

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

Operator: License # 30606Name: Murfin Drilling Co., Inc.Address 250 N. Water, Suite 300City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Larry M. JackPhone (316) 267-3241Contractor: Name: Murfin Drilling Co., Inc.License: 30606Wellsite Geologist: Paul GunzelmanDesignate 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. \_\_\_\_\_

9/18/99 9/22/99 12/19/99  
Spud Date Date Reached TD Completion Date

API NO. 15- 147-20588County PhillipsNE -SE - NW Sec. 23 Twp. 5S Rge 20W X W3500 Feet from S/N (circle one) Line of Section2850 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)Lease Name HANSEN C Well # 13Field Name HansenProducing Formation ArbuckleElevation: Ground 2169 KB 2174Total Depth 3655 PBSD 3616Amount of Surface Pipe Set and Cemented at 302 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 2050' FeetIf Alternate II completion, cement circulated from 2050'feet depth to surface w/ 275 sx cmt.Drilling Fluid Management Plan AK-2 3-13-00 U.C.  
(Data must be collected from the Reserve Pit)Chloride content \_\_\_\_\_ ppm Fluid volume 2500 bblsDewatering 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. \_\_\_\_\_

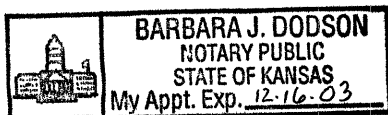
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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. JackTitle Larry M. Jack, Production Manager Date 2/7/00Subscribed and sworn to before me this 2 day of 7 2000.Notary Public Barbara J. DodsonDate Commission Expires 12/16/03

2-9-00  
Dewey K.C.C. OFFICE USE ONLY  
F ☐ Letter of Confidentiality Attached  
C ☒ Wireline Log Received  
C ☒ Geologist Report Received

✓ KCC ☐ SWD/Rep ☐ NGPA  
☐ KGS ☐ Plug ☐ Other (Specify)



Form ACO-1 (7-91)

## SIDE TWO

Operator Name Murfin Drilling Co. Inc.Lease Name Hansen CWell # 13Sec. 23 Twp. 5SRge. 20☐ East  
☒ WestCounty 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 ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No  
(Submit Copy.)

List all E.Log

Dual Induction log, Dual Compensated Porosity log

Borehole Compensated Sonic Log

Log Formation (Top), Depth and Datums ☐ Sample  
Name Top Datum  
See attached

**CASING RECORD**    New    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#	301'	60/40 Poz	180	3% cc, 2% gel
Production	7 7/8"	5 1/2"	15.5#	3517'	EA-2	160	
Port COLLAR				2050'		275	

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose: _ Perforate _ Protect Csg _ Plug Back TD _ Plug Off Zone	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives

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	3592-96	1000 Gals 15% NE/FE	3592-96
4	3535-39	1000 Gals 15% NE/FE	3535-39

TUBING RECORD	Size 2 3/8"	Set At 3606'	Packer At	Liner	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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 47	Bbbs	Gas Mcf	Water 110	Bbbs. Gas-Oil Ratio Gravity

Disposition of Gas:

**METHOD OF COMPLETION**

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease  
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_
As Above

OKIE

\*\*\*FINAL REPORT\*\*\*  
HANSEN C #13

ORIGINAL

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

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

3500' FSL 2850' FEL  
Sec. 23-5S-20W  
Phillips County, Kansas

RECEIVED  
STATE CORPORATION COMMISSION

FEB - 8 2000

Call Depth: 2200'  
Spud: 7:30 p.m. 9/17/99  
Est. TD: 3650'

CONSERVATION DIVISION  
Wichita, Kansas

API# 15-147-20588 - 00-00  
Casing: 8 $\frac{5}{8}$ " @ 300'  
Elevation: 2169' GL  
2174' KB

DAILY INFORMATION:

9/17/99 MIRT.

9/18/99 Spud @ 7:30 p.m. 9/17. Depth 302'. Cut 302'. DT: 5 $\frac{3}{4}$  hrs. (WOC). CT: none. Dev.: 1 $\frac{1}{2}$ " @ 302'. Set 8 jts. = 293.44' of 8 $\frac{5}{8}$ " surf. csg. @ 301', cmt'd w/ 180 sx. 60/40 poz, 3% cc, 2% gel, plug down @ 1:15 a.m., drilled out plug @ 9:15 a.m. Circ. by Allied.

9/19/99 Drilling @ 2255'. Cut 1953'. DT: 2 $\frac{1}{2}$  hrs. (WOC). CT: none. Dev.: none.

9/20/99 Drilling @ 3125'. Cut 870'. DT: none. CT: none. Dev.: none.

9/21/99 RTD @ 3717'. Cut 592'. DT: none. CT: 1 $\frac{1}{2}$  hr. Dev.: none. HC @ 6:30 a.m. Circ f/log @ 9:00 a.m.

