

RECEIVED
12-28-01
DEC 28 2001
WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 5056
Name: F.G. Holl Company, L.L.C.
Address: 6427 E. Kellogg, P.O. BOX 780167,
City/State/Zip: Wichita, Kansas 67278-0167
Purchaser: NCRA
Operator Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481
Contractor: Name: Sterling Drilling Company, Rig #4
License: 5142
Wellsite Geologist: Bill Ree & Kent Roberts

API No. 15 - 15-007-22673-0000
County: Barber
C NE NE NW Sec. 10 Twp. 30 S. R. 14 East West
330 feet from S / N (circle one) Line of Section
2310 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: HICKS-JOHNSON Well #: 1-10
Field Name: Wildcat
Producing Formation: Bern Limestone N/A

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

Elevation: Ground: 1960' Kelly Bushing: 1969'
Total Depth: 4740' Plug Back Total Depth: 3477'
Amount of Surface Pipe Set and Cemented at 231 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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. _____
8/28/2001 9/13/2001 12/04/2001
Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

Drilling Fluid Management Plan Ret on 4-6-04
(Data must be collected from the Reserve Pit)
Chloride content 14,000 ppm Fluid volume 1,700 bbls
Dewatering method used Hauled free fluids to disposal well
Location of fluid disposal if hauled offsite:
Operator Name: F.G. Holl Company, L.L.C.
Lease Name: KENNEDY SWD License No.: 5056
Quarter SW Sec. 30 Twp. 29 S. R. 12 East West
County: Pratt Docket No.: D-22,132

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: Franklin R. Greenbaum
Title: Exploration Manager Date: 12/27/2001

Subscribed and sworn to before me this 27th day of December, 2001

Notary Public: Sandra J. Doyle
Date Commission Expires: 2/04/2004

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

SANDRA J. DOYLE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 02/04/04

Operator Name: F.G. Holl Company, L.L.C. Lease Name: HICKS-JOHNSON Well #: 1-10
 Sec. 10 Twp. 30 S. R. 14 East West County: Barber

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: DAL/3CAL/GR HDIL/ECAL/GR ZDL/CN/ML/SL/GR & MINI LOG	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Herington 2206 (-239)</td> <td>Howard LS 3374</td> <td>(-1406)</td> </tr> <tr> <td></td> <td>Topeka 3447</td> <td>(-1481)</td> </tr> <tr> <td>Towanda 2333 (-364)</td> <td>King Hill 3595</td> <td>(-1623)</td> </tr> <tr> <td></td> <td>Heebner 3828</td> <td>(-1868)</td> </tr> <tr> <td>Fort Riley 2384 (-417)</td> <td>Toronto 3848</td> <td>(-1879)</td> </tr> <tr> <td></td> <td>Douglas SH 3873</td> <td>(-1907)</td> </tr> <tr> <td>B/Florence 2473(-507)</td> <td>Douglas SS 3887</td> <td>(-1918)</td> </tr> <tr> <td></td> <td>Brown LM 4006</td> <td>(-2040)</td> </tr> <tr> <td></td> <td>Lansing 4023</td> <td>(-2052)</td> </tr> <tr> <td>Red Eagle 2848(-879)</td> <td>Base L&C 4412</td> <td>(-2443)</td> </tr> <tr> <td>Tarkio 3204(-1238)</td> <td>Viola 4504</td> <td>(-2535)</td> </tr> <tr> <td>Bern LS 3298(-1331)</td> <td>Simpson SD 4547</td> <td>(-2578)</td> </tr> <tr> <td></td> <td>Arbuckle 4644</td> <td>(-2675)</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Herington 2206 (-239)	Howard LS 3374	(-1406)		Topeka 3447	(-1481)	Towanda 2333 (-364)	King Hill 3595	(-1623)		Heebner 3828	(-1868)	Fort Riley 2384 (-417)	Toronto 3848	(-1879)		Douglas SH 3873	(-1907)	B/Florence 2473(-507)	Douglas SS 3887	(-1918)		Brown LM 4006	(-2040)		Lansing 4023	(-2052)	Red Eagle 2848(-879)	Base L&C 4412	(-2443)	Tarkio 3204(-1238)	Viola 4504	(-2535)	Bern LS 3298(-1331)	Simpson SD 4547	(-2578)		Arbuckle 4644	(-2675)
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CASING RECORD <input checked="" 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	17 1/2"	13 3/8"	48#	231'KB	60/40 poz	275sx	2%gel & 3%cc
Production		4 1/2	10.5#	3507'KB	50/50 poz	125sx	
					Lite	50sx	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone	4642 (Arbu)	60/40poz	40sx	6%gel

