

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

Operator: License # 8735
Name: S & M Oil **ORIGINAL**
Address 2730 Thunderbird Drive

City/State/Zip Hays, Kansas 67601

Purchaser: Farmland Ind.

Operator Contact Person: Steve Crawford

Phone (913)628-3658

Contractor: Name: Discovery Drilling, Inc.

License: 31548

Wellsite Geologist: Steve Crawford

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. _____

3/13/97 3/18/97 3/19/97
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23296 0000

County Rooks

30'W. CN/2 NW - SW Sec. 12 Twp. 9S Rge. 17W X

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

4650 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 McClay Well # 11

Field Name Westhusin

Producing Formation Arbuckle

Elevation: Ground 2022 KB 2030

Total Depth 3527 PBSD _____

Amount of Surface Pipe Set and Cemented at 205.36 Fe.

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1850 Fe

If Alternate II completion, cement circulated from 1850

feet depth to Surface w/ 450 sx cm

Drilling Fluid Management Plan ALT 2 1-13-98 JK
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 2000 bb

Dewatering method used Evaporation

Location of fluid disposal if hauled off site: _____

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, 200 Colorado Derby Building, 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 Steve Crawford

Title Owner Date 4-8-97

Subscribed and sworn to before me this 28 day of April, 19 97.

Notary Public Roberta Angell

Date Commission Expires 10-24-2000



ROBERTA ANGELL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10-24-2000

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)

Operator Name S & M Oil Lease Name McC Well # 11
 Sec. 12 Twp. 9S Rge. 17W East West
 County Rooks

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giv interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static lev. hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sh if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	2890 - 859
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3106 - 1075
List All E.Logs Run:		Kansas City	3147 - 1116
Radiation Guard		Arbuckle	3425 - 1394
Gamma Ray Neutron			
Cement Bond			

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 Pipe	12 1/4	8 5/8	20	205.36	60/40Poz	140	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3504	ASC	150	
			DV Tool	1850	60/40Poz	450	6%Gelw/1/4#FS

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	3433-35	Natural	

TUBING RECORD

Size 2 7/8 Set At 3470 Packer At none Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 3-29-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>77</u>	Gas Mcf <u>---</u>	Water Bbls. <u>50</u>	Gas-Oil Ratio <u>61</u>	Gravity <u>22</u>
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Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 3433-35

ALLIED CEMENTING CO., INC.

8453

Federal Tax I.D.#

15-163-23296-00-00

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

SERVICE POINT:

K

ORIGINAL

DATE 3-13-97	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 10:30 P.
LEASE McClay		WELL # 11	LOCATION Codell 6 1/2 N 1/4 E			COUNTY Keosau	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR Discovery Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/2" T.D. 208

CASING SIZE 8 5/8" DEPTH 205 20"

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 10-15'

PERFS. _____

DISPLACEMENT 12 1/2 bbl

EQUIPMENT _____

PUMP TRUCK CEMENTER Nick

153 HELPER Paul

BULK TRUCK

282 DRIVER Jason Matt

BULK TRUCK

_____ DRIVER _____

OWNER _____

CEMENT

AMOUNT ORDERED 140 6 1/4 37 cc 29 cc

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

REMARKS:

Cement Circ

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG _____ @ _____

_____ @ _____

_____ @ _____

RECEIVED
KANSAS CORP COMM
1997 APR 10 A 10:54

4/10/97

SERVICE

TOTAL _____

CHARGE TO: S & W Oil Co.

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

ALLIED CEMENTING CO., INC. 8416

Federal Tax I.D.# XXXXXXXXXX

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

SERVICE POINT:
Russell

ORIGINAL

DATE 3-19-97	SEC. 12	TWP. 9 S	RANGE 17W	CALLED OUT 12:30 AM	ON LOCATION 2:00 AM	JOB START 7:00 AM	JOB FINISH 7:45 AM
LEASE McCLAY		WELL # 11		LOCATION Codell 6N 1/4 E			
COUNTY ROOKS		STATE KANSAS					

OLD OR NEW (Circle one) NEW

CONTRACTOR DISCOVERY DRIG. RIG # 11	OWNER _____
TYPE OF JOB PRODUCTION STRING (D-V)	CEMENT _____
HOLE SIZE 7 7/8 T.D. 3527'	AMOUNT ORDERED 4.50 SK 68 6% GEL
CASING SIZE 5 1/2 USED 14" DEPTH 3504	1/4" # FIO-SEAL
TUBING SIZE _____ DEPTH _____	PER SK
DRILL PIPE _____ DEPTH _____	
TOOL 2-STAGE TOOL DEPTH 1850 #53 JT	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE <input checked="" type="checkbox"/> SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT _____	_____ @ _____
EQUIPMENT	_____ @ _____
PUMP TRUCK CEMENTER Alan	_____ @ _____
# 177 HELPER will	_____ @ _____
BULK TRUCK _____	HANDLING _____ @ _____
# 254 DRIVER Jason	MILEAGE _____ @ _____
BULK TRUCK _____	
# _____ DRIVER _____	TOTAL _____

REMARKS:
TOP STAGE
DV TOOL OPENED @ 800 #.
15 SK @ RAT HOLE
10 SK @ MOUSE HOLE
Cement DID CIRCULATE.
Thomas Alan (Discovery Drig)
Alan Anthony (Allied Cementer)
Steve Chappell operator

SERVICE
1997 APR 10 A 10 54
RECEIVED
KANSAS CORP COMM
TOTAL _____

4/10/97

CHARGE TO: **S & M Oil Co.**

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 *Steve*

PRINTED NAME "

15-163-23296-0000