

RECEIVED

JUN 29 2005

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5363
Name: BEREXCO INC.
Address: P. O. Box 2080
City/State/Zip: Wichita, KS 67208
Purchaser: _____
Operator Contact Person: Jeremy Ensz
Phone: (316) 265-3311
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Brian Bynog

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

12/14/2004 12/21/2004 12-21-04
Spud Date or 6/2005 KCCW
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 153-20831-00
County: Rawlins
26 nw. se Sec. 7 Twp. 1 S. R. 34 East West

1980 1975 feet from (S) N (circle one) Line of Section
1980 2079 feet from (E) W (circle one) Line of Section

OPS LOCATION
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: Lillian Well #: 1
Field Name: Cahoj NW

Producing Formation: _____
Elevation: Ground: 3,123' Kelly Bushing: 3,128'
Total Depth: 4,312' Plug Back Total Depth: 4,215'
Amount of Surface Pipe Set and Cemented at 275 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3,004 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.
ACT I WITHIN 11-14-06

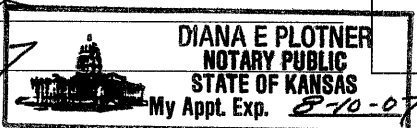
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 1,200 ppm Fluid volume 550 bbls
Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Forest Buxton
Title: Engineering Technician Date: June 28, 2005
Subscribed and sworn to before me this 28th day of June, 2005
Notary Public: Diana E Plotner
Date Commission Expires: Aug 10, 2007



KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Side Two

Operator Name: BEREXCO INC. Lease Name: Lillian Well #: 1
 Sec. 7 Twp. 1 S. R. 34 East West County: Rawlins

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:
 RAG, MicroResistivity

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	2978	150
Foraker	3610	-482
Topeka	3824	-696
Heebner	3972	-844
LKC	4031	-903

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"		275'	Common	190	CC + Gel
Production	7 7/8"	5 1/2"	14	4,307'	Lite + ASC	225	Salt + Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Surf - 3,004'	Lite + Common	400	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3,918-924'		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8"		3,862'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
Pending KCC Approval -- SWD		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

ALLIEL CEMENTING CO., INC. 19569

Federal Tax I.D.#

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE <u>12-14-04</u>	SEC. <u>7</u>	TWP. <u>15</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>7:30 PM</u>	JOB START <u>8:45 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>Lillian</u>	WELL # <u>1</u>	LOCATION <u>Atwood 8N-6W-3N-1/2W</u>		COUNTY <u>Rawlins</u>	STATE <u>Kan</u>		
OLD OR <u>NEW</u> (Circle one)		<u>1/2 S</u>					

CONTRACTOR Murkin Drilg Co #3

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 275'

CASING SIZE 8 5/8 DEPTH 275'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 16 1/2 BBL

EQUIPMENT

OWNER Same

CEMENT

AMOUNT ORDERED 190 SKs com
3% cc - 2% gel

COMMON	<u>190-SKs</u>	@	<u>9.10</u>	<u>1,729.00</u>
POZMIX		@		
GEL	<u>7 - SKs</u>	@	<u>11.00</u>	<u>44.00</u>
CHLORIDE	<u>7 - SKs</u>	@	<u>33.00</u>	<u>231.00</u>
ASC		@		

PUMP TRUCK CEMENTER Walt

373 HELPER Andrew

BULK TRUCK

377 DRIVER Mike

BULK TRUCK

DRIVER

RECEIVED

JUN 29 2005

KCC WICHITA

HANDLING	<u>201 - SKs</u>	@	<u>1.35</u>	<u>271.35</u>
MILEAGE	<u>5¢ per SK/mile</u>			<u>703.50</u>
TOTAL				<u>2,998.85</u>

REMARKS:

Cement Did Cure

Thank You

CHARGE TO: Berexco Inc

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>570.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>70-miles</u>	@	<u>4.00</u> <u>280.00</u>
MANIFOLD		@	
TOTAL <u>850.00</u>			

PLUG & FLOAT EQUIPMENT

	<u>8 5/8</u>		
<u>1-Surface Plug</u>		@	<u>55.00</u>
		@	
		@	
		@	
TOTAL <u>55.00</u>			

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Kath Van Riet

PRINTED NAME

ALLIEL CEMENTING CO., INC. 19685

Federal Tax I.D.#

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Ogkley

DATE <u>12-21-04</u>	SEC. <u>7</u>	TWP. <u>15</u>	RANGE <u>34w</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>Lillian</u>	WELL.# <u>1</u>	LOCATION <u>Atwood 9N 6W 3N 1/4 W</u>			COUNTY <u>Reynolds</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>15ws IN</u>			

CONTRACTOR Murfin Drlg Rig 3

TYPE OF JOB Two stage (top)

HOLE SIZE 7 1/8 T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV Tool DEPTH 3004

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 73 1/4 Bbls

EQUIPMENT

PUMP TRUCK CEMENTER Dean

373-281 HELPER Andrew

BULK TRUCK

309 DRIVER Harry

BULK TRUCK

386 DRIVER Mike

REMARKS:

Plug Rat Hole w/15sks
Plug mouse hole w/10sks
pump 200 sks Lite 1/4 P/O Seal
Follow w/100sks com. Wash
pump & line. Disp 73 1/4 Bbls.
Circulate 10 Bbls cement to Pit.
Plug handed & Tool close 1900
Float Held

