

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 30606

Name: Murfin Drilling Co., Inc.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser: Genesis

Operator Contact Person: Larry M. Jack

Phone (316) 267-3241

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Paul Gunzelman

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: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

5/17/00 5/21/00 8/12/00
Spud Date Date Reached TD Completion Date

API NO. 15- 147-20,595 - 00 - 00

County Phillips

Spot 108' SW of C - NE NW Sec. 23 Twp. 5S Rge 20W E W

700 N Feet from S (circle one) Line of Section

3400 E Feet from E (circle one) Line of Section

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

Lease Name HANSEN "C" Well # 16

Field Name HANSEN

Producing Formation Arbuckle

Elevation: Ground 2166 KB 2171

Total Depth 3675' PBSD 3522'

Amount of Surface Pipe Set and Cemented at 268 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1689 Feet

If Alternate II completion, cement circulated from 1698

feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan DF #2 HR 7/16/07
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

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 on 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 Larry M. Jack
Title Larry M. Jack, Production Manager Date 9/29/00
Subscribed and sworn to before me this 29th day of Sept. 2000.
Notary Public Connie Jarry
Date Commission Expires January 1, 2001

CONNIE JARRY
Notary Public - State of Kansas
My Appt. Expires January 1, 2001

10-9-00 K.C.C. OFFICE USE ONLY
F Deny Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator name Murfin Drilling Co., Inc.

Lease Name HANSEN "C" Well # 16

Sec. 23 Twp. 5S Rge. 20

East
 West

County Phillips

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.Log
Dual Induction Log; Compensated Neutron Density
PE Log; Sonic Cement Bond Log; Micro Log

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
SEE ATTACHED		

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	24#	268'	Common	180	3% cc 2% gel
Production	7.875	5 1/2"	15#	3670'		200	60/40 Poz

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Csg				
<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
4	3347-49'	2,000 gals total NEFE	3349'
4	3419-21'		3421'
4	3517-19'	250 gals., retreat w/ 750 gals. NEFE	3519'

TUBING RECORD	Size 2 7/8"	Set At 3458'	Packer At	Liner <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 8/12/00	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other
Estimated Production Per 24 Hours	Oil 20 Bbls Gas Mcf Water 250 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

*****FINAL REPORT***
HANSEN C #16**

ORIGINAL

Operator: MURFIN DRILLING COMPANY, INC.
Contractor: MURFIN DRILLING COMPANY, INC. Rig #8

RECEIVED
STATE CORPORATION COMMISSION

OCT 4 2000

Contact Person: Scott Robinson
Phone Number: 316-267-3241
Well Site Geologist: Paul Gunzelman

700' FNL 3400' FEL
Sec. 23-5S-20W
Phillips County, Kansas

Call Depth: 2600'
Spud: 3:30 p.m. 5/17/00
Est. TD: 3650'

API# 15-147-20595
Casing: 8 5/8" @ 250'
Elevation: 2166' GL
2171' KB

DAILY INFORMATION:

5/17/00 MIRT.

5/18/00 Spud @ 3:30 p.m. 5/17. Depth 500'. Cut 500'. DT: 8 hrs. (WOC). CT: none. Dev.: 1/2° @ 268'. Set 7 jts. = 260.73' of 8 5/8" surf. csg. @ 268', cmt'd w/ 180 sx. Comm., 3% cc, 2% gel, plug down @ 8:00 p.m. 5/17, drilled out plug @ 4:00 a.m. 5/18, Circ. 6 bbls. by Allied.

5/19/00 Drilling @ 2470'. Cut 1970'. DT: none. CT: none. Dev.: none.

5/20/00 Drilling @ 3270'. Cut 800'. DT: none. CT: none. Dev.: none.

5/21/00 RTD @ 3675'. Cut 405'. DT: none. CT: 6 1/4 hr. Dev.: 1° @ 3675'. HC @ 12:45 a.m. Began logging: 5:45 a.m., 5/21.

5/22/00 RTD @ 3675'. CT: 12 1/2 hrs. Logging complete @ 9:45 a.m. 5/21/00 by ELI. Ran 87 jts of 5 1/2" prod. csg. set @ 3670', cmt'd w/200 sx. EA-2. plug down @ 7:00 p.m. 5/21 by Acid Service. Port collar @ 1690'. Rig released @ 7:30 p.m. 5/21/00.