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 BSPF	3414' - 3421' Howard	Treat w/ 500 gal 15% MCA acid	
		Retreat w/ 500gal 15% MIRA, 1000 gal 28%	
4 BSPF	3318' - 3322' Bern Limestone	Retreat perfs with 1250gal. 15% DSFE Acid.	
4 BSPF	3300' - 3304' Bern Limestone	Pumped 500 gal. 15% DSFE, 10 bbls water w/ 1500 gal. 28% DXTA.	

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
N/A			<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
N/A					

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

15-007-22673-0000

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SERVICES, LLC

SALES OFFICE:
105 S. Broadway
Suite #420
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

DEC 28 2001
12-28-01
KCC WICHITA

Invoice

Bill to:		3678275		Invoice	Invoice Date	Order	Order Date
F G HOLL P O BOX 158 BELPRE, KS 67519				109036	9/21/01	3978	9/13/01
Service Description							
Cement							
ENTD OCT							
Lease				Well			
Hicks-Johnson				1-10			
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms		
	Rob Long	T. Seba	New Well		Net 30		

9/30/01
10/17
4051050
8919.69

ID.	Description	UOM	Quantity	Unit Price	Price
D204	50/50 POZ (COMMON)	SK	125		
D206	A-SERV LITE (COMMOM)	SK	50		
C321	CEMENT GEL	LB	210		
C311	CAL SET	LBS	620		
C310	CALCIUM CHLORIDE	LBS	210		
C322	GILSONITE	LB	1250		
C196	FLA-322	LB	53		
C243	DEFOAMER	LB	11		
C223	SALT (Fine)	LBS	400		
C302	MUD FLUSH	GAL	500		
C303	"B" FLUSH	GAL	500		
F100	CENTRALIZER, 4 1/2"	EA	6		
F110	BASKET, 4 1/2"	EA	1		
F150	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1		
F230	CEMENTING SHOE PACKER TYPE, 4 1/2"	EA	1		
F252	ROTATING SCRATCHERS	EA	10		
R701	CEMENT HEAD RENTAL	EA	1		
R702	CASING SWIVEL RENTAL	EA	1		
E107	CEMENT SERVICE CHARGE	SK	175		
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	20		
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	160		
R208	CASING CEMENT PUMPER, 3501-4000'	EA	1		

KCC

DEC 27 2001
12-27-01
CONFIDENTIAL

Release
APR 06 2004
From
Confidential

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 ,

Accounts become past due the last day of the month following billing. Interest rate 1.5% per



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15-007-22673-0000

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ACIDIZING · FRACTURING · CEMENTING

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12-28-01
KCC WICHITA

Invoice

	<i>Discount Sub Total:</i>	
<i>Tax Rate:</i> 5.90%		<i>Taxes:</i>
<i>(T) Taxable Item</i>		<i>Total:</i>

KCC

DEC 27 2001

CONFIDENTIAL

Release
APR 06 2004
From
Confidential

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

15-057-22673-0000

ORIGINAL

CONFIDENTIAL

FIELD ORDER

03978



INVOICE NO.	
Date	9-13-01
Customer ID	

Subject to Correction			
Lease	Hicks-Johnson	Well #	1-10
County	Barber	State	Ks
Legal		Station	PRATT

CHARGE

F.G. Hall
 RECEIVED
 12-28-01
 DEC 28 2001
 AUG WICHITA

Depth		Formation		Shoe Joint	16.43 L.D. Plug
Casing	4 1/2	Casing Depth	3506'	TD	
Customer Representative	Rob Long	Treater	T. Seese	Job type	4 1/2 LOSTCIRK NEW Well