Thank you

CHARGE TO: Berexco Inc

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER Same

CEMENT

AMOUNT ORDERED 100 sks com

300 sks Lite 1/4 P/O Seal

COMMON	<u>100 sks</u>	@ <u>9.10</u>	<u>910.00</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
Lite	<u>300 sks</u>	@ <u>7.95</u>	<u>2385.00</u>
P/O Seal	<u>75#</u>	@ <u>1.40</u>	<u>105.00</u>
		@	
		@	
		@	
		@	
HANDLING	<u>400 sks</u>	@ <u>1.35</u>	<u>540.00</u>
MILEAGE	<u>5# /sk/mile</u>		<u>1400.00</u>
TOTAL			<u>5340.00</u>

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 700.00

EXTRA FOOTAGE @ _____

MILEAGE 70 miles @ _____ N/C

MANIFOLD @ _____

TOTAL 700.00

RECEIVED

JUN 29 2005

KCC WICHITA

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
TOTAL _____	

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Ed Hayes

PRINTED NAME _____

ALLIEL CEMENTING CO., INC. 19684

Federal Tax I.D.

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>12-21-04</u>	SEC. <u>7</u>	TWP. <u>15</u>	RANGE <u>34w</u>	CALLED OUT	ON LOCATION <u>4:30PM</u>	JOB START <u>8:00PM</u>	JOB FINISH <u>8:45PM</u>
LEASE <u>Lillian</u>	WELL # <u>1</u>	LOCATION <u>Atwood 9N 6W 3N 1/4w</u>			COUNTY <u>Rawlins</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>1 SWS 2N</u>			

CONTRACTOR Murfin Drlg Rig 3
 TYPE OF JOB Two Stage (Bottom)
 HOLE SIZE 7 1/8 T.D. 4312'
 CASING SIZE 5 1/2 DEPTH 4313.64'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DV TOOL DEPTH 3004'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 32'
 CEMENT LEFT IN CSG. 32'
 PERFS.
 DISPLACEMENT 77 Bbls

OWNER Same
 CEMENT
 AMOUNT ORDERED Stocks Lite 1/4 Plaseal
175SKS ASC 10% Salt 2% Gel

EQUIPMENT
 PUMP TRUCK # 373-281 CEMENTER Dean / Max
 HELPER Andrew
 BULK TRUCK # 309 DRIVER Larry
 BULK TRUCK # 386 DRIVER Mike

COMMON	@		
POZMIX	@		
GEL		<u>35KS</u>	
CHLORIDE	@		
ASC		<u>175 SKS</u>	
SALT 21	@	<u>21 SKS</u>	
LITE	@	<u>50 SKS</u>	
WPR-2	@	<u>500 gals</u>	
Plaseal	@	<u>13'</u>	

HANDLING	@	<u>249 SKS</u>	<u>1.35</u>	<u>336.15</u>
MILEAGE		<u>54 / SK/mile</u>		<u>871.50</u>
TOTAL				<u>4335.10</u>

REMARKS:

pump 500gals WPR-2. Mix
50 SKS Lite 1/4 Plaseal Polw
175SKS ASC 10% Salt 2% Gel. Wash
pump line, Disp 30 Bbls water
& 77 Bbls Mud. Lost circulation
after Disp 50 Bbls Mud; Plug Landed
800' float held.
Thank you

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1180.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>70 miles</u>
MANIFOLD	@	

TOTAL 1460.00

CHARGE TO: Berexco Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

5/2 **PLUG & FLOAT EQUIPMENT**

<u>Guide shoe</u>		<u>150.00</u>
<u>APR Insert</u>	@	<u>235.00</u>
<u>17-Centralizers</u>	@	<u>50.00</u>
<u>2-Blocker</u>	@	<u>128.00</u>
<u>30-Scratchers</u>	@	<u>35.00</u>
<u>DV Tool</u>	@	<u>3000.00</u>

TOTAL 5541.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

RECEIVED

JUN 29 2005

KCC WICHITA

SIGNATURE

Ed Hayes

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME



Toll Free Call
 1-800-345-1255+MUDD
 800-438-4041

DRILLING MUD REPORT
Morgan Mud, Inc.
 P.O. Box 644
 McCook, Nebraska 69001
 Phone: (308) 345-1255

DRILLING MUD REPORT REPORT NO. 3
 DATE 12-15-20 DEPTH 1925'
 API WELL NO. 1-515320791-5E

OPERATOR Enpro Inc CONTRACTOR Murphy Drilling Company RIG NO. 3
 ADDRESS 11. HICKORY KS ADDRESS 12 CALBY KS SPUD DATE 12-14-24
 REPORT FOR MR. W. G. BATH REPORT FOR MR. W. G. BATH SECTION, TOWNSHIP, RANGE 7-15-34W
 WELL NAME AND NO. 1-515320791-5E FIELD MAHON NW COUNTY RAWLINS STATE KANSAS

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity <u>L. MILLING</u>		Surface <u>8 7/8"</u>	in. at <u>375'</u>	Hot	Fits	Pump Size <u>2 1/2" x 14"</u>	Annular Vel. (Ft./Min.)
Bit Size (in.) <u>7 7/8"</u>	No. <u>1</u>	Intermediate		Total Circulating Volume		Pump Make <u>NATIONAL</u>	Opposite Collar
Drill Pipe Size <u>4 1/2"</u>	Type <u>RH</u>	Production or Liner		In Storage		Model <u>K-280</u>	Circulating Pressure psi
Drill Collar Size <u>6 1/2"</u>	Length <u>489'</u>	Mud Type <u>FRESHWATER</u>				Bbl/Stroke <u>12.4</u>	Bottoms Up (Min.)
						Stroke/Min.	System Total (Min.)

