

COPY

SIDE ONE

2681

4-15-13W

and

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

API NO. 15- 167-22,983

County Russell

NW SW NE _____ Sec. 4 Twp. 15S Rge. 13 East West

3630 Ft. North from Southeast Corner of Section

2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Heffernan Well # 5

Field Name Hall-Gurney

Producing Formation Lansing/Tarkio

Elevation: Ground 1722' KB 1727'

Total Depth 3200' PBDT _____

Operator: License # 6246

Name: Bennett & Schulte Oil Co.

Address P. O. Box 329

City/State/Zip Russell, KS 67665

Purchaser: _____

Operator Contact Person: Frank R. Schulte

Phone (913) - 483-2721

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Dave Shumaker

Designate Type of Completion

New Well _____ Re-Entry _____ Workover _____

Oil _____ SWD _____ Temp. Abd. _____

_____ Gas _____ Inj _____ Delayed Comp. _____

_____ Dry _____ Other (Core, Water Supply, etc.) _____

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

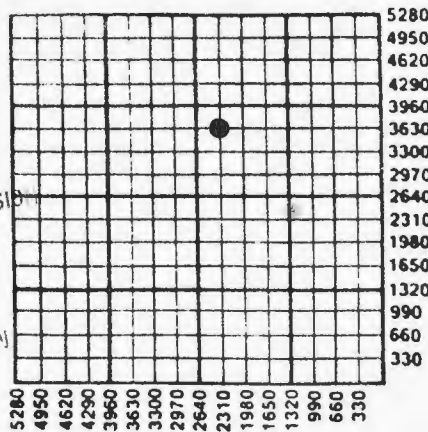
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary _____ Air Rotary _____ Cable _____

7/91 _____ 7/6/91 _____ 8/20/91 _____

Spud Date _____ Date Reached TD _____ Completion Date _____



Amount of Surface Pipe Set and Cemented at 232 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 974 Perf Feet

If Alternate II completion, cement circulated from 232.5-974

feet depth to surface w/ 150 275 sx cmt.

RECEIVED
STATE CORPORATION COMMISSION
NOV 7 1991
CONSERVATION DIVISION
Wichita, Kansas

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 Frank R. Schulte

Title Partner Date 11/5/91

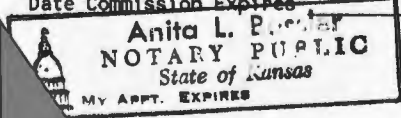
Subscribed and sworn to before me this 6th day of November, 19 91.

Notary Public Anita L. Bassler

Date Commission Expires 10/31/93

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 J.S.
(Specify)



4-15-13W

SIDE TWO

Operator Name Bennett & Schulte Oil Company Lease Name Heffernan Well # 5
Sec. 4 Twp. 15S Rge. 13 East West County Russell

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>689</td><td>+1038</td></tr> <tr><td>Base Anhydrite</td><td>722</td><td>+1005</td></tr> <tr><td>Tarkio Lime</td><td>2319</td><td>-592</td></tr> <tr><td>Topeka</td><td>2595</td><td>-668</td></tr> <tr><td>Heebner Shale</td><td>2825</td><td>-1098</td></tr> <tr><td>Douglas</td><td>2859</td><td>-1132</td></tr> <tr><td>Lansing</td><td>2893</td><td>-1166</td></tr> <tr><td>Base Kansas City</td><td>3155</td><td>-1428</td></tr> <tr><td>Conglomerate</td><td>3158</td><td>-1431</td></tr> <tr><td>RTD</td><td>3200</td><td>-1473</td></tr> <tr><td></td><td>3200</td><td>-1473</td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	689	+1038	Base Anhydrite	722	+1005	Tarkio Lime	2319	-592	Topeka	2595	-668	Heebner Shale	2825	-1098	Douglas	2859	-1132	Lansing	2893	-1166	Base Kansas City	3155	-1428	Conglomerate	3158	-1431	RTD	3200	-1473		3200	-1473
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Spools Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																					
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																					
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																					

CASING RECORD LTD 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	232.5	60/40 poz	150	3%cc, 2%gel
Production	7 7/8"	5 1/2"	14	3155	60/40 poz	425	10%gel, 10%salt 5%Gill/1/4#Flo-seal

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	Shot 1' at 1120'	squeeze 275 sx 60/40, 6%gel, 3%cc	Plug @ 1170' Packer @ 974'
4	2927 to 2933	3000 gal 28% HCL (Acid)	
2	2282 to 2287 & 2258 to 2263	Frac 20,000 Lbs. Sand, & Water	

TUBING RECORD Size 2 1/2" Set At 3150 Packer At None Liner Run Yes No

Date of First Production 8/21/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours
 Oil 8 Bbls. Gas Mcf Water 30 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 Other (Specify)

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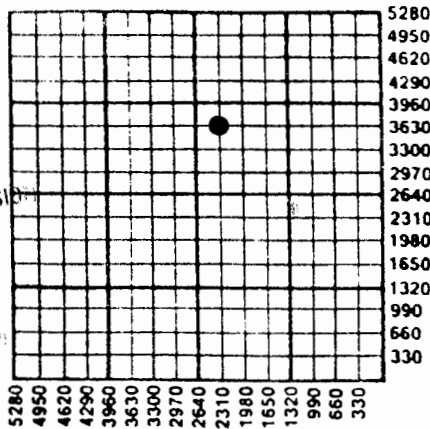
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Signature Frank R. Schulte

Title Partner Date 11/5/91

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Notary Public Anita L. Bassler
Anita L. Bassler

Date Commission Expires 10/31/93

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 *F.S.*

(Specify)

Anita L. Bassler
NOTARY PUBLIC
State of Kansas
My APPT. EXPIRES