

RECEIVED

DEC 13 2001

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 # 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 #1  
License: 5142  
Wellsite Geologist: Bill Ree

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  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. \_\_\_\_\_

9/22/2001 10/02/2001 11/08/2001  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 185-23,135-0000

County: Stafford 100' S of

N/2 SW/4 NW Sec. 21 Twp. 21 S. R. 11  East  West

1750 feet from S / N (circle one) Line of Section

660 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: SMITH ESTATE "B" Well #: 5-21

Field Name: Snyder

Producing Formation: Simpson Sand

Elevation: Ground: 1743' Kelly Bushing: 1752'

Total Depth: 3550 Plug Back Total Depth: 3500'

Amount of Surface Pipe Set and Cemented at 214' 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.

Drilling Fluid Management Plan Alt. 1 KJR 9/5/07  
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 500 bbls

Dewatering method used No free fluids

Location of fluid disposal if hauled offsite: N/A

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: Franklin R. Greenbaum

Title: Exploration Manager Date: 12/11/2001

Subscribed and sworn to before me this 11th day of December, 2001

Notary Public: Sandra J. Doyle

Date Commission Expires: 02/04/04



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: F.G. Holl Company, L.L.C. Lease Name: SMITH ESTATE "B" Well #: 5-21  
 Sec. 21 Twp. 21 S. R. 11  East  West County: Stafford

**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:  HDIL/3CAL/DAL/GR ZDL/CN/ML/SL MINILOG/CRA	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Herington 1474 (+278)</td> <td>Douglas SH 2988</td> <td>(-1236)</td> </tr> <tr> <td></td> <td>Brown IM 3088</td> <td>(-1336)</td> </tr> <tr> <td>Towanda 1589 (+163)</td> <td>LKC 3104</td> <td>(-1352)</td> </tr> <tr> <td></td> <td>BKC 3127</td> <td>(-1375)</td> </tr> <tr> <td>B/Florence 1728 (+24)</td> <td>Conglom. SH 3348</td> <td>(-1596)</td> </tr> <tr> <td></td> <td>Viola Chert 3350</td> <td>(-1598)</td> </tr> <tr> <td></td> <td>Simpson SH 3367</td> <td>(-1612)</td> </tr> <tr> <td>Red Eagle 2072 (-320)</td> <td></td> <td></td> </tr> <tr> <td>Topeka 2672 (-920)</td> <td>Simpson SD 3370</td> <td>(-1618)</td> </tr> <tr> <td>Heebner 2957 (-1205)</td> <td>Arbuckle 3422</td> <td>(-1670)</td> </tr> </tbody> </table>	Name	Top	Datum	Herington 1474 (+278)	Douglas SH 2988	(-1236)		Brown IM 3088	(-1336)	Towanda 1589 (+163)	LKC 3104	(-1352)		BKC 3127	(-1375)	B/Florence 1728 (+24)	Conglom. SH 3348	(-1596)		Viola Chert 3350	(-1598)		Simpson SH 3367	(-1612)	Red Eagle 2072 (-320)			Topeka 2672 (-920)	Simpson SD 3370	(-1618)	Heebner 2957 (-1205)	Arbuckle 3422	(-1670)
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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	12 1/4	8 5/8"	23#	214'KB	60/40 Poz	225sx	2% gel, 3%cc
Production	7 7/8"	5 1/2"	15#	3538'KB	50/50 Poz	150sx	
					Serv-Lite	25sx	

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 type="checkbox"/> Plug Off Zone				

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
		Spotted well with 500 gal 7 1/2 MSA Acid.	
4 BSDF	3370'-3375' Simpson Sand	Treated w/ 2,500 gal. 7 1/2 Mira Acid	
		Frac well with 8,000# 20/40 and	
		3,000# 12/20 brady	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>3440'</u>	Packer At <u>3338'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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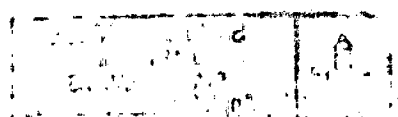
Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <u>10.4</u>	Gas Mcf	Water Bbls. <u>75.9</u>	Gas-Oil Ratio	Gravity
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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 3370' - 3375 Simpson SD





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OCT 15 2001

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**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

*Invoice*

<b>Bill to:</b>			3678275	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
F G HOLL P O BOX 158 BELPRE, KS 67519				110006	10/5/01	4041	10/3/01
<b>Service Description</b>							
Cement							
				<b>Lease</b>		<b>Well</b>	
				Smith Estate		B 5-21	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>		<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	Rob Long	K. Gordley		New Well		Net 30	

