

ORIGINAL

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

API NO. 15- 077-21364 0000

County Harper County, Kansas

NE - NW - SW - SE Sec. 27 Twp. 31S Rge. 9 XX <sup>E</sup> <sub>W</sub>

Operator: License # 5144

2310 Feet from S/N (circle one) Line of Section

Name: Mull Drilling Company, Inc.

990 Feet from E/W (circle one) Line of Section

Address P.O. Box 2758

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

City/State/Zip Wichita, Kansas 67201-2758

Lease Name Pearl Well # 1-27

Purchaser: Spivey Gasoline Plant

Field Name Spivey-Grabs Basil

Operator Contact Person: Scott Hampel

Producing Formation Mississippi

Phone (316) 624-6366 Ext. 12

Elevation: Ground 1642' KB 1651'

Contractor: Name: Duke Drilling Co., Inc.

Total Depth 4550' PBTD 4550'

License: 5929

Amount of Surface Pipe Set and Cemented at 267 Feet

Wellsite Geologist: Scott Mueller

Multiple Stage Cementing Collar Used? Yes  No

Designate Type of Completion 12-22-98

If yes, show depth set \_\_\_\_\_ Feet

New Well  Re-Entry  Workover

If Alternate II completion, cement circulated from \_\_\_\_\_

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover:

Drilling Fluid Management Plan AF-1, 12-29-98 U.C.  
(Data must be collected from the Reserve Pit)

Operator: \_\_\_\_\_

Chloride content 30,000 ppm Fluid volume 600 bbls

Well Name: \_\_\_\_\_

Dewatering method used Hauled offsite

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

Operator Name Messenger Petroleum, Inc.

08-25-98 09-01-98 10-17-98  
Spud Date Date Reached TD Completion Date

Lease Name Nicholas SWD License No. 4706

NE Quarter Sec. 20 Twp. 30 S Rng. 8 EW

County Kingman Docket No. DS27434

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 Scott Hampel

Title VP-Production & Engineering Date 12-21-98

Subscribed and sworn to before me this 21st day of December, 1998.

Notary Public Tannis R. Tritt

Date Commission Expires March 26, 1999

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

Form ACO-1 (7-91)

TANNIS L. TRITT  
Notary Public - State of Kansas  
My Appt. Expires 3-26-99

Operator Name Mull Drilling Company, Inc.

Lease Name Pearl

Well # 1-27

Sec. 27 Twp. 31 Rge. 9

East

County Harper County, Kansas

West

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.Logs Run: Log-Tech:  
Borehole Compensated Sonic; DIL and  
Dual Compensated Porosity

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	3528	- 1877
Lansing	3697	- 2046
Stark	4144	- 2496
B/KC	4242	- 2591
Cherokee	4375	- 2724
Mississippi	4434	- 2783

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"	20#	267.55'	60/40 Poz	200	3%cc 2%gel
Production	7-7/8"	4-1/2" Used	10.5#	4549'	ASC	125	5#kol-seal

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
4	4436' - 4450'	1000 gal 15% MCA
		Frac'd w/31,600 gals 25# Delta frac
		fluid and 50,000# 12/20 sand

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	4401'		

Date of First, Resumed Production, SMD or Inj. 10/17/98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1.5	98	57	65,300	

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole  Perf.  Dually Comp.  Commingled 4436'-4450'

Other (Specify) \_\_\_\_\_

# ALLIED CEMENTING CO., INC. 9783

Federal Tax I.D.# 48-0727860

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

## ORIGINAL

SERVICE POINT: Medicine Lodge

DATE <u>8-25-98</u>	SEC. <u>27</u>	TWP. <u>31N</u>	RANGE <u>9W</u>	CALLED OUT <u>12:00 pm</u>	ON LOCATION <u>3:00 pm</u>	JOB START <u>5:15</u>	JOB FINISH <u>5:30</u>
LEASE <u>Pearl</u>	WELL # <u>1-27</u>	LOCATION <u>Keystone Church 2w</u>		(RD 150)		COUNTY <u>Harper</u>	STATE <u>Kansas</u>
OLD OR <u>NEW</u> (Circle one)			<u>2S, 1E, 1S, 3/4E</u>				

CONTRACTOR Duke Rig #4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 268  
 CASING SIZE 8 3/4 DEPTH 268  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 200 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15 feet  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 16.5 BBLs Freshwater

OWNER Mull Drilling  
 CEMENT AMOUNT ORDERED 200sx 60:40:2+3 1/2 cc

COMMON	<u>120</u>	@	<u>6.35</u>	<u>762.00</u>
POZMIX	<u>80</u>	@	<u>3.25</u>	<u>260.00</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>7</u>	@	<u>28.00</u>	<u>196.00</u>
HANDLING	<u>200</u>	@	<u>1.05</u>	<u>210.00</u>
MILEAGE	<u>200 x 26</u>	@	<u>.04</u>	<u>208.00</u>

EQUIPMENT  
 PUMP TRUCK # 255-265 CEMENTER Carl Balding  
 HELPER Shane Winsor  
 BULK TRUCK # 242 DRIVER LARRY S.  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \$1664.50