AFE Number		PO Number		Materials Received by	X Rob Long
------------	--	-----------	--	-----------------------	------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-204	125 sks	S/SO P2	✓			
D-206	50 sks	A-SERV. LITE	✓			
C-321	210 lb	CEMENT GEL	✓	KCC		
C-311	120 lb	CAL SET	✓			
C-310	210 lb	CALCIUM CHLORIDE	✓	DEC 27 2001		
C-322	1,200 lb	GILSONITE	✓	CONFIDENTIAL		
C-196	53 lb	FLA-322	✓			
C-243	11 lb	DEGRADER	✓			
C-223	400 lb	SALT CRYSTALS	✓			
C-302	500 GAL	MUD FLUSH	✓			
C-303	500 GAL	B-FLUSH	✓			
F-100	6 EA	Turbosizer 4 1/2	✓			
F-110	1 EA	CMT BASKET "	✓			
F-150	1 EA	L.D. Plug: Baffle "	✓			
F-237	1 EA	CEMENT SHOE PKRTYPE "	✓			
F-252	10 EA	CEMENT SCRATCHERS ROTARYTYPE ✓	✓			
R-701	1 EA	CEMENT HEAD RENTAL				
R-702	1 EA	CASING SURVEL RENTAL				
E-107	175 sks	CEMENT SERV CHARGE				
E-100	20 mr	UNITS 1 way MILES 20				
E-104	160 TM	TONS MILES				
R-208	1 EA	EA. 3507' PUMP CHARGE				
		DISCOUNTED PRICE =				
		+ TAXES				

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 From
 Confidential

15-007-22673-0000

RECEIVED

CONFIDENTIAL TREATMENT REPORT

03755



IDEC 28 2001
12-28-01
KCC WICHITA

Customer ID	Date	
Customer	ORIGINAL 9-13-01	
Lease	Lease No.	Well #
Hicks - Johnson		1-10
Field Order #	Station	Casing
0397B	Pratt	4 1/2
Type Job	Depth	County
4 1/2 Long string	3506'	Barber
Formation	Legal Description	State
NEW WELL	10-305-144	Ks

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	20 1/2 SPT F.	25 SKS	50 SO P 2	RATE	PRESS	ISIP
4 1/2				Pre Pad	3.5 1/2 GOR 1.5 BFT 3	Max		5 Min.
Depth	Depth	From	Perfor. MUD	Pad	50 SKS A SERV.	Min		10 Min.
3506'				Frac	12.8 1/2 GAL 1.81	Avg		15 Min.
Volume	Volume	From	Perfor. S-Phos	Flush	20-12-12	HHP Used		Annulus Pressure
		From				Gas Volume		Total Load
Max Press	Max Press	From						
		From						
Well Connection	Annulus Vol.	From						
		From						
Plug Depth	Packer Depth	From						
		From						

Customer Representative	Station Manager	Treater		
ROD LONG	D. ALTRY	T. SEBA		
Service Units	108	23	38	70

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00					KCC CALLED OUT
					ON LA W/IRK'S
					DEC 27 2001
					CONFIDENTIAL
					RUN 87 JTS 4 1/2 CS 10.5"
					PERFORATE PER 5106: 2.0 Baffle 1ST-1643
					CENT ON JTS 2-4-6-8-10-12 CNT BFL 1 JT
6:45					CSG ON BOTTOM BRK CCG W/IRK 2 hrs
8:45	1100				Drop set PER W/IRK
9:00	200				START PREFLUSHES
			20		SALT FLUSH
			3		H2O
			12		MUD FLUSH
			5		H2O
			12		B-flush
			5		H2O
9:14	250		9.05	5	START MAX LOAD
			35.17	1	START MAX TBL
			43.22		FENSHOB ma
9:24			10		SHUT DOWN CLEAR PUMP! LINES Release Plug
9:26	150			7	START DISP
	500		44	5	LIFT CNT
9:30	1000		55.48	3	Plug DOWN

Release

APR 06 2004

From

Confidential

20 SKS

PLUG RIM HOLES

SOB COMPLETE THANKS (100)