9/22/99 RTD @ 3717'. Cut 0'. DT: none. CT: 16 $\frac{1}{2}$  hrs. Dev.: 1 $\frac{1}{4}$ " @ 3717'. Logged from 12:30 p.m. - 3:30 p.m. 9/21/99 by Log Tech. Ran 5 $\frac{1}{2}$ " prod. csg. set @ 3715', cmt'd w/160 sx. AA con. plug down @ 3:00 a.m. by Acid Service. Rig released @ 3:30 a.m. 9/22/99

<u>Formations</u>	<u>Sample Tops</u>	<u>Log Tops</u>	<u>Hansen C #12W</u>
Anhydrite	1658 +516	1659 +515	-1
B/Anhydrite	1686 +488	1687 +487	-4
Topeka	3035 -861	3039 -865	-10
Heebner	3233 -1059	3237 -1063	-12
Toronto	3255 -1081	3258 -1084	-10
Lansing	3276 -1102	3278 -1104	-13
BKC	3479 -1305	3480 -1306	-11
Arbuckle	3592 -1418	3554 -1380	-29
RTD	3717		
LTD		3725 -1551	

**ALLIED CEMENTING CO., INC.**

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

10-14-99  
 \*\*\*\*\* ORIGINAL \*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Invoice Number: 079727

Invoice Date: 09/18/99

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

15-147-20588-00-00

Cust I.D.....: Murfin  
 P.O. Number...: Hansen C-13  
 P.O. Date.....: 09/18/99

Due Date.: 10/18/99  
 Terms.....: Net 30

POSTED  
 OCT 14 1999

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	108.00	SKS	6.3500	685.80	E
Pozmix	72.00	SKS	3.2500	234.00	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 (65)	65.00	MILE	7.2000	468.00	E
180 sks @ \$.04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
Wooden plug	1.00	EACH	45.0000	45.00	E

All Prices Are Net, Payable 30 Days Following Subtotal: 2288.30  
 Date of Invoice. 1 1/2% Charged Thereafter. Tax.....: 0.00  
 If Account CURRENT take Discount of \$ 457.66 Payments: 0.00  
 ONLY if paid within 30 days from Invoice Date Total....: 2288.30

Account	008 W 0926 2288.30	Amount	Cement S. (Bz.)
			(457.66)
RECEIVED			
STATE CORPORATION COMMISSION			
FEB - 8 - 2000			
CONSERVATION DIVISION			
OPER PAY			

*Handwritten notes:*  
 Subtotal 2288.30  
 Tax 0.00  
 Total 2288.30  
 457.66  
 1830.64  
 Delg amount  
 surface prep  
 cement ticket

# ALLIED CEMENTING CO., INC.

ORIGINAL  
2397

Federal Tax I.D.#

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

15-147-20588-00-00

SERVICE POINT:

R

DATE <u>9-18-99</u>	SEC. <u>23</u>	TWP. <u>5</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>1:15 PM</u>
LEASE <u>Hansen</u>	WELL # <u>C-13</u>	LOCATION <u>Logan 5 S 1 E 1 N 4 E 2 N</u>			COUNTY <u>Phillips</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)			<u>4 E 4 S</u>				

CONTRACTOR Martin Drly

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 302

CASING SIZE 8 1/2 DEPTH 301

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 10 1/2

PERFS.

DISPLACEMENT 247 18,44 BBL

OWNER

CEMENT

AMOUNT ORDERED 180 60 38 00 28 90

COMMON	<u>108</u>	@	<u>6 35</u>	<u>685 80</u>
POZMIX	<u>72</u>	@	<u>3 25</u>	<u>234 00</u>
GEL	<u>3</u>	@	<u>9 50</u>	<u>28 50</u>
CHLORIDE	<u>6</u>	@	<u>28 00</u>	<u>168 00</u>

	@		
	@		
	@		
	@		
	@		
HANDLING	@	<u>1 05</u>	<u>189 00</u>
MILEAGE	<u>44 / Sk</u>	/ mile	<u>468 00</u>

(65)

TOTAL 1773 30

EQUIPMENT

345

PUMP TRUCK CEMENTER Dave

# HELPER Maeh

BULK TRUCK

# DRIVER

BULK TRUCK

# 218 DRIVER Jimmie

REMARKS:

SERVICE

Cement Cir ✓

DEPTH OF JOB

PUMP TRUCK CHARGE 470 00

EXTRA FOOTAGE @

MILEAGE @

PLUG 8 1/2 wooden @ 45 00

CHARGE TO: Martin Drly Co Inc

STREET

CITY STATE ZIP

RECEIVED

STATE CORPORATION COMMISSION

TOTAL 515 00

FEB - 8 2000

FLOAT EQUIPMENT

CONSERVATION DIVISION  
Wichita, Kansas

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

TOTAL

SIGNATURE Louis McRenna

Louis McRenna  
PRINTED NAME

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



15-147-20588-00-00

ORIGINAL  
COPY

**SALES OFFICE:**  
105 S. Broadway  
Suite #490  
Wichita KS 67202  
(316) 262-3699  
(316) 262-5799 FAX  
(316) 734-5071 Cel