<u>Formations</u>	<u>Sample Tops</u>	<u>Log Tops</u>	<u>Hansen C #15</u>
Anhydrite	1640 +531	1638 +533	+3
B/Anhydrite	1668 +503	1666 +505	+5
Topeka	3014 -843	3010 -839	+23
Heebner	3213 -1042	3210 -1039	+19
Toronto	3236 -1065	3234 -1063	+19
Lansing	3256 -1085	3252 -1081	+18
BKC	3461 -1290	3458 -1287	+12
Arbuckle	3518 -1347	3514 -1343	+29
RTD	3675		
LTD		3675 -1504	

ALLIED CEMENTING CO., INC.

P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

ORIGINAL

* INVOICE *

Invoice Number: 081298

Invoice Date: 05/17/00

Sold Murfin Drilling Co.
 To: 250 N. Water, St. #300
 Wichita, KS
 67202

Cust I.D.....: Murfin
 P.O. Number...: Hansen C-16
 P.O. Date.....: 05/17/00

Due Date: 06/16/00
 Terms: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	180.00	SKS	6.3500	1143.00	E
Gel	3.00	SKS	9.5000	28.50	E
Chloride	6.00	SKS	28.0000	168.00	E
Handling	180.00	SKS	1.0500	189.00	E
Mileage (.60)	60.00	MILE	7.2000	432.00	E
180 sks @ \$.04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
Mileage pmp trk	60.00	MILE	3.0000	180.00	E
Plug	1.00	EACH	45.0000	45.00	E

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$ 265.55
 ONLY if paid within 30 days from Invoice Date

Subtotal: 2655.50
 Tax: 0.00
 Payments: 0.00
 Total: 2655.50

ORIGINAL

COPIED

ALLIED CEMENTING CO., INC.

3569

Federal Tax I.D. [REDACTED]

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

SERVICE POINT: Russell

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
5/17/00					7:00 a.m.		
LEASE <u>Hansen</u>		WELL # <u>C-16</u>		LOCATION <u>Logan SS 1E 1N 12E</u>		COUNTY <u>Phillips</u>	STATE <u>Ks.</u>
OLD OR <u>NEW</u> (Circle one)				<u>N TO Well</u>			

CONTRACTOR Martin #8
 TYPE OF JOB Surface Pipe
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 5/8 DEPTH 2108
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 10-15
 PERFS.
 DISPLACEMENT 1 1/4 BNI
 EQUIPMENT
 PUMP TRUCK CEMENTER Paul
 # 345 HELPER Mark
 BULK TRUCK
 # 213 DRIVER Jason
 BULK TRUCK
 # DRIVER

OWNER
 CEMENT
 AMOUNT ORDERED 1812 Com 3% Gel
270 Gel
 COMMON 180 @ 6.35 1143.00
 POZMIX @
 GEL 3 @ 9.50 28.50
 CHLORIDE 6 @ 28.00 168.00
 @
 @
 @
 @
 @
 @
 HANDLING @ 1.05 189.00
 MILEAGE 2215K/mile 432.00
 TOTAL 1960.50

REMARKS:

SERVICE

Cement Circulated!
Thank You!

DEPTH OF JOB
 PUMP TRUCK CHARGE 470.00
 EXTRA FOOTAGE @
 MILEAGE 60 @ 3.00 180.00
 PLUG 85B @ 45.00
 @
 @
 TOTAL 695.00

CHARGE TO: Martin
 STREET
 CITY STATE ZIP

FLOAT EQUIPMENT

@
 @
 @
 @
 @
 TOTAL

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 Louis McPenna

LOUIS McPENNA
 PRINTED NAME



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:		5873197	Invoice	Invoice Date	Order	Order Date
MURFIN DRILLING			689	6/29/00	2506	6/26/00
Box 288			Service Description			
Russell, KS 67605			Cement			
			Lease		Well	
			Hansen		C-16	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	Rick Hockman	Kevin Gordley	New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D200	'A-CON' BLEND	SK	200	\$13.38	\$2,676.00
C310	CALCIUM CHLORIDE	LBS	358	\$0.60	\$214.80
E107	CEMENT SERVICE CHARGE	SK	200	\$1.50	\$300.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	180	\$3.00	\$540.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1611	\$1.25	\$2,013.75
R400	CEMENT PUMPER, PLUG & ABANDON (Workover Unit)	EA	1	\$650.00	\$650.00

Sub Total: \$6,394.55
Discount: \$2,247.84
Discount Sub Total: \$4,146.71
 Tax Rate: 5.90% **Taxes:** \$0.00
 (1) Taxable Item **Total:** \$4,146.71

Cement Port Collar.