15-007-22673-0000



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12-28-01
KCC WICHITA

CONFIDENTIAL ORIGINAL

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(316) 672-5383 FAX

PAID OCT 17 2001
#3078
ACIDIZING - FACTURING - CEMENTING

Invoice

Bill to:			3678275	Invoice	Invoice Date	Order	Order Date
F G HOLL P O BOX 158 BELPRE, KS 67519			9/30/01 10/17 4051050	109035	9/21/01	3977	9/13/01
Service Description							
Cement							
				Lease		Well	
				Hicks-Johnson		1-10	
AFE	CustomerRep	Treater		Well Type	Purchase Order	Terms	
	Rob Long	T. Seba		New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D203	60/40 POZ (COMMON)	SK	40		
C321	CEMENT GEL	LB	140		
E107	CEMENT SERVICE CHARGE	SK	40		
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	20		
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	161		
R400	CEMENT PUMPER, PLUG & ABANDON (Workover Unit)	EA	1		

KCC
DEC 27 2001
CONFIDENTIAL

PAID OCT 17 2001

Discount
Tax Rate: 5.90%
(T) Taxable Item

Release
APR 06 2004
From
Confidential

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



INVOICE NO.		Subject to Correction					
Date	4-13-01	Lease	HICKS-JOHNSON	Well #	1-10	Legal	10-305-14W
Customer ID		County	BARBER	State	Ks	Station	FRAT
F.G. HOLL RECEIVED		Depth	Formation		Shoe Joint		
DEC 28 2001 12-28-01 WICHITA		Casing	472 D.P.	Casing Depth	4642'	TD	4740'
Customer Representative					Treator		
					T. SEBA		

CHARGE

AFE Number	PO Number	Materials Received by	X Rob [Signature]
------------	-----------	-----------------------	-------------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-203	40 SKS	10/40 P&Z CEMENT ✓				
C-321	140 lbs	CEMENT P&Z ✓				
E-107	40 SKS	CEMENT SERV. CHARGE				
KCC						
DEC 27 2001						
CONFIDENTIAL						
E-100	20 mi	UNITS 1 way MILES 20				
E-104	160 TM	TONS MILES				
D-400	1 EA	EA. 4642' PUMP CHARGE				
DISCOUNTED PRICE =						
+ TAXES						

Released
 APR 11 2014
 From
 [Signature]

RECEIVED
12-28-01
DEC 28 2001
KCC WICHITA

CONFIDENTIAL

15-007-22673-0000

TREATMENT REPORT

03754



Customer ID	Date	
Customer E.G. HOLL	9-13-01	
Lease Hicks - Johnson	Lease No.	Well # 1-10
Field Order # 83977	Station PRATT	County BARBER
Casing 4 1/2 D.P.	Depth 4682'	State KS

Type Job: Plug Back JOBS NEW WELL
Formation: _____ Legal Description: 10-30S-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2 D.P.	Tubing Size	Shots/Ft		Acid 40 SKS 60/40 Pbz		RATE	PRESS	ISIP
Depth 4682'	Depth	From	To	Pre Pad 6% Gel		Max		5 Min.
Volume	Volume	From	To	Pad 12.8 4/62L		Min		10 Min.
Max Press	Max Press	From	To	Frac 1.67 ft ³		Avg	ORIGINAL 15 Min.	
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative: Daryl Krizek Station Manager: D. Aultry Treater: T. Seba

Service Units	108	23	36	71				
---------------	-----	----	----	----	--	--	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	KCC Rate	Service Log
8:00					DEC 27 2001 CALLED OUT
9:45					CONFIDENTIAL ON Loc w/ truck's
					Run 4 1/2 D.P. TO 4682'
					PLUG 4682' 40 SKS 60/40 Pbz 6% Gel
11:15				5	Pump 11 1/2 AHEAD
			11.89		Mix = Pump 40 SKS
1:32			62.9		Balance + Disp w/ mud
					JOB COMPLETE
					THANKS
					TOSS
					Reliance
					APR 10 2004
					From
					Confidential

Mud-Co / Service Mud, Inc.

