc with Hy-Lo-Jel
5. Keep L.C.M in system 2-3 # Per Barrel
6. Mix All Mud Slow

Thanks

Dresser Magcobar Engineer Jim Wiesner Phone 793-7957

Address Great Bend

iWhar 793-8417

MagCobar DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. P. O. BOX 6504 HOUSTON, TEXAS 77005

CHECK NO. 4 DATE 10-21-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Downey REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION 55/E Bazine COUNTY Ness TOTAL DEPTH ____

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle ____ Mi

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

Mud in Pits 175 Bbl. Mud in Hole 356 Bbl. Total Mud 531 Bbl. Circulating Press 500 # /in² Hydrostatic Pressure ____ # /

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .115 Strokes/min. 60 Output 6.9 Bbls./m

Bit 11 Size 7 7/8 Make Sec Bit Type M4N Jet Size ____ Depth Out 4223 Feet Drilled 213 Hours Run 16 3/4

Drill Pipe Size: 4½ Wt. 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt				Mud Contains		TOUR TREATMENT
Time Sample Taken	A.M 8:25				✓ Salt Gel		As needed for
☑	4449						viscosity
☑	10.1						
	42						
Viscosity (cps.) at ____ °F	19						
Plastic Viscosity (cps.)							
Yield Point (lb./100 sq. ft.)	5						
Gel Strength—Initial (lb./100 sq. ft.)	4						
Gel strength 10 min. (lb./100 sq. ft.)	10				✓	3	Hourly
pH—Strip ☑ Beckman ☐	6.6						
	10.4						
Cake Thickness (32nd)	2/32						
P—Alkalinity (Pf)	—						
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	9.2%		56,000				
P mud—c.c.	—						
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy				✓ L.C.M - 2# Bbl		-This check
Solids Content (% by Vol.)	10%						
Sand Content (% by Vol.)							
Oil Content (% by Vol.)	1%						
API HT-HP Water Loss (cc/30 min.)	—						
Pres. .050# Bbl - This check							

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

Daily Cost

Cumulative Cost

☑ D.S.T @ 4449 Suggest:

☐ Salt Water flow @

☐ Gas kick @

☐ Stuck pipe @

☐ Tight hole @

☐ Sloughing Shale @

☐ Lost Returns @

1. Maintain viscosity 40-45 sec/qt for D.S.T.
2. Maintain viscosity 45-50 sec/qt for log
3. Control weight 10.0 - 10.3# gal
4. Control water loss 10.0 - 12.0 cc with Hy-Lo-Jel
5. Keep L.C.M in system 2-3# Per Barrel
6. Mix all Mud slow

Thanks

Dresser Magcobar Engineer Jim Wiesner Phone SW3-7957

Address Great Bend

Wbs 2 SW3-8417

DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. / P. O. BOX 6504 HOUSTON, TEXAS 77005

DRILLING MUD REPORT

CHECK NO. 5 DATE 10-22-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Devaney REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION 551E Bazine COUNTY Ness TOTAL DEPTH ____ f

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle ____ Mi

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

Mud in Pits 175 Bbl. Mud in Hole 357 Bbl. Total Mud 532 Bbl. Circulating Press 550 # /in² Hydrostatic Pressure ____ # /i

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .1115 Strokes/min. 60 Output 6.9 Bbls./mi

Bit 12 Size 7 7/8 Make Sec Bit Type H4N Jet Size ____ Depth Out 4449 Feet Drilled 226 Hours Run 16 3/4