Comp exp

USED FOR 44 New Well

APPROVED Rick Hockman M

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.
Date *6-26-00*
Customer ID

Subject to Correction

FIELD ORDER

02506

Lease *HANSEN CO* Well # *16* Legal *23-53-20W*
County *ARTHUR* State *KS* Station *HEATH*

CHARGE

MURPHY DRILLING
Depth Formation Shoe Joint
Casing *5 1/2* Casing Depth *3670* TD Job Type *NEW WELL CEMENT PORT COLLAR*
Customer Representative *Rick Hochman* Treater *Kevin Gorsley*

AFE Number PO Number Materials Received by *X Rick Hochman*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
<i>D200</i>	<i>200 SKS</i>	<i>A-CON CEMENT</i>				
<i>C30</i>	<i>358 lbs</i>	<i>CALCIUM CHLORIDE</i>				
<i>E107</i>	<i>200 SKS</i>	<i>CEMENT SERVICE CHARGE</i>				
<i>E100</i>	<i>180 miles</i>	UNITS / WWD MILES				
<i>E104</i>	<i>161 TM.</i>	TONS MILES				
<i>R400</i>	<i>1 EA.</i>	EA. SERVICE PUMP CHARGE				
<i>Discounted Price =</i>				<i>4146.71</i>		
<i>PLUS TAX</i>						



TREATMENT REPORT

ORIGINAL

Customer ID		Date	
Customer <i>MUREN DRILLING</i>		<i>6-26-00</i>	
Lease <i>HANSEN "C"</i>		Lease No.	Well # <i>16</i>
Field Order # <i>02506</i>	Station <i>Pratt, KS</i>	Casing <i>5 1/2</i>	Depth <i>3670</i>
Type Job <i>CEMENT PORT COLLAR - NEW WELL</i>		County <i>PHILLIPS</i>	State <i>KS</i>
Formation		Legal Description <i>23-55-20W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>2 7/8</i>	Shots/Ft		100 <i>200 SLS A-COV</i>	RATE	PRESS	ISIP	
Depth <i>3670</i>	Depth <i>1689</i>	From	To	Pre-Pad <i>2% C.C.</i>	Max		5 Min.	
Volume	Volume <i>9.7</i>	From	To	Post <i>11.2 PG, 3.13 A³/X</i>	Min		10 Min.	
Max Press	Max Press	From	To	Free	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	<i>PORT COLLAR</i>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>AT 1689'</i>	Gas Volume		Total Load	

Customer Representative <i>RICK</i>	Station Manager <i>DAVE RUTY</i>	Treater <i>KEVIN CORSEY</i>
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Service Units	<i>107</i>	<i>35</i>	<i>57</i>	<i>34</i>	<i>70</i>
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Time	Casing Pressure	Tubing Pressure	Bbts. Pumped	Rate	Service Log
<i>1130</i>					<i>ON LOCATION</i>
<i>1233</i>	<i>1000</i>	<i>1000</i>	<i>1</i>	<i>1</i>	<i>PRESSURE TEST CASING - HELD</i>
	<i>300</i>	<i>300</i>			<i>LEAVE 300 PSI ON CASING</i>
					<i>OPEN PORT COLLAR</i>
<i>1235</i>		<i>400</i>	<i>0</i>	<i>3</i>	<i>PUMPING 38BPM AT 400 PSI</i>
		<i>300</i>	<i>15</i>	<i>3</i>	<i>PUMP 15 bbl H₂O</i>
		<i>300</i>	<i>0</i>	<i>2 3/4</i>	<i>START MIX CEMENT</i>
			<i>25</i>		<i>SLIGHT BLOW ON BRADENHEAD</i>
		<i>300</i>	<i>55</i>	<i>2 3/4</i>	<i>100 SLS. MIXED</i>
			<i>61</i>		<i>BRADENHEAD CIRC H₂O SLOWLY</i>
<i>1313</i>		<i>200</i>	<i>110</i>	<i>2 3/4</i>	<i>FINISH MIX CEMENT</i>
<i>1314</i>		<i>200</i>	<i>0</i>	<i>2</i>	<i>START DESP.</i>
<i>1318</i>		<i>400</i>	<i>9 1/2</i>	<i>2</i>	<i>SHUT DOWN - 9 1/2 OUT</i>
					<i>RED NOT CORE. CEMENT</i>
					<i>CLOSE PORT COLLAR</i>
<i>1321</i>	<i>1600</i>	<i>1000</i>			<i>PRESSURE TEST CASING - HELD</i>
<i>1335</i>	<i>200</i>		<i>20</i>	<i>2</i>	<i>RUN 3 JTS. & REVERSE OUT</i>
					<i>2 CEMENT PLUGS.</i>
<i>1400</i>					<i>JOB COMPLETE</i>
					<i>Thanks</i>



