

ORIGINAL

SIDE ONE

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 Co.

Address 205 N. Jefferson

City/State/Zip Hays, Kansas 67601

Purchaser: _____

Operator Contact Person: Steve Crawford

Phone (913) 434-2829

Contractor: Name: Western Kansas Drilling, Inc.

License: 4083

Wellsite Geologist: Steve Crawford

Designate Type of Completion

- New Well
- Re-Entry
- Workover
- Oil
- Gas
- Dry
- SWD
- Inj
- Other (Core, Water Supply, etc.)
- Temp. Abd.
- Delay Comp.

If **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary
- Air Rotary
- Cable

3-13-91 3-17-91 3-17-91

Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,152 00-00

County Rooks

NW SW SE Sec. 06 Twp. 09 Rge. 16 East West

990' Ft. North from Southeast Corner of Section

2310' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

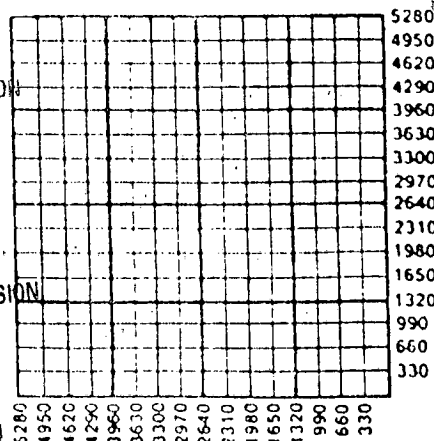
Lease Name Kern Well # 4

Field Name Westhusin East

Producing Formation _____

Elevation: Ground 1954' KB 1959'

Total Depth 3100' PBD 3400'



Amount of Surface Pipe Set and Cemented at 216' 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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-operator Date 3-18-91

Subscribed and sworn to before me this 18th day of MARCH, 1991.

Notary Public Connie Newell

Date Commission Expires 4-9-94



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

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

P1

SIDE TWO

Operator Name S & M Oil Lease Name Kern Well # 4
 Sec. 06 Twp. 09 Rge. 16 East West
 County Rooks

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.)

RECEIVED
 STATE CORPORATION COMMISSION

APR 08 1901

Formation Description
 Log Sample ATTACHED
 Name: Top Bottom
0' - 1274' Sand & Shale
 1274' - 1308' Anhy.
 1308' - 1870' Sand & Shale
 1870' - 2160' Shale
 2160' - 2620' Sand & Shale
 2620' - 2805' Shale
 2805' - 3100' Shale & Lime

Wichita, Kansas 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's	19#	216'	60/40 poz	140sks	3%cc 2%gel

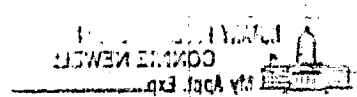
PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____
 Production Interval _____



ORIGINAL

April 24, 1991

Kansas Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
202 W. 1st. St.
Wichita, KS 67202-1286

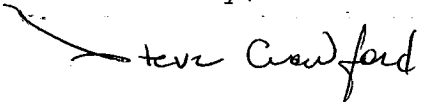
Dear Mr. Anderson:

This letter is in reference to your letter dated 4-12-91 concerning the drilling of our #4 Kern.

We do not have available all of the tops and bases of the formations in this well due to the fact we were running 20 ft. low structurely and plugged this well within a few feet beneath the Heebner shale. However, I do have several figures for you. The Topeka top was 2857 (-898). The Topeka base and top of the Heebner was 3077 (-1118). TD and plugging of this well took place at 3100 ft. (-1141). We did not reach or drill any of the Kansas City formation.

We hope this information is sufficient. If not, please call me at 913-434-2829.

Sincerely,



Steve Crawford
S & M Oil Co.
205 N. Jefferson
Plainville, KS 67663

SC/cn

RECEIVED
STATE CORPORATION COMMISSION
4-29-1991
APR 29 1991
CONSERVATION DIVISION
Wichita, Kansas