

ORIGINAL

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

API NO. 15- 081-21037-0000

County Haskell

90°N & 50°W of S/2 N/2 SE S 28 T 29S R 34 W

1740 Feet from S Line of Section

1370 Feet from E Line of Section

Footages Calculated From Nearest Outside Section Corner:

NE, SE, NW, or SW (circle one)

Lease Name MLP Koenig Well # 2-28

Field Name Eubank South

Producing Formation Chester

Elevation: Ground 2973 KB

Total Depth 5650 PBDT

Amount of Surface Pipe Set and Cemented at 1830 Feet.

Multiple State Cementing Collar Used? Yes No

If yes, show depth set 2950 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan AH-1, 7-8-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 7100 ppm Fluid volume 688 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec Twp R E/W

MAR 26

County CONFIDENTIAL Docket No.

Operator: License # 3871

Name: Hugoton Energy Corporation

Address: 301 N. Main, Suite 1900

City/State/Zip Wichita, Kansas 67202

Purchaser:

Operator Contact Person: Earl Ringeisen

Phone (316) 262-1522

Contractor: Name: Val Energy

License: 5822

Wellsite Geologist: Curtis Covey

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 PBDT
- Commingled Docket No.
- Dual Completion Docket No.
- Other (SWD or Inj?) Docket No.

12/05/96 12/16/96 01/11/97
Spud Date 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, Finney State Office 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 Earl Ringeisen

Title Production Manager Date: 03/25/97

Subscribed and sworn to before me this 25th day of MARCH '97

Notary Public Arlene Valliquette

Date Commission Expires

NOTARY PUBLIC - STATE OF KANSAS
ARLENE VALLIQUETTE
My Appt. Exp. 7-21-99

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)

OBTAINED

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name MLP Koenig Well # 2-28
Sec 28 Twp 29S Rge 34 West County Haskell

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum Heebner Sh 3982 -1004 Lansing GP 4084 -1106 Lansing B 4130 -1152 Kansas City A 4526 -1548 Kansas City B 4602 -1624 Base Kansas City 4680 -1702 Marmaton 4685 -1707 Cherokee Sh 4862 -1884 Morrow Sh 5206 -2228 Chester 5423 -2445 St. Louis 5540 -2562
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input 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	
List All E. Logs run: <u>Borehole Compensated Sonic Gamma Ray, Microlog Gamma Ray, Compensated Neutron Litho-Density, Array Induction Micro-Resistivity</u>		

CASING RECORD							
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"	23#	1830	Class C Lite Class A	150 600 75	3% cc 3% cc, 1/4#/sk Flo-cele 3% cc
Production	7-7/8"	5-1/2"	15.5#	5646	Class H	175	2%cc, 1% D60, 1/4#/sk D29
Port Collar				2950	Class C Class C	220 75	3%D79, 2% Sl, .2% D46, 1/4#/sk D29 1/4#/sk D29

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			

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 4	5512-5518' Plugged off, CIBP @ 5490' 5424-5436	250 gal 15% NE-FE acid & 1800 gal 7-1/2% acid

TUBING RECORD		Size <u>2-7/8"</u>	Set At <u>5463'</u>	Packer at <u>NA</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	<u>1/22/97</u>	Producing Method	<input type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production per 24 Hours	Oil Bbbs <u>120</u>	Gas Mcf <u>78</u>	Water Bbbs <u>37</u>	Gas-Oil Ratio <u>650:1</u>	Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit (ACO-18)) Other (Specify) _____

Form ACO-1 (7/91)

RECORDED & INDEXED

NOV 19 1997

ALLIED CEMENTING CO., INC.

5160

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

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>12-6-96</u>	SEC. <u>28</u>	TWP. <u>29S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>3:15 PM</u>	JOB START <u>6:00 PM</u>	JOB FINISH <u>12:01 AM</u>
LEASE <u>MLP Kojins</u>	WELL # <u>2-28</u>	LOCATION <u>Satanta 3N-2W-4N-W.S.</u>			COUNTY <u>Haskell</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR <u>Val Drlg Rig #1</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Sur Face</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>1834'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1830'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>800</u>	MINIMUM <u>150</u>
MEAS. LINE	SHOE JOINT <u>45'</u>
CEMENT LEFT IN CSG. <u>45'</u>	
PERFS.	

