

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

Operator: License # 5144 **ORIGINAL**

Name: Mull Drilling Co., Inc.

Address P.O. Box 2758

City/State/Zip Wichita, Kansas 67201-2758

Purchaser: Oil-Eaglwing/Gas-Warren

Operator Contact Person: Scott Mueller

Phone (316) 264-6366

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Scott Mueller

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S1OW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

09-09-97 09-15-97 09-15-97
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21336 0000

County Harper County, Kansas

NE - SW - NW - Sec. 27 Twp. 31S Rge. 9 ~~XXX~~^E

1550 Feet from S(N) (circle one) Line of Section

990 Feet from E(N) (circle one) Line of Section

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

Lease Name Robinson Well # 5

Field Name Spivey-Grabs-Basil

Producing Formation Mississippian

Elevation: Ground 1671' KB 1679

Total Depth 4550' PBTD 4550'

Amount of Surface Pipe Set and Cemented at 264 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 JM 2-12-98
(Data must be collected from the Reserve Pit)

Chloride content 6000 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 [Signature]

Title Exploration Team Leader Date 1/6/98

Subscribed and sworn to before me this 6th day of January, 1998.

Notary Public Tannis L. Tritt Tannis L. Tritt

Date Commission Expires March 26, 1999

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

RECEIVED
K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
1-8-98
Distribution
KCC CONSERVATION DIVISION
KGS SWD/Rep NGPA
 Plug Other
(Specify)

Operator Name Mull Drilling Company, Inc. Lease Name Robinson Well # 5

Sec. 27 Twp. 31S Rge. 9 East West
 County Harper County, Kansas

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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	3538	-1859
Lansing	3714	-2035
Stark	4162	-2483
B/KC	4260	-2581
Cherokee	4391	-2712
Miss	4444	-2765

ELI: DIL; Sonic; Compensated Neutron Den
 WEDGE DIA-LOG: Gamma Ray - CCL

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"	20#	264'	60/40 Poz	175	3%cc 2%gel
Production	7-7/8"	5-1/2"	14#	4549'	ASC	100	

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	4451' - 4471'	500 gals 15% FE Acid +	4451-71'
		500 gals Frac G +		
		32,000 gals Delta Frac + 1 ppg Mesh Sand		
		15 ppg 12/20 Sand and 5 ppg AcFrac Sand		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	4489'		

Date of First, Resumed Production, SWD or Inj. 10-10-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4	110	82		25.4

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 4451-71'
 Other (Specify) _____

ALLIED CEMENTING CO., INC.

6329

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

ORIGINAL

SERVICE POINT:
Medicine Lodge

DATE 9-9-97	SEC. 27	TWP. 31s	RANGE 9w	CALLED OUT 2:30 pm	ON LOCATION 4:00 pm	JOB START 5:45	JOB FINISH 6:05 pm
LEASE Johnson	WELL # 5	LOCATION Keystone Church 3s, 7w			COUNTY Harper	STATE Kansas	

OLD OR (NEW) (Circle one)

CONTRACTOR Duke Rig 2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 265

CASING SIZE 8 7/8 x 20' DEPTH 264

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 150 MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 Feet

PERFS. _____

OWNER Mull Drilling Co-

CEMENT

AMOUNT ORDERED 175 sx 60:40:2+3 1/2 cc

COMMON A	105	@	6.35	666.75
POZMIX	70	@	3.25	227.50
GEL	3	@	9.50	28.50
CHLORIDE	6	@	28.00	168.00
		@		
		@		
		@		
		@		
		@		
HANDLING	175	@	1.05	183.75
MILEAGE	175 x 25		.04	175.00

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding

255-265 HELPER Stane Winsor

BULK TRUCK

242 DRIVER James Holt

BULK TRUCK

_____ DRIVER _____

TOTAL \$1449.50

REMARKS:

SERVICE

Break circulation w/ rig pump

pump 175sx 60:40:2+3 1/2 cc

Cement IN, stop pumps, release plug

Displace with 16.25 Bbls fresh water

Cement did circulate

DEPTH OF JOB	264'			
PUMP TRUCK CHARGE	0-300'			470.00
EXTRA FOOTAGE		@		
MILEAGE	25	@	2.85	71.25
PLUG	Wooden 8 5/8"	@	45.00	45.00
		@		
		@		

TOTAL \$586.25

CHARGE TO: Mull Drilling Co.