ORIGINAL

State Report

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:		5865000	Invoice	Invoice Date	Order	Order Date
MURFIN DRILLING CO. P.O. Box 277 Logan, KS 67646			565	5/25/00	2466	5/21/00
Service Description						
Cement - Longstring						
			Lease		Well	
			Hansen C		16	
A/E	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	Rick Hockman	Kevin Gordley	New Well		Net 30	

ID.	Description	UOM	Quantity	Unit Price	Price
D204	AA2	SK	200	\$13.56	\$2,712.00
D202	60/40 POZ	SK	25	\$8.00	\$200.00
C196	FLA-322	LB	94	\$7.25	\$681.50
C223	SALT (Fine)	LBS	1181	\$0.35	\$413.35
C300	"A" FLUSH	GAL	5	\$20.00	\$100.00
F252	ROTATING SCRATCHERS	EA	20	\$30.00	\$600.00
F101	CENTRALIZER, 5 1/2"	EA	10	\$61.00	\$610.00
F161	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$115.00	\$115.00
F201	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$81.00	\$81.00
F111	BASKET, 5 1/2"	EA	1	\$152.50	\$152.50
F131	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$50.00	\$50.00
F223	CEMENT PORT COLLAR, 5 1/2"	EA	1	\$1,858.00	\$1,858.00
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00
E107	CEMENT SERVICE CHARGE	SK	225	\$1.50	\$337.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	180	\$3.00	\$540.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1890	\$1.25	\$2,362.50
R208	CASING CEMENT PUMPER, 3501-4000'	EA	1	\$1,600.00	\$1,600.00

Sub Total: \$12,538.35

Discount: \$4,368.92

Discount Sub Total: \$8,169.43

Tax Rate: 5.90%
 (T) Taxable Item

Taxes: \$0.00

Total: \$8,169.43

USED FOR New Well

APPROVED Rick Hockman

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.



TREATMENT REPORT

017.17
ORIGINAL

Customer ID	Date				
Customer <i>MUREN DRILLING</i>	<i>5-21-00</i>				
Lease <i>HANSEN "C"</i>	Lease No.				
	Well # <i>16</i>				
Field Order # <i>02466</i>	Station <i>Pratt, Ks.</i>	Casing <i>5 1/2</i>	Depth <i>3670</i>	County <i>PHILLIPS</i>	State <i>Ks.</i>

Type Job *LOWESTRONG - NEW WELL* Formation _____ Legal Description *23-55-20W*

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>5 1/2</i>				<i>200 SPS. AA2</i>				
Depth	Depth	From	To	Pre-Pad	Max			5 Min.
<i>FOOT COLLAR AT</i>	<i>1689'</i>			<i>CEMENT 10% SALT</i>				
Volume	Volume	From	To	Mid	Min			10 Min.
				<i>5% FCM-302</i>				
Max Press	Max Press	From	To	Free	Avg			15 Min.
				<i>14.8" 1.48 #/GAL</i>				
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative _____ Station Manager *DAVE HATED* Treater *KEVIN GORDON*

