

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 # 31836
Name: St. Mary Land & Exploration Co.
Address 1776 Lincoln St., Suite 1100

City/State/Zip Denver, CO 80203

Purchaser: KN Gas Gathering

Operator Contact Person: Bob Bachman

Phone (303) 863-4327

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: _____

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:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

07-22-97 07-25-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21, 646-0000

County Seward

- NW - NW - SW Sec. 20 Twp. 32S Rge. 32 X E

2290' Feet from S/N (circle one) Line of Section

4950' Feet from E/W (circle one) Line of Section

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

Lease Name Wettstein Well # 1

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2832' KB 2837'

Total Depth 2750' PBDT 2717'

Amount of Surface Pipe Set and Cemented at 575.00 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 Att. 1, 4-14-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name 11-14-97

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

Title Geologist Bob Bachman Date 11/11/97

Subscribed and sworn to before me this 11 day of November, 19 97.

Notary Public Anita L Pollock

Date Commission Expires My Commission Expires 10/01/2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/> Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/> Wireline Log Received	
C	<input type="checkbox"/> Geologist Report Received	
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

Operator Name St. Mary Land & Exploration Co. Lease Name Wettstein Well # 1
 Sec. 20 Twp. 32S Rge. 32 ☐ East ☒ West
 County Seward

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:

*Dual Induction, Form Evaluation,
 Micro Elect., Comp SSD & Neutron*

☒ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum
 Harrington 2613'
 Krider 2638'
 Lower Krider 2680'

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	7 7/8"	8 5/8"	23#	575.00	AL Lite	210	3% cc, 1/4# flo seal per sk
			Followed with		Class "A"	125	3% cc, 2% gel.

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	2646-2656'	Frac w/ 70 quantity N2 foam	
4	2616-2622'	36,000# 16-30 sand	

TUBING RECORD	Size 2 3/8"	Set At 2596'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. WOPL	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas 125 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION

☐ Vented ☒ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

Production Interval
☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

ALLIED CEMENTING CO., INC.

6268

ORIGINAL

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

SERVICE POINT:
med. lodge, ks.

DATE <u>7-23-97</u>	SEC. <u>20</u>	TWP. <u>32s</u>	RANGE <u>32w</u>	CALLED OUT <u>4:30 P.M.</u>	ON LOCATION <u>1:00 A.M.</u>	JOB START <u>6:45 A.M.</u>	JOB FINISH <u>8:15 A.M.</u>
LEASE <u>Wettstein</u>		WELL # <u>1</u>	LOCATION <u>160+Kismet RD. 5W on 160</u>			COUNTY <u>Seward</u>	STATE <u>KS.</u>
OLD OR <u>NEW</u> (Circle one)				<u>1S-1W-1/2S-E/4</u>			

CONTRACTOR Abercrombie Drq. RTO

TYPE OF JOB Surface Csg

HOLE SIZE 12 1/4 T.D. 576

CASING SIZE 8 5/8 x 23 DEPTH 575

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 600 MINIMUM 200

MEAS. LINE SHOE JOINT 44.86

CEMENT LEFT IN CSG.

PERFS.

EQUIPMENT

PUMP TRUCK CEMENTER Arny Dreiling

255-265 HELPER Shane

BULK TRUCK

257-251 DRIVER Randie L.

BULK TRUCK

DRIVER

REMARKS:

Pipe on Bottom. Break Circ.
Cement 210sxs. ALW + 3% CAC² +
1/4# Flo. Seal. 125sxs. CLASS A 3% CAC²
2% Gel Release Plug. Pump & Displace
Plug w/ 3.5 Bbls. Fresh H₂O. Pump
Plug. Release PSI. Float Held.
Cement Circ. to Surface. ✓

SERVICE

DEPTH OF JOB <u>575'</u>		
PUMP TRUCK CHARGE <u>0-300'</u>		<u>560.00</u>
EXTRA FOOTAGE <u>275'</u>	@ <u>.50</u>	<u>137.50</u>
MILEAGE <u>24</u>	@ <u>2.85</u>	<u>68.40</u>
PLUG Rubber <u>8 5/8</u>	@ <u>90.00</u>	<u>90.00</u>
	@	
	@	

TOTAL \$855.90

CHARGE TO ABERCROMBIE, RTO

STREET 150 N. MAIN, #801 Union Center

CITY WICHITA STATE KANSAS ZIP 67202

FLOAT EQUIPMENT

1-AFU Insert	@ <u>358.00</u>	<u>358.00</u>
1-Basket	@ <u>200.00</u>	<u>200.00</u>
2-Centerlizers	@ <u>61.00</u>	<u>122.00</u>
	@	
	@	

TOTAL \$680.00

TAX

TOTAL CHARGE \$5244.70

DISCOUNT \$786.70

IF PAID IN 30 DAYS

Net \$4458.00

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.

SIGNATURE x W. C. Craig