MUD PROPERTIES				EQUIPMENT			
Flowline Temperature °F				SIZE	HRS./TOUR	SIZE	HRS./TOUR
Time Sample Taken	<input type="checkbox"/> AM	<input type="checkbox"/> PM		Centrifuge		Premix	
Depth (ft.)				Degasser		FRAC	
Funnel Viscosity (sec/10)				Desander		Other	
Weight <input type="checkbox"/> (ppg)	<input type="checkbox"/> (lb./cu. ft.)			DAILY COST			
Mud Gradient (psi/ft.)				CUMULATIVE COST			
Hydrostatic Head (psi)				MUD PROPERTIES SPECIFICATIONS			
L C M (ppb)				WEIGHT	VISCOSITY	FILTRATE	
600°/300°				BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR			
Plastic Viscosity (cps)				<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER			
Yield Point (lb./100 Sq. Ft.)				TOUR TREATMENT			
"N" Value				AND CLEAN PITS AND RUN WATER AS NEEDED TO MAINTAIN MUD W/ 8 C. ON LOSS			
"K" Value (lbs. sec./100 sq. ft.)				At 2750' PORTHOLE CLEAN HOLE - MIX			
Gel Strength (lb./100 sq./ft.) 10 sec/10 min.				Get to vis 34-47 on 1st 10 counts 2nd 25 cts 15 mins			
Filtrate API (ml/30 min.)				* WHILE DRILLING SANDS SHOW FINE TO COARSE AND FINE TO MEDIUM			
Cake Thickness (32nd in.) <input type="checkbox"/> API <input type="checkbox"/> HP-HT							
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter							
Alkalinity, Mud (Ppm)							
Alkalinity, Filtrate (Ppm)							
Chloride <input type="checkbox"/> ppm	<input type="checkbox"/> Salt <input type="checkbox"/> ppm	Potassium Ion (% by Vol.) <input type="checkbox"/>					
Calcium (ppm) <input type="checkbox"/> Gyp (ppb) <input type="checkbox"/>							
Sand Content (% by Vol.)							
Solids Content (% by Vol.)	Calculated <input type="checkbox"/>	Rated <input type="checkbox"/>					
Oil Content (% by Vol.)							
Water Content (% by Vol.)							

MMI Engineer L. Dave Lusk Home Phone 345-7262 Mobile Phone 308-340-5946
 Warehouse McCook Home Phone _____ Mobile Phone _____
 Location _____ Phone (308) 345-1255

THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE

Amount Used by Inventory Daily Log

Daily Cost \$1761 Cumulative Cost \$72643 "I am among you as one who serves" Lk. 22-27
 Remarks Flow at 2750' 49.50 gpm
at 11' and 2750' 49.50 gpm

Products	Units	Cum. Units	Unit Cost	Cost	
Gel	80	160	7.50	600	<input type="checkbox"/> Drilling
Lignite (Lenox)					<input type="checkbox"/> Tight Hole
Caulitic Soda					<input type="checkbox"/> Lost Returns (2990') (6) 1290'
Soda Ash					<input type="checkbox"/> DST
Drispac					<input type="checkbox"/> TD
Cottensand Hulls	76	84	11	836	<input type="checkbox"/> Oak
Cedar Fiber					<input type="checkbox"/> CH <u>in cut @ 1885' @ 9:00pm</u>
Lime					<input type="checkbox"/> Anhydrite

BIT INFORMATION				
TYPE	JETS	DEV	DEPTH IN	DEPTH OUT
<u>L. 11 1/2"</u>	<u>3</u>	<u>3</u>	<u>11'</u>	<u>836'</u>
<u>M. 11 1/2"</u>	<u>3</u>	<u>5</u>	<u>75'</u>	<u>126'</u>



Toll Free Call
 0-308-345-1255 + MUDD
 800-438-4011

DRILLING MUD REPORT
Morgan Mud, Inc.
 P.O. Box 644
 McCook, Nebraska 69001
 Phone: (308) 345-1255

DRILLING MUD REPORT REPORT NO. 2

DATE 12/20/2011 DEPTH 2990'

API WELL NO.	STATE	COUNTY	WELL	1/4
1510204310	NE	McCook	204310	10E

OPERATOR Falcon Inc CONTRACTOR Morgan Mud, Inc RIG NO. 3
 ADDRESS Wichita KS ADDRESS Wichita KS SPUD DATE 12/14/11
 REPORT FOR MR. WALSH REPORT FOR MR. VAN PEST SECTION, TOWNSHIP, RANGE 7-15-34W
 WELL NAME AND NO. WILLIAM #1 FIELD WABBY NW COUNTY McCook STATE KANSAS