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
<i>1400</i>			<i>107</i>	<i>23</i>	<i>34</i>	<i>72</i>	<i>ON LOCATION TD-3675'</i>
							<i>RUN 87 JTS. 5 1/2" 15.5' CASING - 3670'</i>
							<i>RUN GUIDE SHOE, INSERT FRONT INJST</i>
							<i>COLLAR. RUN FOOT COLLAR ON TOP</i>
							<i>OF JT. # 47-1689'. CENTRALIZER ON-</i>
							<i>1-2-3-5-7-9-11-13-46-48 BASKET ON #46.</i>
							<i>210' OF SCRATCHERS.</i>
							<i>SET CASING AT</i>
							<i>BREAK CEMENT W/ HAND PUMP - ROTATE</i>
<i>1830</i>	<i>250</i>		<i>20</i>	<i>5</i>			<i>PUMP 20 BBL "A" FLUSH</i>
			<i>5</i>	<i>5</i>			<i>PUMP 5 BBL H₂O SPUR</i>
			<i>0</i>	<i>5</i>			<i>START MIX CEMENT (200 SPS.)</i>
<i>1850</i>	<i>150</i>		<i>52</i>	<i>5</i>			<i>FLUSH MIX CEMENT AA2 CEMENT</i>
							<i>SHUT DOWN - WASH CEMENT - DRIP PUMP</i>
<i>1853</i>	<i>0</i>		<i>0</i>	<i>8</i>			<i>START DISP.</i>
	<i>400</i>		<i>55</i>	<i>7</i>			<i>LIFT MIX CEMENT</i>
	<i>800</i>		<i>82</i>	<i>4</i>			<i>SLOW RATE</i>
<i>1705</i>	<i>1500</i>		<i>81.3</i>	<i>4</i>			<i>PUMP DOWN</i>
							<i>RETRIEVE</i>
<i>1730</i>							<i>JOB COMPLETE</i>
							<i>THANKS KEVIN</i>



INVOICE NO.	Subject to Correction			FIELD ORDER	02466
Date 3-21-00	Lease HANSEN	Well # 16	Legal 23-55-20W		
Customer ID	County PHILLIPS	State KS.	Station PRATT, KS.		
CHARGE MURFIN DRILLING	Depth	Formation	Shoe Joint		
	Casing 5 1/2	Casing Depth 3670	TD 3675	Job Type LONGSTRAK - NEW WELL	
	Customer Representative		Treater KEVIN GORDLEY		

AFE Number _____ PO Number _____ Materials Received by **X Ric Hochman**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D204	200 SKS	HA 2 CEMENT				
D202	25 SKS	60/40 POZ CEMENT				
C196	94 lbs.	FLA-322 (-5% FLUID LOSS)				
C223	1181 lbs.	SALT (10% ₁₀)				
C300	5 gal.	"A" FLUSH				
E252	20 EA.	ROTATING SCRATCHERS				
E101	10 EA.	5 1/2 CENTRALIZERS				
F161	1 EA.	5 1/2 GUIDE SHOE				
F201	1 EA.	5 1/2 INSERT FLOAT				
F111	1 EA.	5 1/2 CEMENT BASKET				
E131	1 EA.	5 1/2 TOP RUBBER PLUG				
E223	1 EA.	5 1/2 PORT COLLAR				
R702	1 EA.	5 1/2 ROTATING HEAD				
E107	225 SKS	CEMENT SERVICE CHARGE				
E100	180 miles	UNITS 1 WAY MILES				
E104	1890 TM	TONS MILES				
R208	1 EA.	EA. 3670' PUMP CHARGE				
		BED PRICE =		8169.42		
		PLUS TAX				

SWIFT SERVICES, INC.