**SALES & SERVICE OFFICE:**  
10244 NE Hiway 61  
P.O. Box 8613  
Pratt, KS 67124-8613  
(316) 672-1201  
(316) 672-5383 FAX  
(316) 546-5548 Cel

## Invoice

Bill to:  MURFIN DRILLING Box 288 Russell, KS 67605			5873197	Invoice	Invoice Date	Order	Order Date
				990940	9/29/99	2194	-9/22/99
			Service Description				
			Cement - 5 1/2" Production string				
			Lease		Well		
			Hansen		13		
A/E	CustomerRep	Treater	Well Type	Purchase Order		Terms	
	Jim Nowell	Dave Scott	New Well			Net 30	

ID.	Description	UOM	Quantity	Unit Price	Price
D204	AA2	SK	160	\$13.56	\$2,169.60
C192	FLA-1, FLUID LOSS	LB	165	\$3.20	\$528.00
C195	CELLFLAKE	LB	83	\$1.77	\$146.91
C300	"A" FLUSH	GAL	10	\$15.00	\$150.00
F251	CEMENT SCRATCHERS CABLE TYPE, 5 1/2" (NDI)	EA	60	\$30.00	\$1,800.00
F101	CENTRALIZER, 5 1/2"	EA	10	\$53.00	\$530.00
F223	CEMENT PORT COLLAR, 5 1/2"	EA	1	\$1,858.00	\$1,858.00
F161	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$115.00	\$115.00
F800	THREADLOCK COMPOUND KIT	EA	1	\$30.00	\$30.00
F151	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$251.00	\$251.00
F111	BASKET, 5 1/2"	EA	1	\$122.00	\$122.00
E107	CEMENT SERVICE CHARGE	SK	160	\$1.50	\$240.00
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00
R701	CEMENT HEAD RENTAL	EA	1	\$70.00	\$70.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	140	\$2.50	\$350.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1155	\$1.25	\$1,443.75
R208	CASING CEMENT PUMPER, 3501-4000'	EA	1	\$1,600.00	\$1,600.00

RECEIVED  
STATE CORPORATION COMMISSION

FEB - 8 2000

CONSERVATION DIVISION  
Wichita, Kansas

**Sub Total:** \$11,529.26

**Discount:** \$3,767.99

**Discount Sub Total:** \$7,761.27

**Tax Rate:** 5.90%

**Taxes:** \$0.00

(T) Taxable Item

**Total:** \$7,761.27

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.





15-147-20588-00-00

## TREATMENT REPORT

01342



Customer ID	Date	
Customer	9-22-99	
Lease	Lease No.	Well #
Murfin Drlg		13
Hansen		

Field Order #	Station	Casing	Depth	County	State
02194	Pratt KS	3.5	3716	Phillips	KS
Type Job	Formation		Legal Description		
5 1/2 Prod String New Well			23-5-20		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5.5 13.5 spf				1.56 14.5 spg 7.6 gal/l				
Depth	Depth	From	To	Pre-Pad		Max		5 Min.
3716				Port Collared Top 40th				
Volume	Volume	From	To	Pad		Min		10 Min.
87.7				Total Pipe = 3720				
Max Press	Max Press	From	To	Free		Avg		15 Min.
				44.4 Slurry				
Well Connection	Annulus Vol.	From	To	87.7 Bbl's Disp		HHP Used		Annulus Pressure
				20 Bbl's A flush				
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Jim Newell	Dave Autry	D. Scott
Service Units	106	23
	32	71

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0900					Called Out
1100					On loc w/F.F.
					Trk's on loc Safety mtg
					Cent 1, 3, 5, 7, 9, 11, 13, 15, 17, 39
					Basket 40th & P.C. Top of 40th Jt 1676
					Csg on Bottom Circ w/Rig
					Rig up Trk's
0222	400		24	6	St PreFlush
0226	400		4	6	H2O Spacer
0227	425			6	St mixing Cmt @ 14.5 spg 160 sk's
0238	0		44.4	0	Finish mixing Cmt
0241	10			5	Chose In & Wash Pump & line
0243	100			8.0	Release Plug & St Disp w/H2O
0251	500		60	7.0	Lifting Cmt 60 Bbl's Out
0255	1200		27.7	0	Plug Down & PSI Test Csg
0257	0		87.7		Release PSI Held
					RECEIVED
					STATE CORPORATION COMMISSION
					FEB - 8 2000
					CONSERVATION DIVISION
					Wichita, Kansas
					Job Complete
					Thank you Scott

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

White - Accounting • Canary - Customer • Pink - Field Office

25850  
500  
500  
400  
27319

PAGE 1 OF 1



CITY, STATE, ZIP CODE

IDE. Luzan B

REFERRAL LOCATION

**SWIFT-OPERATOR**

**APPROVAL**

*Thank You!*