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity <u>drilling</u>		Surface <u>5 1/2</u> in. of <u>7 7/8</u> Ft.		Hole Pits		Pump Size <u>2 1/2 x 14 1/2</u> in.	Annular Vel. (Ft./Min.)
Bit Size (in.) <u>7 7/8</u>	No. <u>5</u>	Intermediate		Total Circulating Volume		Pump Make <u>MATCO</u>	Opposite DP
Drill Pipe Size <u>4 1/2</u>	Type <u>X 1 1/4</u>	Production or Liner		In Storage		Model <u>X 350</u>	Opposite Collar
Drill Collar Size <u>6 1/4</u>	Length <u>429</u>					Bbl/Stroke <u>1.24</u>	Circulating Pressure psi
		Mud Type <u>FAI-SHARMA / MEANICAL</u>				Stroke/Min.	Bottoms Up (Min.)
						Bbl/Min	System Total (Min.)

MUD PROPERTIES		EQUIPMENT	
Flowline Temperature <u> </u> °F		SIZE	HRS./TOUR
Time Sample Taken <input type="checkbox"/> AM <input type="checkbox"/> PM		Centrifuge	
Depth (ft)		Degasser	
Funnel Viscosity (sec/10)		Desander	
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)		DAILY COST	CUMULATIVE COST
Mud Gradient (psi/ft)			
Hydrostatic Head (psi)		MUD PROPERTIES SPECIFICATIONS	
L C M (ppg)		WEIGHT <u>8.9</u>	VISCOSITY <u>48</u>
600°/300°		BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITER <input type="checkbox"/> DRILLING CONTRACTOR	FILTRATE <u>200</u>
Plastic Viscosity (cps)		<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER	
Yield Point (lb/100 Sq. Ft)		TOUR TREATMENT	
"N" Value			
"K" Value (lb. sec ² /100 sq. ft)			
Gel Strength (lb/100 sq/ft) 10 sec/10 min.			
Filtrate A P I (mL/30 min)			
Cake Thickness (32nd in) <input type="checkbox"/> API <input type="checkbox"/> HP-HT			
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter			
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate (P/MI)			
Chloride <input type="checkbox"/> ppm <input type="checkbox"/>			
Sulfate <input type="checkbox"/> ppm <input type="checkbox"/>			
Potassium Ion (% by Vol) <input type="checkbox"/>			
Calcium (ppm) <input type="checkbox"/> Gyp (ppb) <input type="checkbox"/>			
Sand Content (% by Vol)			
Solids Content (% by Vol) Calculated <input type="checkbox"/> Report <input type="checkbox"/>			
Oil Content (% by Vol)			
Water Content (% by Vol)			

THEN mix 101 to vis
 45-48 sec at 100 rpm
 50 sec at 100 rpm
 One more 50 sec at 100 rpm
 (Keep hour mix)

MMI Engineer Mike Lines Home Phone 345-7760 Mobile Phone 340-8946
 Warehouse McCook Location Phone (308) 345-1255

THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE

Amount Used by Inventory Daily Log

Daily Cost \$1100.00 Cumulative Cost \$3953.00 "I am among you as one who serves" Lk. 22-27

Products	Units	Cum. Units	Unit Cost	Cost	Remarks
Oil	10	316	7.90	450.00	<input type="checkbox"/> Drilling
Lignite (Lenox)					<input type="checkbox"/> Tight Hole
Caustic Soda					<input type="checkbox"/> Lost Returns @ 711.5'
Soda Ash					<input type="checkbox"/> DST
Drispac					<input type="checkbox"/> TO
Cottonseed Hulls	44	128	11.00	484.00	<input type="checkbox"/> Dak 13/16 in 20791 - 2904'
Cedar Fiber					<input type="checkbox"/> CH 57 2400'
Lime					<input type="checkbox"/> Anhydrite
DESCO					
Mult Seal	15	20	20.00	300.00	
L.S. 100	7				

BIT INFORMATION				
TYPE	JETS	DEV	DEPTH IN	DEPTH OUT
10-1	143	0°	296	2170
21001	143		3170	



Toll Free Call
0-308-345-1255+MUDD
800-458-4041

DRILLING MUD REPORT
Morgan Mud, Inc.
P.O. Box 644
McCook, Nebraska 69001
Phone: (308) 345-1255

DRILLING MUD REPORT				REPORT NO. 4
DATE 12-17-04		DEPTH 2276'		
API WELL NO.	STATE	COUNTY	WELL	VA
	NE	ADAMS	208	15E

OPERATOR FEDERAL	CONTRACTOR Morgan Mud, Inc.	RIG NO. 2
ADDRESS Wichita KS	ADDRESS Wichita KS	SPUD DATE 12-11-04
REPORT FOR MR. WPCATL	REPORT FOR MR. WPCATL	SECTION, TOWNSHIP, RANGE 7-18-34W
WELL NAME AND NO. WPCATL	FIELD WPCATL	COUNTY ADAMS
	STATE KANSAS	

OPERATION	CASING	MUD VOLUME (BBL)	CIRCULATION DATA
Present Activity 1	Surface in. of 375'	Hole Pits 300'	Pump Size 3/4" x 1 1/4"
Bit Size (in.) 7/8"	Intermediate in. of 375'	Total Circulating Volume 475'	Pump Make WPCATL
Drill Pipe Size 4 1/2"	Production or Liner in. of 375'	In Storage 80'	Model K-5800
Drill Collar Size 4 1/2"	Mud Type Chemical		BB/Stroke 124
			Stroke/Min. 61
			BB/Min. 1.35