STREET P.O. Box 421

CITY Ness City STATE KANSAS ZIP 67560

FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			

JAN 8 1998

TOTAL _____

CONSERVATION DIVISION
State of Kansas

TAX _____

TOTAL CHARGE \$2035.75

DISCOUNT \$205.36 IF PAID IN 30 DAYS

NET \$1730.39

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.

SIGNATURE John J. Armbruster

JOHN J. ARMBRUSTER

ALLIED CEMENTING CO., INC.

6351

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

SERVICE POINT:

ORIGINAL

med. lodges

DATE 9-15-97	SEC 27	TWP. 31S	RANGE 9W	CALLED OUT 10:30 AM	ON LOCATION 2:00 PM	JOB START 5:00 PM	JOB FINISH 7:30 PM
LEASE Robinson	WELL # 5	LOCATION Keystone Church, 3S-3/4 W		COUNTY Harper	STATE KS		
OLD OR NEW (Circle one)			N/S				

CONTRACTOR Duke #7

TYPE OF JOB Prod. Csg.

HOLE SIZE 7/8 TD. 4550

CASING SIZE 5/2x14 DEPTH 4549

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1500 MINIMUM 300

MEAS. LINE 11.14 SHOE JOINT 13.39

CEMENT LEFT IN CSG:

PERFS.

OWNER Moll Orla Co.

CEMENT

AMOUNT ORDERED 100sxs ASC + 5# Kol-Seal

253sxs 60/40/49 GEL

500 Gals. mud Clean

COMMON A	1.5	@	6.35	95.25
POZMIX	10	@	3.25	32.50
GEL	14	@	9.50	90.00
CHLORIDE		@		
ASC	100	@	8.20	820.00
MUD CLEAN	500 Gals	@	.75	375.00
KOL-SEAL	500#	@	.38	190.00
HANDLING	125	@	1.05	131.25
MILEAGE	125	@	.04	5.00

EQUIPMENT

PUMP TRUCK CEMENTER Arny Dreiling

233-302 HELPER Justin Hart

BULK TRUCK

242 DRIVER James Holt

BULK TRUCK

DRIVER

TOTAL \$1778.50

REMARKS:

Pipe on Bottom Circ. w/ Rig Pump

mix Pump 500gals. mud Clean

Plug Rst hole w/ 1.5sxs. 60/40/4

Plug mouse hole w/ 1.0sxs. 60/40/4

Cement 100sxs. ASC + 5# Kol-Seal

Washout Pump Lines. Release Plug. Displace

w/ 11 3/2 Bbls. 20% KCl water. Pump Plug

Release PST. Float Held

SERVICE

DEPTH OF JOB 4549'

PUMP TRUCK CHARGE 1214.00

EXTRA FOOTAGE @

MILEAGE 25 @ 2.85 71.25

PLUG Rubber 5 1/2" @ 50.00 50.00

CHARGE TO: Moll Orla Co.

STREET P.O. Box 421

CITY Ness City STATE KANSAS ZIP 67560

TOTAL \$1335.25

FLOAT EQUIPMENT

1-Req. Guide Shoe @ 168.00 168.00

1-AFU Insert @ 263.00 263.00

5-Turbo Centralizers @ 56.00 280.00

TOTAL \$ 711.00

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 \$ 3824.75

DISCOUNT \$ 573.71 IF PAID IN 30 DAYS

NET \$ 3251.04

SIGNATURE X Carl D. Smalley

CARL D. SMALLEY