9/30/01  
 10/31  
 4051050  
 9920.52

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>
D204	50/50 POZ (COMMON)	SK	150
D206	A-SERV LITE (COMMOM)	SK	50
C310	CALCIUM CHLORIDE	LBS	252
C311	CAL SET	LBS	750
C322	GILSONITE	LB	1400
C196	FLA-322	LB	63
C243	DEFOAMER	LB	13
C321	CEMENT GEL	LB	252
F101	CENTRALIZER, 5 1/2"	EA	7
F111	BASKET, 5 1/2"	EA	1
F131	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1
F161	GUIDE SHOE-REGULAR, 5 1/2"	EA	1
F201	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1
F252	ROTATING SCRATCHERS	EA	50
C302	MUD FLUSH	GAL	500
C303	"B" FLUSH	GAL	500
C223	SALT (Fine)	LBS	400
E107	CEMENT SERVICE CHARGE	SK	200
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	55
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	465
R208	CASING CEMENT PUMPER, 3501-4000'	EA	1
R701	CEMENT HEAD RENTAL	EA	1
R702	CASING SWIVEL RENTAL	EA	1

RECEIVED

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



INVOICE NO.	Subject to Correction		
Date 10-3-01	Lease SMITH ESTATE B	Well # 5-21	Legal 21-21-11
Customer ID	County STAFFORD	State KS.	Station Pratt, KS
F. G. HOLL		Depth	Formation
RECEIVED		Casing 5 1/2	Casing Depth / TD 3538' / 3550
DEC 13 2001		Customer Representative ROB LONG	Treater K. GORDLEY

AFE Number PO Number **AGC WICHITA**

Materials Received by **X Rob Long**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D204	150 SK	50/50 POZ CEMENT	✓			
D206	50 SK	A-SERV LITE CEMENT	✓			
C310	252 lb.	CALCIUM CHLORIDE	✓			
C311	750 lb.	CAL SET	✓			
C322	1400 lb.	GILSONITE	✓			
C196	63 lb.	FLUA-322	✓			
C243	13 lb.	DEFORMER	✓			
C321	252 lb.	CEMENT GEL	✓			
F101	7 EA.	5 1/2 TURBOLEZER	✓			
F111	1 EA.	5 1/2 BASKET	✓			
F131	1 EA.	5 1/2 TOP RUBBER PLUG	✓			
F161	1 EA.	5 1/2 GUDEE SHOE	✓			
F201	1 EA.	5 1/2 INSERT FLOAT VALVE	✓			
F252	50 EA.	ROTHTE CEMENT SCRAPER	✓			
C302	500 gal	MUD FLUSH	✓			
C303	500 gal	B FLUSH	✓			
C223	400 lbs	SUCT	✓			
E107	200 SK	CEMENT SERV. CHARGE				
E100	55 mi <sup>2</sup>	UNITS	MILES			
E104	465 TM	TONS	MILES			
R208	1 EA.	EA. 3538'	PUMP CHARGE			
R701	1 EA.	CEMENT HEAD RENTAL				
R702	1 EA.	CASING SWIVEL RENTAL				
DISCOUNTED PRICE =				9720.52		
PLUS TAX						

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KCC WICHITA

ORIGINAL

TREATMENT REPORT

03902



Customer ID		Date	
Customer F. G. HOLL		10-3-01	
Lease SMITH ESTATE "B"		Lease No.	Well # 5-21

Old Order # 04041	Station PRATT, Ks.	Casing 5 1/2	Depth 3538'	County STAFFORD	State KS.
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LONG STRING - NEW WELL

Formation	Legal Description 21-21-11
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PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid - 50 SK A-SERU LITE	RATE	PRESS	ISIP	
Depth 3538	Depth	From	To	Rate-Pad 10 #/SK GILSONITE	Max		5 Min.	
Volume	Volume	From	To	Rate - 150 SK 50/50 POZ	Min		10 Min.	
Max Press	Max Press	From	To	Rate 4% GEL, 2% CE, 5% K	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	Rate GDS, - 5% FLA-322	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Rate - 1% DEFRAMER	Gas Volume		Total Load	

Customer Representative B. LONG	Station Manager D. HATRY	Treater K. GORDLEY
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Service Units	107	26	34	72
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2000					DIU LOCATED 10-2-01
					RUN GUIDE SHOE, INSERT FLOAT,
					CENTRALIZER 1-2-3-4-5-6-7
					BASKET ON - 4, 250' OF SCRATCHERS
0200					TAG BOTTOM, DROP BALL, BRAML CORE
					ROTATE CASING,
0410	200		20	6	PUMP 20 BBL START FLUSH
	200		12	6	PUMP 12 BBL MUD FLUSH
	200		5	6	PUMP 5 BBL H2O SPACER
	200		12	6	PUMP 12 BBL START FLUSH
	200		5	6	PUMP 5 BBL H2O SPACER
	100		0	6	MIX CEMENT
	100		50	6	25 SKS A-SERU, 150 SKS 50/50 POZ
					FEWISH MIX CEMENT
					SHEET DOWN - WASH LINE - DROP PUC
	0		0	8	START DISP
	300			8	LEFT CEMENT
	600		81	5	SLOW RATE
0500	1200		86	5	PLUG DOWN
					RELEASE - FLOAT HEAD
					PLUG RT of WH. - 25 SK A-SERU.