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES		EQUIPMENT	
Flowline Temperature _____ °F			SIZE	HRS./TOUR
Time Sample Taken <input type="checkbox"/> AM <input type="checkbox"/> PM	7:30		Centrifuge	1
Depth (ft)	2376		Degasser	1
Funnel Viscosity (sec/qt)	49		Desander	1
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)	8.6		Other	1
Mud Gradient (psi/ft)	4.47		DAILY COST	CUMULATIVE COST
Hydrostatic Head (psi)	1519		MUD PROPERTIES SPECIFICATIONS	
L C M (ppm)	1200		WEIGHT	9.3
600°/300°	78.15	1	VISCOSITY	48
Plastic Viscosity (cps)	16		FILTRATE	80
Yield Point (lb./100 Sq. Ft.)	16		BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> DRILLING CONTRACTOR <input type="checkbox"/> OTHER	
"N" Value	58		TOUR TREATMENT	
"K" Value (lbs. sec./100 sq. ft.)	9.2		SUGGEST	
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	1150		ALL	
Filtrate A P 1 (mL/30 min.)	11		4.5-4.8 sec. at 100 psi	
Cake Thickness (32nd in.) <input type="checkbox"/> API <input type="checkbox"/> HP-HT	1		at 100 psi	
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	11.5		at 100 psi	
Alkalinity, Mud (Pm)	3.4		at 100 psi	
Alkalinity, Filtrate (P/M)	14.3		at 100 psi	
Chloride <input type="checkbox"/> Sulfate <input type="checkbox"/> Potassium Ion (% by Vol) <input type="checkbox"/>	800		Run 700 psi	
Calcium (ppm) <input type="checkbox"/> Gyp (ppb) <input type="checkbox"/>	10		SUPPLY OF WATER WITH 100	
Sand Content (% by Vol)	0.5		IF NEEDED TO MAINTAIN	
Solids Content (% by Vol) <input type="checkbox"/> Calculated <input type="checkbox"/> Retort <input type="checkbox"/>	2.5		BACK UP 9.3 OR LESS	
Oil Content (% by Vol)	0			
Water Content (% by Vol)	77.6			

MIMI Engineer DAVE LUK	Home Phone 345-7062	Mobile Phone 340-5946
Warehouse McCook	Location	Phone (308) 345-1255

THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE

Amount Used by Inventory Daily Log

Daily Cost **\$ 2767 -** Cumulative Cost **\$ 1.617 -**

"I am among you as one who serves" Lk. 22-27

Products	Units	Cum. Units	Unit Cost	Cost	Remarks
Gel	124	220	7.50	1780 -	<input type="checkbox"/> Drilling
Lignite (Linox)	1	1	20 -	15. -	<input type="checkbox"/> Tight Hole
Caustic Soda	10	6	30 -	300 -	<input type="checkbox"/> Lost Returns
Soda Ash	32	32	20 -	700 -	<input type="checkbox"/> DST
Drispac	3	3	25 -	975 -	<input type="checkbox"/> TD
Cottonseed Hulls		128			<input type="checkbox"/> Dsk
Cedar Fiber					<input type="checkbox"/> C.H.
Lime	1	4	8 -	8 -	<input type="checkbox"/> Anhydrite 22 7450' - 3049'
DESCO					BIT INFORMATION
Bit Size		56			TYPE
L.P.S.					JETS
					DEV
					DEPTH IN
					DEPTH OUT



DRILLING MUD REPORT
Morgan Mud, Inc.

Toll Free Call
0-308-345-1255#MUDD
800-438-4041

P.O. Box 644
McCook, Nebraska 69001
Phone: (308) 345-1255

DRILLING MUD REPORT				REPORT NO. <u>6</u>
DATE	<u>12/18</u>	<u>20</u>	<u>11</u>	DEPTH <u>3627</u>
API WELL NO.	<u>1</u>	STATE <u>KS</u>	COUNTY <u>OSAGE</u>	WELL <u>3156</u>

OPERATOR <u>McCook</u>	CONTRACTOR <u>Morgan Mud, Inc.</u>	RIG NO. <u>3</u>
ADDRESS <u>McCook, KS</u>	ADDRESS <u>McCook, KS</u>	SPUD DATE <u>12-14-09</u>
REPORT FOR MR. <u>W. H. HARRIS</u>	REPORT FOR MR. <u>W. H. HARRIS</u>	SECTION, TOWNSHIP, RANGE <u>7-15-24W</u>
WELL NAME AND NO. <u>W. H. HARRIS #1</u>	FIELD <u>W. H. HARRIS NW</u>	COUNTY <u>KANSAS</u>
STATE <u>KANSAS</u>		

OPERATION	CASING	MUD VOLUME (BBL)	CIRCULATION DATA
Present Activity <u>W. H. HARRIS #1</u>	Surface in. at <u>275</u> Ft.	Hole <u>2 1/4</u> Pits <u>200</u>	Pump Size <u>3 1/2 x 1 1/4</u> in.
Bit Size (in.) <u>7/8</u>	Intermediate in. at <u>1</u> Ft.	Total Circulating Volume <u>4.19</u>	Pump Make <u>NATIONAL</u>
Drill Pipe Size <u>4 1/2</u>	Production or Liner in. at <u>1</u> Ft.	In Storage	Model <u>K-250</u>
Drill Collar Size <u>4 1/2</u>	Mud Type <u>WATER BASE</u>		BBI/Stroke <u>1.25</u>
			Stroke/Min. <u>60</u>
			BBI/Min. <u>35</u>

