

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

API NO. 15- 077-30012 0001

County Harper County, Kansas

NW - NE - SE - Sec. 14 Twp. 31S Rge. 9 XX ^E
2310 Feet from (S)N (circle one) Line of Section
990 Feet from (E)W (circle one) Line of Section

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

Lease Name Drake "OWWO" Well # 3

Field Name Spivey-Grabs-Basil

Producing Formation Mississippian

Elevation: Ground 1632 KB 1640

Total Depth 4459' PBDT 4450'

Amount of Surface Pipe Set and Cemented at 4454' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REENTRY JK :2-12-98
(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. _____

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: _____

Designate Type of Completion
_____ New Well XXX Re-Entry _____ Workover

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

If Workover:

Operator: E.K. Edmiston

Well Name: Drake #1

Comp. Date 08-26-65 Old Total Depth 4454'

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

09-18-97 09-18-97 09-19-97

REENTRY Date of Date Reached TD Completion Date

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 1/7/98

Subscribed and sworn to before me this 7 day of January, 19 98.

Notary Public Tannis L. Tritt Tannis L. Tritt

Date Commission Expires March 26, 1999

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C _____ Geologist Report Received

Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

Form ACO-1 (7-91)

RECEIVED
STATE CORPORATION COMMISSION

JAN 8 1998

CONSERVATION DIVISION
Wichita, Kansas

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

Operator Name Mull Drilling Co., Inc.

Lease Name Drake "OWWO"

Well # 3

Sec. 14 Twp. 31S 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:

WEDGE DIA-LOG: Gamma/Neutron Log

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Miss	4381	-2746

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
		8-5/8"		235'			
Production	7-7/8"	5-1/2"	14#	4454'	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	4397-4407	500 gals 15% FE Acid +	4397-4407'
		500 gals Frac G +	
		25,000 gals Delta Frac +	
		1ppg 100 mesh sand & 6 ppg 12/20 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	4295'		

Date of First, Resumed Production, SMD or Inj. 10-17-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	8	45	36		25.8

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)

4397-4407'

ALLIED CEMENTING CO., INC.

6335

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

ORIGINAL

SERVICE POINT:

Medicine Lodge

DATE <u>9-19-97</u>	SECTION <u>27</u>	TWP. <u>31</u>	RANGE <u>7</u>	CALLED OUT <u>7:00 Am</u>	ON LOCATION <u>9:00 Am</u>	JOB START <u>12:15</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Date</u>	WELL # <u>3</u>	LOCATION <u>Keystone Church E, 125, 1/2</u>		COUNTY <u>Harper</u>	STATE <u>Kansas</u>		

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig 2
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 4458
 CASING SIZE 5 1/2 x 14 DEPTH 4453
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1500 MINIMUM 250
 MEAS. LINE _____ SHOE JOINT 16.58
 CEMENT LEFT IN CSGI 16.58
 PERFS. _____

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding
 # 255-265 HELPER Shane Winsor
 BULK TRUCK _____
 # 301 DRIVER John Kelly
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Pipe on Bottom Circulate w/ Rig pump
for 1 hour, Pump 12 Bbls mud clean
Flush pump 25 1/2 x 60-40-4 in flat mouse hole
pump 100 1/2 x ASC + 5 Kol seal
1 wash out pump + line w/ KCl water
Displace with 12 Bbls _____
Bump plug to 1500 psi - release pressure
(float held)

CHARGE TO: Mull Drilling
 STREET 70 Box 421
 CITY Lawrence STATE Kansas ZIP 67456

OWNER Mull Drilling Co.
 CEMENT _____
 AMOUNT ORDERED 100 1/2 x ASC + 5 Kol seal
25 1/2 x 60-40-4 1/2 gal
12 Bbls mud clean, 25 Gal soap + 12 Gal
Clapro
 COMMON A rate 1500 psi @ 16.35 = 95.25
 POZMIX 10 @ 3.25 = 32.50
 GEL 9.50 @ 9.50 = 9.50
 CHLORIDE Asc 100 @ 8.20 = 820.00
Mud Clean 500 Gal @ .75 = 375.00
Kol Seal 500 @ .38 = 190.00
 HANDLING 125 @ 1.05 = 131.25
 MILEAGE 125 x 25 = .04 = 125.00

TOTAL \$ 1778.50

SERVICE

DEPTH OF JOB 4453
 PUMP TRUCK CHARGE 1145.00
 EXTRA FOOTAGE _____
 MILEAGE 25 @ 2.85 = 71.25
 PLUG Rubber 56" @ 50.00 = 50.00

TOTAL \$ 1266.25

FLOAT EQUIPMENT

5-turbo Centralizers @ 56.00 = 280.00
1-AFU insert @ 263.00 = 263.00
1-Regular Guide shoe @ 168.00 = 168.00

TOTAL \$ 711.00

TAX _____
 TOTAL CHARGE \$ 3755.75
 DISCOUNT \$ 563.36 IF PAID IN 30 DAYS

NET \$ 3192.39

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

Carl D. Smalley