Drill Pipe Size: 4 1/2 Wt 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt			Mud Contains		TOUR TREATMENT
Time Sample Taken A.M	6:15			☑ Salt Gel		As needed for viscosity
	4459			☐ Asbestos		
☑	10.0			☐ Lignite		
				☐ Magcobar		
	43			☐ Quebracho		
Viscosity (cps.) at ____ °F	20			☐ Spersene		
Plastic Viscosity (cps.)	5			☐ [illegible]		
Yield Point (lb./100 sq. ft.)				☐ [illegible]		
Gel Strength—Initial (lb./100 sq. ft.)	6			☐ Caustic Soda		
Gel strength 10 min. (lb./100 sq. ft.)	13			☑ [illegible]	8	Daily
pH—Strip ☑ Beckman ☐	6.8			☐ [illegible]		
	12.8			☐ [illegible]		
Cake Thickness (32nd)	2/32			☐ [illegible]		
P—Alkalinity (Pf)				☐ [illegible]		
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	9.5%		58,000	☐ [illegible]		
P mud—c.c.						
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy			☑ L.C.M -2 #/Bbl		This check
Solids Content (% by Vol.)	9%					
Sand Content (% by Vol.)	-			☑ Paes	50#	Today
Oil Content (% by Vol.)	Trace					
API HT-HP Water Loss (cc/30 min.)	-					
Paes. Nil - This check						

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

Daily Cost

Cumulative Cost

☑ Drilling @ 4459 Suggest!

☐ Salt Water flow @

☐ Gas kick @

☐ Stuck pipe @

☐ Tight hole @

☐ Sloughing Shale @

☐ Lost Returns @

1. Maintain viscosity 48-50 sec/qt for D.S.T. + log
2. Control weight 10.0 - 10.2 # gal
3. Control water loss 10.0 - 12.0 cc with Hy-Lo-Jel
4. Keep L.C.M in system 2-3 # Per Barrel
5. Keep hole full on trips
6. Mix all mud slow

Thanks

Dresser Magcobar Engineer Jim Wiesner Phone 793-7957

Address Great Bend

Whse 793-8417

DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. / P. O. BOX 6504 / HOUSTON, TEXAS 77005

CHECK NO. 6 DATE 10-22-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Devaney REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION SSE Bazine COUNTY Ness TOTAL DEPTH ____ f

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle ____ Mi

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

Mud in Pits 175 Bbl. Mud in Hole 357 Bbl. Total Mud 532 Bbl. Circulating Press 550 # /in² Hydrostatic Pressure ____ # /i

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .115 Strokes/min. 60 Output 6.9 Bbls./m

Bit 12 Size 7 7/8 Make Sec Bit Type M4N Jet Size ____ Depth Out 4449 Feet Drilled 226 Hours Run 16 3/4

Drill Pipe Size: 4 1/2 Wt. 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt				Mud Contains		TOUR TREATMENT
Time Sample Taken A.M	9:30				☑ Salt Gel		As needed for viscosity
Depth ft.	4459						
Weight ☑ lb./gal.	10.0						
Funnel Visc. sec./qt.	65						
Viscosity (cps.) at ____ °F	31						
Plastic Viscosity (cps.)							
Yield Point (lb./100 sq. ft.)	5						
Gel Strength—Initial (lb./100 sq. ft.)	9						
Gel strength 10 min. (lb./100 sq. ft.)	19				☑		No treatment unless hole is made
pH—Strip ☑ Beckman ☐	6.8						
Water loss cc/30 min.	9.6						
Cake Thickness (32nd)	2/32						
P—Alkalinity (Pf)							
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	9.5%		53,000				
P mud—c.c.							
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy				☑ L.C.M - 2 # Bbl		- This check
Solids Content (% by Vol.)	9%						
Sand Content (% by Vol.)	-						
Oil Content (% by Vol.)	Trace						
API HT-HP Water Loss (cc/30 min.)	-						
Pres. Nil - This check							

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

Daily Cost

Cumulative Cost

☑ Drilling @ 4459 Suggest:

☐ Salt Water flow @

☐ Gas kick @

☐ Stuck pipe @

☐ Tight hole @

☐ Sloughing Shale @

☐ Lost Returns @

1. Maintain viscosity 48-50 sec/qt for D.S.T. & log
2. Control weight 10.0 - 10.2 # gal - No water
3. Control water loss 10.0 - 12.0 cc with My-Lo-Jel
4. Keep L.C.M in system 2-3 # Per Barrel
5. Keep hole full on trips
6. Mix all mud slow