MUD PROPERTIES		EQUIPMENT	
SIZE	HRS./TOUR	SIZE	HRS./TOUR
Time Sample Taken	<input type="checkbox"/> AM <input type="checkbox"/> PM	Centrifuge	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Depth (ft.)	<u>3627</u>	Premix	<u>TRIG 1</u>
Funnel Viscosity (sec/qt.)	<u>47</u>	FRAC	<u>TRIG 1</u>
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)	<u>8.9</u>	Desander	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Mud Gradient (psi/ft.)	<u>4.63</u>	Other	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hydrostatic Head (psi)	<u>4083</u>	DAILY COST	CUMULATIVE COST
L C M (ppb)	<u>0</u>	MUD PROPERTIES SPECIFICATIONS	
600"/200"	<u>45130</u>	WEIGHT	<u>8.9</u>
Plastic Viscosity (cps)	<u>15</u>	VISCOSITY	<u>48</u>
Yield Point (lb./100 Sq Ft.)	<u>15</u>	FILTRATE	<u>810</u>
"N" Value	<u>58</u>	BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITER <input type="checkbox"/> DRILLING CONTRACTOR	
"K" Value (lbs. sec. ² /100 sq. ft.)	<u>85</u>	<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER	
Gel Strength (lb./100 sq.ft.) 10 sec./10 min.	<u>12/23</u>	TOUR TREATMENT	
Filtrate API (ml/30 min.)	<u>42</u>	<u>WATER BASE MUD</u>	
Cake Thickness (32nd in.) <input type="checkbox"/> API <input type="checkbox"/> HP-HT	<u>2</u>	<u>4 1/2" SODA ASH</u>	
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>11.5</u>	<u>1 LIME</u>	
Alkalinity, Mud (Pm)	<u>1.2</u>	<u>1/2" TRIG 1</u>	
Alkalinity, Filtrate (P/M)	<u>13.2</u>	<u>ALL MUDS ARE NOT THE SAME</u>	
Chloride <input type="checkbox"/> ppm <input type="checkbox"/> g/g	<u>200</u>	<u>4 1/2" SODA ASH</u>	
Sulfate <input type="checkbox"/> ppm <input type="checkbox"/> g/g	<u>200</u>	<u>1 LIME</u>	
Potassium Ion (% by Vol.) <input type="checkbox"/>	<u>200</u>	<u>1/2" TRIG 1</u>	
Calcium (ppm) <input type="checkbox"/> Gyp (ppb) <input type="checkbox"/>	<u>20</u>	<u>ALL MUDS ARE NOT THE SAME</u>	
Sand Content (% by Vol.)	<u>20</u>	<u>4 1/2" SODA ASH</u>	
Solids Content (% by Vol.)	<u>4.2</u>	<u>1 LIME</u>	
Oil Content (% by Vol.)	<u>2</u>	<u>1/2" TRIG 1</u>	
Water Content (% by Vol.)	<u>95.2</u>	<u>ALL MUDS ARE NOT THE SAME</u>	

MMI Engineer <u>W. H. HARRIS</u>	Home Phone <u>345-7760</u>	Mobile Phone <u>340-5946</u>
Warehouse <u>McCook</u>	Home Phone	Mobile Phone
	Location	Phone <u>(308) 345-1255</u>

THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE
Amount Used by Inventory Daily Log

"I am among you as one who serves" Lk. 22-27

Products	Units	Cum. Units	Unit Cost	Cost	Remarks
Gel		<u>3700</u>			<input type="checkbox"/> Drilling
Lignite (Lemo)		<u>1</u>			<input type="checkbox"/> Tight Hole
Caustic Soda		<u>1</u>			<input type="checkbox"/> Lost Returns
Soda Ash		<u>30</u>			<input type="checkbox"/> DST
Drissac		<u>3</u>			<input type="checkbox"/> TD
Cottonseed Huls		<u>138</u>			<input type="checkbox"/> Dak
Cedar Fiber		<u>4</u>			<input type="checkbox"/> C.H.
Lime		<u>4</u>			<input type="checkbox"/> Anhydrite

BIT INFORMATION				
DESCO	TYPE	JETS	DEV.	DEPTH IN
<u>W. H. HARRIS</u>	<u>2 1/4</u>	<u>143</u>		<u>3170</u>
<u>L. HARRIS</u>				



Toll Free Call
0-308-345-1255+MUDD-
800 458 4041

DRILLING MUD REPORT
Morgan Mud, Inc.
P.O. Box 644
McCook, Nebraska 69001
Phone: (308) 345-1255