PO BOX 466

NESS CITY, 67560-0466

ORIGINAL

Invoice

DATE	INVOICE #
7/14/00	2547

BILL TO
Murfin Drilling Co. Inc. PO Box 277 Logan, KS 67646-0277

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Operator	Job Purpose
Net 30	16	Hansas "C"	Phillips		Oil	Development	Lenny	Acidize perfs
PRICE REFERE...	DESCRIPTION				QTY	UNIT PRICE	AMOUNT	
500D	Milage 7-24-00				50	2.50	125.00	
501D	Acid Pump Charge 7-24-00				1	500.00	500.00	
301 - 15%	FE Acid				2,250	1.00	2,250.00	
230	Surf-3				8	25.00	200.00	
249	STR-1				3	29.00	87.00	
235	INH. 1				5	36.00	180.00	
501D	Acid Pump Charge 7-25-00				1	500.00	500.00	
100	Crew Milage 7-26-00				50	1.00	50.00T	
501D	Acid Pump Charge 7-26-00				1	500.00	500.00	
246	Guar Gel				50	3.00	150.00	
244	Medium Crush Rock Salt				400	0.15	60.00	
243	Benzoic Acid Flake				350	1.25	437.50	
100	Crew Milage				50	1.00	50.00T	
576D-H	Pump Charge				1	500.00	500.00	
330	Swift Multi-Density				25	9.50	237.50T	
276	Flocele				6	0.90	5.40T	
290	D-Air				12	2.75	33.00T	
581D	Service Charge Cement				25	1.00	25.00	
582D	Minimum Drayage Charge				1	100.00	100.00	
	Subtotal						5,990.40	
Discount	10% Discount					-10.00%	-599.04	
	Subtotal						5,391.36	
	Sales Tax					4.90%	16.58	
				USED FOR <u>42 New Well</u>				
				APPROVED <u>Ric Heekman</u>				
Thank you for your business.						Total		\$5,407.94



CHARGE TO: *Murfin Dalg*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Logan Ks*

ORIGINAL

TICKET No 2547

PAGE 1 OF 2

SERVICE LOCATIONS
 1. *Ness City Ks* WELL/PROJECT NO. *16* LEASE *Hansen C* COUNTY/PARISH *Phillips* STATE *Ks* CITY DATE *7-24-2000* OWNER *Same*
 2. TICKET TYPE SERVICE CONTRACTOR RIG NAME/NO. *Murfin* SHIPPED VIA *105* DELIVERED TO *S. Logan* ORDER NO.
 3. WELL TYPE *oil* WELL CATEGORY *Development* JOB PURPOSE *ACIDIZE Perf* WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
500		1			MILEAGE 105 7-24	50	mi			2.50		125	00
501		1			Pump charge 7-24	1	EA					500	00
301		1			FE ACID	2250	Gal	15%		1.00		2250	00
230		1			Surf-3	8	Gal			25.00		200	00
249		1			STR-1	3	Gal			29.00		87	00
235		1			Inh-1	5	Gal			36.00		180	00
501		1			Pump charge 7-25	1	EA					500	00
100		1			Crew Mileage 7-26	50	mi			1.00		50	00
501		1			Pump charge 7-26	1	EA					500	00
246		1			Guar	50	LBS			3.00		150	00
244		1			Rockset	400	LBS			15		60	00
243		1			Benzoic ACID Flats	350	LBS			1.25		437	50
												950	90

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X
 DATE SIGNED *7-24-2000* TIME SIGNED *2:30* A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	From Continuation	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	5990.46
WE UNDERSTOOD AND MET YOUR NEEDS?				10% Discount	5391.36
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Bid Price	5474.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	16.58
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	5407.94
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *Lenny* APPROVAL *Ric Hochman*

Thank You!

JOB LOG

SWIFT Services, Inc. ORIGINAL

DATE 7-24-00 PAGE NO. 7

CUSTOMER *Murphy* WELL NO. *16* LEASE *Hanson "C"* JOB TYPE *ACID* TICKET NO. *2547*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							on location Pup 3347-49 RBP 3400 PKR to spot 3353 (SPOT 6 BBC ACID) PKR to treat 3337 (15% NEFE) ST flush
	1455							hole loaded
	1530					100		PSI to 100
	1540					200		1/4 BBC in increase PSI to 200
	1700					200		1 BBC in
	1715					200		2 BBC in
	1730							let acid soak overnight w/ valves open To let ACID displace itself SHUT DOWN FOR DAY
	0730							on location 7-25 Took 1/2 BBC overnight Pump last 3 1/2 BBC acid in at 1 BPM OPS. well on vac
	0800	1				0		Swab Test Zone Treat Pup 3347-49 3330-32
			6					PKR at 3305 Treat w/ 250 gal 15% NEFE
			6					Pump 200# 50/50 Benzoin Rocksalt Plug
			6					Pump 250 gal 15% NEFE
		1.8	21			800		Hole load + ST disp
		3				500		3 BBC acid in
		4				200		Plug to bottom
		.5				1100		PSI increase w/ Plug 1/2 BPM 1100 PSI
		3				400		3 BBC 2nd stage of acid in PSI Broke ^{Blow} on Ann
		3.5				100		5 BBC acid in
		3.5				100		finish disp
	1700							ISIP VAC Swab Test
								12 BBC ACID 6 BBC Plug 21 BBC Flush 39 BBC LOAD