Operator FG Holl County/State Barber, SKS Pump 8 X 14 X 60 SPM Casing Program 13 3/8" - 231" R
 Well #1-10 Hicks - Johnson Location Sec 16 TWP 21S RNG 14W D.P. 4 1/2 in. 266 GPM 7.3 BPM
 Contractor Sterling Drilling #4 Sec 16 TWP 21S RNG 14W D.P. 4 1/2 in. 180 FTMIN R.A. 327 FTMIN R.A.
 Stockpoint Pratt, Ks. Date 08/28/01 Engineer Rick Hughes Collar 8 1/4 in. 477 ft. 4740 ft.
 Total Depth 4740 ft.

15-897-22673-0000

DATE	DEPTH	WEIGHT	Sec API	Viscosity	GELS	pH	FILTRATION	FILTRATION ANALYSIS	SAND	REPORT	L.C.M.	Pump	CHARITATIVE	REMARKS AND TREATMENT				
	feet	lb/gal	PV	Yp	10 sec / 10 min	Style - Meter	ml API	Clones #/BBL	Cl ppm	Ca ppm	%	Solids %	Oil %	Water %	and	PSI	COST	
08/28	230	9.7	29	1	2	01/02	7.0	NC	NC	500	40	10.0	90.0	0	620	375	Running surface casing	
08/29	816	9.2	28	2	4	01/02	7.0	NC	NC	49m	hvy	3.8	96.2	0	1,413	1,413	Drg., drilled to 950' w/ 12 1/4" no loss	
08/30	1467	9.2	28	2	4	01/02	7.0	NC	NC	2000	60	1.8	98.2	0	2,395	2,395	Drg., displace at 2522'	
08/31	2569	8.6	41	11	11	10/30	11.0	11.2	2	6000	120	4.0	96.0	0	2,943	2,943	Drg.	
09/01	2920	8.9	44	16	14	06/34	9.5	10.8	2	8600	120	6.0	94.0	0	3,384	3,384	DST #2	
09/02	3128	9.2	48	18	18	07/34	9.0	11.2	2	9200	80	5.8	94.2	0	3,949	3,949	DST #3	
09/03	3326	9.2	44	18	18	08/40	10.0	10.6	2	9200	80	7.5	92.5	0	5,068	5,068	Drg.	
09/04	3698	9.4	41	13	11	18/34	11.0	10.4	2	11m	40	7.4	92.8	1	6,200	6,200	Drg.	
09/05	4080	9.4	41	13	10	07/34	10.0	8.8	2	8000	70	6.0	94.0	1	7,052	7,052	DST #4	
09/06	4208	9.2	49	15	14	17/34	11.5	8.4	2	8200	60	7.5	92.5	1	7,648	7,648	DST #5	
09/07	4472	9.4	47	16	12	08/34	10.0	8.8	2	6000	60	8.2	91.8	1	8,254	8,254	DST #6	
09/08	4515	9.5	58	18	17	18/37	9.5	12.0	2	6300	50	8.0	92.0	1	8,254	8,254	DST #8	
09/09	4553	9.5	23	16	20	23/37	9.0	12.0	2	7200	60	8.0	92.0	1	8,254	8,254	DST #10	
09/10	4563	9.5	68	15	35	18/45	8.0	15.4	2	9000	140	8.0	93.5	1	8,830	8,830	Circ. DST #11 - 4569'	
09/11	4569	9.1	58	27	32	32/48	10.0	9.8	2	9000	40	6.5	93.5	1	8,989	8,989	Drg. DST #12 - 4598'	
09/12	4858	9.3	40	12	14	16/34	9.5	14.2	2	10m	120	6.5	93.5	1/2	9,942	9,942	Final, 12 DST's	
09/13	4740																Plugged well	

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MATERIALS	SACKS
C/S Hulls	86
Caustic Soda	31
Drill Pak	10
Dtg Detergent	5
Black Hills Gel	544
Soda Ash	36
Super Lig	28

MATERIALS	SACKS	AMOUNT
Total Mud Cost		
ucking Cost		
ucking surcharge		
ixes		
TOTAL COST		

MUD-CO / SERVICE MUD INC
 155 N. Market Suite #1050
 Wichita, Ks. 67202
 316/284-2814 Fax: 316/284-5024
 DRILLING MUD RECAP
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