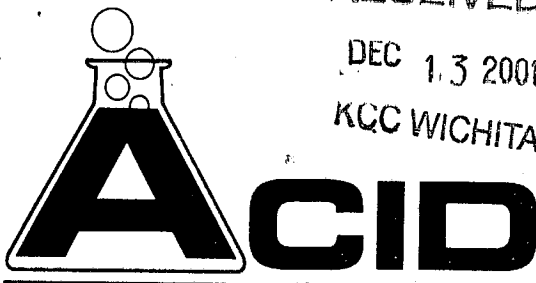
10244 NE Hiway 61 • P. O. Box 8613 • Pratt, KS 67124-8613 • Phone (316) 672-1201 • FAX (316) 672-5383

0600 White - Accounting • Canary - Customer Job Field Office COMPLETE - THANKS JESSE

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KCC WICHITA



SERVICES, LLC

ORIGINAL

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

### Invoice

Bill to:		3678275	Invoice	Invoice Date	Order	Order Date
F G HOLL P O BOX 158 BELPRE, KS 67519			109077	9/25/01	3915	9/22/01
<b>Service Description</b>						
Cement #5						
<b>Lease</b>				<b>Well</b>		
Smith Estate				B 5-21		
<b>AFE</b>		<b>CustomerRep</b>		<b>Treater</b>		<b>Well Type</b>
		Kenny Thompson		D. Scott		New Well
				<b>Purchase Order</b>		<b>Terms</b>
						Net 30

9/30/01  
10/24  
4051050 #

ID.	Description	UOM	Quantity
D203	60/40 POZ (COMMON)	SK	225
C310	CALCIUM CHLORIDE	LBS	582
C195	CELLFLAKE	LB	49
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1
R701	CEMENT HEAD RENTAL	EA	1
E107	CEMENT SERVICE CHARGE	SK	225
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	55
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	534
R200	CASING CEMENT PUMPER, 0-300'	EA	1

S

Discount S

Tax Rate: 5.90%

(T) Taxable Item

ENTD OCT - 7 2001

RECEIVED  
2001

Rob J

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

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

ORIGINAL 03945



INVOICE NO.	Subject to Correction			<b>FIELD ORDER</b>	
Date	9-22-01	Lease	Smith Estate	Well #	B 5-21
Customer ID		County	Stafford	State	KS
		Depth	23ppf	Formation	TD 217'
		Casing	8 7/8	Casing Depth	213'
		Shoe Joint	10 Required		
		Job Type	Surface New Well		
		Customer Representative	Kenny Thompson		Treater
					D. Scott

AFE Number	PO Number	Materials Received by	X K. L. Thompson
------------	-----------	-----------------------	------------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	225 sk	60/40 por Common	✓			
E310	582 lb	Calcium Chloride	✓			
E195	49 lb	Cell Flake	✓			
F143	1 ea	Top wood Plug	✓			
R701	1 ea	Cmt Head Rental				
E107	225 sk	Cmt Serv Charge				
E100	1 ea	UNITS /way MILES 55				
E104	534 tm	TONS /way MILES 55				
R200	1 ea	EA. 0-300' PUMP CHARGE				
Discounted Price =				3303.96		
Plus Tax						

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NCC WICHITA



TREATMENT REPORT

03604

Customer ID	Date
Customer <i>F 6-1-011</i>	<i>9-22-01</i> ORIGINAL
Lease <i>Smith Estate</i>	Lease No. <i>B 5-21</i>
Casing <i>8 5/8</i> Depth <i>215</i>	County <i>Stafford</i> State <i>KS</i>
Field Order # <i>03915</i> Station <i>Pratt KS</i>	Formation
Type Job <i>8 5/8 Surface New Well</i>	Legal Description <i>21-21-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size <i>4 1/2</i>	Shots/Ft		Acid <i>225 sks 60/40 poz</i>	RATE	PRESS <i>1500</i>	ISIP	
Depth <i>207</i>	Depth <i>207</i>	From	To	Pre Pad <i>2% Gel 3% CC 4% cell</i>	Max		5 Min.	
Volume <i>13.2</i>	Volume	From	To	Pad <i>1.25 #3 14.5 ppg</i>	Min		10 Min.	
Max Press <i>1000</i>	Max Press	From	To	Frac <i>30.0 Bbls SL</i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	<i>13.2 Bbls Disp</i>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative *Kenny Thompson* Station Manager *D. Austry* Treater *D. Scott*