DRILLING MUD REPORT					REPORT NO.
DATE	12-19-2004	DEPTH	29897		
API WELL NO.	1-1-320231-5	STATE	KS	COUNTY	WELL

OPERATOR Fitzgerald	CONTRACTOR Mudco Drilling	RIG NO.	3
ADDRESS Wichita KS	ADDRESS Cody KS	SPUD DATE	12-14-04
REPORT FOR MR. Wheat	REPORT FOR MR. Vance	SECTION, TOWNSHIP, RANGE	7. 15. 34W
WELL NAME AND NO. T-115W-01	FIELD Parker NW	COUNTY Pawnee	STATE KANSAS

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
Present Activity 1 2000		Surface 8 3/4 in. at 275 Ft	Hole 7 3/4 in.	Pits 300	Pump Size 5 1/2 x 14 in.	Annular Vel. (Ft./Min.)	Opposite DP 150
Bit Size (in.) 5/8	No. 3	Intermediate in at Ft	Total Circulating Volume 535	In Storage -	Pump Make MATTIOLI	Opposite Collar 295	Circulating Pressure psi 800
Drill Pipe Size 4 1/2	Type XW	Production or Liner in at Ft			Model K-386	Bottoms Up (Min.) 25	System Total (Min.) 24
Drill Collar Size 6 1/4	Length 87	Mud Type Mudco			Bbl/Stroke 120		
					Stroke/Min 6.9		
					Bbl/Min 6.55		

MUD PROPERTIES		EQUIPMENT	
Flowline Temperature °F		SIZE	HRS./TOUR
Time Sample Taken <input type="checkbox"/> AM <input type="checkbox"/> PM		Centrifuge	1 1/2
Depth (ft)	29897	Degasser	1 1/2
Funnel Viscosity (sec/qt)	43	Desander	1 1/2
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)	7.1	Other	1 1/2
Mud Gradient (psi/ft)	4.73	DAILY COST	CUMULATIVE COST
Hydrostatic Head (psi)	1894	MUD PROPERTIES SPECIFICATIONS	
L C M (pph)	5	WEIGHT	9.3
600*/200*	2125	VISCOSITY	48.7
Plastic Viscosity (cps)	17	FILTRATE	800
Yield Point (lb/100 Sq. Ft)	18	BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> DRILLING CONTRACTOR <input type="checkbox"/> OTHER	
"N" Value	1.54	TOUR TREATMENT	
"K" Value (lbs. sec./100 sq. ft)	1.04	All muds are not to use 4-48 on bit to drill 2-1/2 - 1.9 to BS	
Gel Strength (lb/100 sq/ft) 10 sec/10 min.	12.20	Run 1/2 to 1/2 well SUCKER ROD AND TIE UP PROBLEMS MAINTAIN MUD IN 9.3 OR LESS	
Filtrate A P I (ml/30 min)	6.4		
Cake Thickness (32nd in.) <input type="checkbox"/> API <input type="checkbox"/> HP-HT	7		
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	11.0		
Alkalinity, Mud (Pm)	2.0		
Alkalinity, Filtrate (P/M)	11.73		
Chloride / <input type="checkbox"/> ppm <input type="checkbox"/> g/g <input type="checkbox"/> Potassium Ion (% by Vol) <input type="checkbox"/>	400		
Calcium (ppm) <input type="checkbox"/> Gyp (pph) <input type="checkbox"/>	10		
Sand Content (% by Vol)	30		
Solids Content (% by Vol) Calculated <input type="checkbox"/> Retort <input type="checkbox"/>	5.7		
Oil Content (% by Vol)	0		
Water Content (% by Vol)	73.8		

By Fitzgerald
Mudco Drilling
12-19-04

MMI Engineer L. Vance	Home Phone 308-720-1000	Mobile Phone 308-594-1100
Warehouse McCook	Home Phone	Mobile Phone
	Location	Phone (308) 345-1255

THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE

Amount Used by Inventory Daily Log
Daily Cost \$4.41 Cumulative Cost \$8,910

Products	Units	Cost	Unit Cost	Cost	Remarks
Gel	20	2.50	1.25	2.50	<input type="checkbox"/> Drilling
Lignite (Lenox)	1	1.00	1.00	1.00	<input type="checkbox"/> Tight Hole
Caulitic Soda	1	1.00	1.00	1.00	<input type="checkbox"/> Lost Returns
Soda Ash	1	1.00	1.00	1.00	<input type="checkbox"/> DST #1 at 2537'
Orispac	1	1.00	1.00	1.00	<input type="checkbox"/> TD
Cottonseed Hubs	1	1.00	1.00	1.00	<input type="checkbox"/> Dak
Cedar Fiber	1	1.00	1.00	1.00	<input type="checkbox"/> C.H.
Lime	1	1.00	1.00	1.00	<input type="checkbox"/> Anhydrite

DESCO	BIT INFORMATION				
	TYPE	JETS	DEV	DEPTH IN	DEPTH OUT
Mudco Sol	11105-7	145	140	2110	3037
1.11105	11105-7	145	140	2110	3037

"I am among you as one who serves" Lk. 22-27



Toll Free Call
0-308-345-1255 + MUDD
800-438-4041

DRILLING MUD REPORT
Morgan Mud, Inc.
P.O. Box 644
McCook, Nebraska 69001
Phone: (308) 345-1255