Thanks

Dresser Magcobar Engineer Jim Wisner Phone SW3-7917

Address Great Bend SW3-5417

White

DRESSER MAGCOBAR DIVISION OF DRESSER INDUSTRIES, INC. / P. O. BOX 6504 / HOUSTON, TEXAS 77005

DRILLING MUD REPORT

CHECK NO. 7 DATE 10-23-67

COMPANY: Cities Service Oil Co CONTRACTOR Gabbert-Jones

REPORT FOR MR. Downey REPORT FOR MR. Johnson

ADDRESS Great Bend ADDRESS Great Bend

WELL NO. Rein A #5 LOCATION 55IE Bazine COUNTY Ness TOTAL DEPTH

Last casing 8 5/8 in. @ 500 ft. Bit Size 7 7/8 in. Calculated Annular Velocity ____ Ft./min. Mud Cycle ____ M

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

Mud in Pits 175 Bbl. Mud in Hole 357 Bbl. Total Mud 532 Bbl. Circulating Press 550 # /in² Hydrostatic Pressure ____ #

Pumps: Make National Model C150 Size 6 1/4 x 12 Bbl./Stroke .115 Strokes/min. 60 Output 6.9 Bbls/r

Bit 12 Size 7 7/8 Make Sec Bit Type HWN Jet Size ____ Depth Out 4449 Feet Drilled 226 Hours Run 16 3/4

Drill Pipe Size: 4 1/2 Wt. 16.60 T. J. Size ____ Type ____ Drill Collar Length ____ O. D. x ID. ____ x ____ Weight ____ 1000# RPM 90

Sample from: Flowline ☑ Pit ☐ Flowline Temperature ____ °F	Mud Properties Mud Type: Salt				Mud Contains		TOUR TREATMENT
Time Sample Taken A.M	12:50				☑ Magcobar Gel	sx	As needed for viscosity
	4459				☐ Maccogel	sx	
☑	9.6				☐ High Yield Clay	sx	
					☐ Magcopnos	sx	
	48				☐ Quebracho	sx	
Viscosity (cps.) at ____ °F	24				☐ Dispersene	sx	
Plastic Viscosity (cps.)					☐ XP-20	sx	
Yield Point (lb./100 sq. ft.)	5				☐ TannAthin	sx	
Gel Strength—Initial (lb./100 sq. ft.)	9				☐ Caustic Soda	sx	
Gel strength 10 min. (lb./100 sq. ft.)	19				☑ My-Lo-Jel	sx	No treatment
pH—Strip ☑ Beckman ☐	6.8				☐ Magco CMC	sx	
	11.6				☐ Dri-Lube ☐ D-D	cans	
Cake Thickness (32nd)	2/32				☐ Desinex	cans	
P—Alkalinity (Pf)					☐ Nut Plug	sx	
Salt— ☑ ppm ☐ gpg Chloride— ☑ ppm ☐ gpg	9.5%		58,000		☐ Magco-Mica	sx	
P mud—c.c.					☐	sx	
Gyp (lb./bbl.) ☐ Calcium—ppm ☑	Heavy				☑ L.C.M-2#	Bbl	This check
Solids Content (% by Vol.)	8%						
Sand Content (% by Vol.)	-						
Oil Content (% by Vol.)	1%						
API HT-HP Water Loss (cc/30 min.)	-						
Pres Nil - This check						bbl	

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

Daily Cost

Cumulative Cost

☑ Drilling @ 4459

☐ Salt Water flow @

☐ Gas kick @

☐ Stuck pipe @

☐ Tight hole @

☐ Sloughing Shale @

☐ Lost Returns @

Suggest:

1. Maintain viscosity 48-50 sec/qt for log
2. Control weight 10.0-10.2# gal - No water
3. Control water loss 10.0-12.0 cc with My-Lo-Jel
4. Keep L.C.M in system 2-3# Per Barrel
5. Keep hole full on trips
6. Mix all mud slow

Thanks

Whse SW3-8417

Dresser Magcobar Engineer Jim Wiesner Phone SW3-7957

Address Great Bend