**REMARKS:**

Pipe on bottom break circulation w/ Rig. Pump 2 BBLs Freshwater mix + pump 200sx 60:40:2+3 1/2 cc, Cement in stop pumps switch valves + Release plug. Displace with 16.5 BBLs freshwater. Cement did circulate. Shut in. ✓

**SERVICE:**

DEPTH OF JOB	<u>268</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>470.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>26</u>	@	<u>2.85</u> <u>74.10</u>
PLUG	<u>wooden 8 7/8"</u>	@	<u>45.00</u> <u>45.00</u>

TOTAL \$589.10

CHARGE TO: Mull Drilling Co. Inc  
 STREET Box 393  
 CITY Cheyenne STATE Co. ZIP 80810  
wells

**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 \$2253.60

DISCOUNT 338.04 IF PAID IN 30 DAYS

\$1915.56

SIGNATURE Roger Goodman

Roger Goodman  
 PRINTED NAME

# ALLIED CEMENTING CO., INC. 9786

Federal Tax I.D.# 48-0727860

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

ORIGINAL SERVICE POINT:  
Medicine Lodge

DATE <u>9-2-98</u>	SEC. <u>27</u>	TWP. <u>31s</u>	RANGE <u>9W</u>	CALLED OUT <u>3:00 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>1:30 pm</u>	JOB FINISH <u>2:05 pm</u>
LEASE <u>Park</u>		WELL# <u>1-27</u>	LOCATION <u>Keystone Church</u>		COUNTY <u>Harper</u>	STATE <u>Kansas</u>	
OLD OR <u>NEW</u> (Circle one)			<u>2w, 25, 1E, 1 1/2 S, E/S</u>				

CONTRACTOR <u>Duke Rig # 4</u>	
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4550</u>
CASING SIZE <u>4 1/2 x 10.5</u>	DEPTH <u>4550</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1100</u>	MINIMUM <u>100</u>
MEAS. LINE	SHOE JOINT <u>10.36</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>74 BBls Freshwater</u>	
EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Carl Baldina</u>
# <u>255-265</u>	HELPER <u>Shane Winsor</u>
BULK TRUCK	
# <u>301</u>	DRIVER <u>John Kelley</u>
BULK TRUCK	
#	DRIVER

OWNER <u>Mull Drilling Co.</u>	
CEMENT	
AMOUNT ORDERED <u>25sx 60:40:4</u>	
<u>125 sx ASC + 5<sup>th</sup> Kol-seal</u>	
<u>500 Gal Mud-clean</u>	
COMMON	<u>15 @ 6.35 95.25</u>
POZMIX	<u>10 @ 3.25 32.50</u>
GEL	<u>1 @ 9.50 9.50</u>
CHLORIDE	<u>@</u>
<u>ASC 125</u>	<u>@ 8.20 1025.00</u>
<u>KOL-SEAL 625#</u>	<u>@ .38 237.50</u>
<u>MUD CLEAN 500 GALS</u>	<u>@ .75 375.00</u>
	<u>@</u>
	<u>@</u>
HANDLING	<u>150 @ 1.05 157.50</u>
MILEAGE	<u>150 x .04 156.00</u>
TOTAL <u>\$2088.25</u>	

CONSERVATION DIVISION  
WILLIAM, KANSAS  
OCT 2 2 1998

**REMARKS:**

Pipe on bottom break circulation with Rig pump circulate for 90 minutes. pump 500 GAL Mud-clean mix 25sx 60:40:4 to plug Rat Hole. Mix + pump 125sx ASC + 5<sup>th</sup> Kol-seal, cement in stop pumps. switch valves + wash pump + lines. switch valves + Release plug. Displace with 74 BBls Freshwater. Bump plug + Float Held

**SERVICE**

DEPTH OF JOB	<u>4550</u>	
PUMP TRUCK CHARGE		<u>1214.00</u>
EXTRA FOOTAGE	<u>@</u>	
MILEAGE	<u>26 @ 2.85</u>	<u>74.10</u>
PLUG Rubber 4 1/2"	<u>@ 38.00</u>	<u>38.00</u>
	<u>@</u>	
	<u>@</u>	
TOTAL		<u>\$1326.10</u>

CHARGE TO: Mull Drilling Co. Inc.  
STREET Box 393  
CITY Cheyenne STATE Co. ZIP 80810  
wells

**FLOAT EQUIPMENT**

<u>1- Regular Guides shoe</u>	<u>@ 140.00</u>	<u>140.00</u>
<u>1- AFU Insert</u>	<u>@ 235.00</u>	<u>235.00</u>
<u>8 - centralizers</u>	<u>@ 53.00</u>	<u>424.00</u>
	<u>@</u>	
	<u>@</u>	
TOTAL		<u>\$799.00</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 \$ 4213.35  
DISCOUNT 632.00 IF PAID IN 30 DAYS  
NET \$ 3581.35

SIGNATURE Carl D. Smalley MR

PRINTED NAME \_\_\_\_\_