Service Units	<i>106</i>	<i>23</i>	<i>368-72</i>					
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1400</i>					<i>On loc w/Trk's Safety mtg Csg on Bottom Break Circ</i>
<i>2007</i>	<i>300</i>			<i>6</i>	<i>St mixing Cmt @ 14.5 ppg 225 sks</i>
<i>2016</i>	<i>0</i>		<i>30</i>	<i>0</i>	<i>Finish mixing Cmt</i>
<i>2018</i>	<i>0</i>			<i>0</i>	<i>Chose Ina Release Plug</i>
<i>2020</i>	<i>100</i>			<i>4</i>	<i>St Disp w/ Had</i>
<i>2023</i>	<i>200</i>		<i>13.2</i>	<i>0</i>	<i>Disp In - Chose In manifold Circ 9 Bbls Cmt = 40 sks</i>
					<i>Job Complete Thank you Scotty</i>



ORIGINAL

# Mud-Co / Service Mud, Inc.

Operator **FG Holl** County/State **Stafford, Ks.** Pump **5 3/4** X **14** X **68** SPM Casing Program **8 5/8** @ **214** ft.  
 Well **#5-31 Smith Estate 'B'** Location \_\_\_\_\_ GPM **7.5** BPM \_\_\_\_\_ @ \_\_\_\_\_ ft.  
 Contractor **Stering Drilling #1** Sec **21** TWP **21S** RNG **11W** D.P. **4 1/2** in. **185** FT/MIN R.A. \_\_\_\_\_ @ \_\_\_\_\_ ft.  
 Stockpoint **Pratt, Ks.** Date **09/22/01** Engineer **Rick Hughes** Collar **6 1/4** in. **489** ft. **336** FT/MIN R.A. Total Depth **3550** ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip _ Meter _	FILTRATION		FILTRATION ANALYSIS			SAND %	RETORT			L.C.M. #/bbl	Pump Press. PSI	CUMULATIVE COST	REMARKS AND TREATMENT
			Sec API @_F	PV @_F	Yp			ml API	Cake 32nds	Pres. #/BBL	Cl ppm	Ca ppm		Solids %	Oil %	Water %				
09/22	0																	474	Prepare to spud	
09/24	1578	10.1	30	4	9	01/02	7.0	nc	nc		116m	hvy	tr	6.1		93.9		2,037	Drig.	
06/25	2109	8.7	60	19	19	21/35	12.0	8.0	1		2500	40	tr	2.6		97.4		2,857	Drig., dusplace at 2078'	
09/26	2713	9.1	47	15	13	18/36	11.0	8.4	2		4300	40	tr	6.8		93.2		3,733	Drig.	
09/27	3092	9.4	42	14	10	10/34	10.5	8.8	2		5000	40	tr	7.6		92.4		4,454	Drig.	
09/28	3198	9.3	63	16	17	22/45	10.0	10.2	2		9000	60	tr	6.6		93.4		4,507	CFS	
09/29	3278	9.3	72	10	36	38/49	9.5	14.8	2		12m	120	tr	6.4		93.6		4,793	DST #3, DST #1-3175', DST #2-3198'	
09/30	3386	9.2	59	10	46	25/38	9.0	14.6	2		18m	320	tr	5.3		94.7		5,384	DST #5, DST #4-3368'	
10/01	3422	8.9	44	12	28	22/53	10.0	13.4	2		15m	160	tr	3.3		96.7		5,771	Drig., DST #6 - 3405'	
10/02	3550	9.1	60	12	35	26/54	10.5	10.4	2		15m	100	tr	4.8		95.2		6,849	Logging., DST #7 - 3434'	
																			Reserve pit: 12,000 ppm chloirdes 500 bbls volume	

**MUD-CO / SERVICE MUD INC**

155 N. Market Suite #1050  
 Wichita, Ks. 67202  
 316/264-2814 Fax: 316/264-5024

**DRILLING MUD RECAP**

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AGG WICHITA

MATERIALS	SACKS	AMOUNT	MATERIALS	SACKS	AMOUNT	MATERIALS	SACKS	AMOUNT
C/S Hulls	21	194.25						
Caustic Soda	20	789.00						
Drill Pak	8	2313.12						
Drig Detergent	3	21.45						
Black Hills Gel	380	2736.00						
Soda Ash	31	444.85						
Super Lig	18	328.5						
							Total Mud Cost	6,827.17
							Trucking Cost	592.70
							Trucking surcharge	59.27
							Taxes	
							<b>TOTAL COST</b>	<b>7,479.14</b>