DRILLING MUD REPORT				REPORT NO. 7
DATE 12-20-04	DEPTH 4145			
API WELL NO. 1-153207315E	STATE KS	COUNTY	WELL	1/4

OPERATOR <i>Revere, Inc</i>	CONTRACTOR <i>Morgan Drilling Company</i>	RIG NO. 3
ADDRESS <i>Wichita KS</i>	ADDRESS <i>County KS</i>	SPUD DATE 12-19-04
REPORT FOR MR. <i>Van Pelt</i>	REPORT FOR MR. <i>Van Pelt</i>	SECTION, TOWNSHIP, RANGE 7-18-34W
WELL NAME AND NO. <i>Union #1</i>	FIELD <i>2A 800 NW</i>	COUNTY <i>KANSAS</i>

OPERATION	CASING	MUD VOLUME (BBL)	CIRCULATION DATA
Present Activity <i>177 #2</i>	Surface <i>178 in. of 115 Ft.</i>	Hole <i>2401</i>	Pump Size <i>2 1/2 x 11 in.</i>
Bit Size (in.) <i>7/8</i>	Intermediate <i>in. at</i>	Total Circulating Volume <i>2500</i>	Pump Make <i>WATSON</i>
Drill Pipe Size <i>4 1/2</i>	Production or Liner <i>in. at</i>	In Storage	Model <i>K 380</i>
Drill Collar Size <i>6 1/4</i>	Length <i>429</i>	Mud Type <i>HEAVY</i>	Bit/Stroke <i>174</i>
			Stroke/Min. <i>64</i>
			Bottoms Up (Min.) <i>273</i>
			System Total (Min.) <i>872</i>

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES		EQUIPMENT	
Flowline Temperature <i>°F</i>		SIZE	HRS./TOUR	SIZE
Time Sample Taken <input type="checkbox"/> AM <input type="checkbox"/> PM	<i>6:10</i>	Centrifuge	<i>1</i>	Premix
Depth (ft)	<i>4145</i>	Degasser	<i>1</i>	FRAC
Funnel Viscosity (sec/qt)	<i>54</i>	Desander	<i>1</i>	Other
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)	<i>11.2</i>	DAILY COST		CUMULATIVE COST
Mud Gradient (psi/ft)	<i>0.478</i>	MUD PROPERTIES SPECIFICATIONS		
Hydrostatic Head (psi)	<i>1983</i>	WEIGHT <i>4.3</i>	VISCOSITY <i>30</i>	FILTRATE <i>80</i>
L C M (ppm)	<i>1</i>	BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR		
600°/300°	<i>57134 1 1</i>	<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER		
Plastic Viscosity (cP)	<i>1.1</i>	TOUR TREATMENT		
Yield Point (lb/100 Sq. Ft)	<i>14</i>	<i>Suggest</i>		
"N" Value	<i>0.58</i>	<i>1 AMERICAN MIX</i>		
"K" Value (lbs. sec ² /100 sq. ft.)	<i>0.97</i>	<i>5 more gal</i>		
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.	<i>15.52</i>	<i>1.5 more gal</i>		
Filtrate A P I (ml/30 min)	<i>6.8</i>	<i>1.5 more gal</i>		
Cake Thickness (32nd in) <input type="checkbox"/> API <input type="checkbox"/> HP-HT	<i>2</i>			
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	<i>11.2</i>			
Alkalinity, Mud (Ppm)	<i>3.1</i>			
Alkalinity, Filtrate (P/M)	<i>6.15</i>			
Chloride <input type="checkbox"/> ppm <input type="checkbox"/>				
Sulfate <input type="checkbox"/> ppm <input type="checkbox"/>				
Potassium Ion (% by Vol) <input type="checkbox"/>				
Calcium (ppm) <input type="checkbox"/> Gyp (ppb) <input type="checkbox"/>	<i>30</i>			
Sand Content (% by Vol)	<i>0.30</i>			
Solids Content (% by Vol) Calculated <input type="checkbox"/> Retort <input type="checkbox"/>	<i>6.7</i>			
Oil Content (% by Vol)	<i>0</i>			
Water Content (% by Vol)	<i>93.1</i>			

Handwritten notes and signatures in the bottom section of the mud properties table.

MMI Engineer <i>T. Reed</i>	Home Phone <i>308-720-2000</i>	Mobile Phone <i>308-594-6000</i>
Warehouses McCook	Home Phone	Mobile Phone
	Location	Phone (308) 345-1255

Amount Used by Inventory Daily Log THIS REPORT IS GOVERNED BY THE TERMS AND CONDITIONS AS SET FORTH ON THE REVERSE SIDE

Daily Cost <i>\$11.00</i>	Cumulative Cost <i>\$11.00</i>	"I am among you as one who serves" Lk. 22-27		
Products	Units	Cum. Units	Unit Cost	Cost
Gel		<i>234</i>		
Lignite (Lanox)		<i>7</i>		
Caulitic Soda		<i>1</i>		
Soda Ash		<i>34</i>		
Driscop		<i>3</i>		
Cottonseed Hufts	<i>16</i>	<i>136</i>	<i>11.</i>	<i>176.</i>
Cordier Fiber				
Lima		<i>4</i>		
DESCO				
<i>Muller</i>		<i>2</i>		

BIT INFORMATION				
TYPE	JETS	DEV.	DEPTH IN	DEPTH OUT
<i>2 1/2 x 11</i>	<i>145</i>		<i>30.87</i>	<i>4145</i>
<i>2 1/2 x 11</i>	<i>11</i>		<i>4145</i>	