AMOUNT ORDERED 150 sks "C" 3% CC
600 sks Lite 3% CC, 1/4" Flo-Seal
75 sks Class A + 3% CC

COMMON <u>150 sks "C"</u>	@ <u>9.00</u>	<u>1,350.00</u>
POREX <u>75 sks "A"</u>	@ <u>7.20</u>	<u>540.00</u>
GEL	@	
CHLORIDE <u>27 sks</u>	@ <u>28.00</u>	<u>756.00</u>
<u>Lite - 600 sks</u>	@ <u>6.65</u>	<u>3,990.00</u>
<u>Flo-Seal 150 #</u>	@ <u>1.15</u>	<u>172.50</u>
	@	
	@	
	@	
	@	
HANDLING <u>825 sks</u>	@ <u>1.05</u>	<u>866.25</u>
MILEAGE <u>4¢ per sk mile</u>		<u>825.00</u>

EQUIPMENT

RELEASED

APR 09 1999

PUMP TRUCK	CEMENTER <u>Max</u>
# <u>102</u>	HELPER <u>WERNER</u>
BULK TRUCK	
# <u>309</u>	DRIVER <u>Jeff</u>
BULK TRUCK	
# <u>305</u>	DRIVER

TOTAL 8,499.75

REMARKS:

Cmt 8" surface Csg with 650 sks Lite + 3% CC
CC 4" Flo-Seal + 150 sks class C + 3% CC
Drop Plug Displace 114 BBL Land Plug
Flo-Seal held cement did not circulate
Top OFF with 75 sks Class A + 3% CC
Cement to surface. ✓

DEPTH OF JOB	<u>1830'</u>
PUMP TRUCK CHARGE	<u>1,030.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>25-miles</u>	@ <u>2.85</u> <u>71.25</u>
PLUG <u>8 5/8 Rubber</u>	@ <u>90.00</u>
	@
	@

TOTAL 1,191.25

CHARGE TO: Hugoton Energy
STREET 4532 W Jones Ave.
CITY Garden City STATE Kansas ZIP 67846

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

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 Rale Smith

RECEIVED
KANSAS CORP COMM
1997 MAR 27 A 11:30

MAR 26

CONFIDENTIAL

SERVICE

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 8831 DATE: 12-16-96
STAGE: DS DISTRICT: Ulysses, KS

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. **MLP KOENIG #2-28** LOCATION (LEGAL) **Sec. 28-29s-34w**
FIELD-POOL **EUBANK** FORMATION
COUNTY/PARISH **Haskell** STATE **Ks** API. NO.

RIG NAME: **Val Energy #1**
WELL DATA: **Val Energy #1** BOTTOM TOP
BIT SIZE **7 7/8** CSG/Liner Size **5 1/2**
TOTAL DEPTH **0** WEIGHT **153**
 ROT CABLE FOOTAGE **5650**
MUD TYPE GRADE **TSS**
 BHST BHCT THREAD **8R0**
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **2.8**
MUD VISC. Disp. Capacity **133.8**

ORIGINAL

NAME **Hugoton Energy Corp**
AND
ADDRESS
ZIP CODE

NOTE: Include Footage From Ground Level To Head in Disp. Capacity

Float	TYPE Insert + Float Valve	DEPTH 5622	TYPE	DEPTH 2950
Shoe	TYPE cm + nose	DEPTH 5650	TYPE	DEPTH

SPECIAL INSTRUCTIONS
CONFIDENTIAL

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT TOOL TYPE DEPTH
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage THREAD TUBING VOLUME Bbls
 Knockoff NEW USED CASING VOL. BELOW TOOL Bbls
TOP OR DEPTH TOTAL Bbls
BOT OR DEPTH ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE **3689** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT PSI BUMP PLUG TO **1330** PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers **10**

TIME	PRESSURE		VOLUME PUMPED gbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
1437	2450										
1439	0	10			4	rw100					
1441	350	10			4	H20					
1444	300	34			4	cm + 16.4					
1449	230		24		4	cm + 16.4					
1453	0										
1457	0	133.8			6	H20					
1500	120		20		6	H20					
1513	120		100		6	H20					
1516	410		120		6	nu					
1517	580		125		2.4	nu					
1519	560		132		2.4	nu					
1520	1330		134		2.4	nu					
1521											

SERVICE LOG DETAIL
PRE-JOB SAFETY MEETING + PSI Test lines
START rw100
START H2O behind
START cm + slurry
PSI check
shutdown wash pump lines drop top plug
START displacement
PSI check
" "
" "
lower rate
PSI check
drop top plug
bleed psi of check float + holding
END JOB

RECEIVED
ANSA'S COMP
MAR 27 AM 11:27

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	175	1.05	class H + 2% carb + 1% D160 + 4% D29				32	16.4
2.			RELEASED					
3.								
4.								
5.								
6.								

APR 09 1999

BREAKDOWN FLUID TYPE VOLUME FROM CONFIDENTIAL DENSITY PRESSURE MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **133.8** Bbls TYPE OIL STORAGE BRINE WATER
Washed Thru Perls YES NO TO FT. MEASURED DISPLACEMENT WIRELINE OF WELL GAS INJECTION WILDCAT
PERFORATIONS CUSTOMER REPRESENTATIVE **Joe Brougher** DS SUPERVISOR **James Esquivel**

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 8867
DATE: 1-3-99
STAGE: 1 DS: 173 DISTRICT: 13

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO.: MID KOELING 2-28
LOCATION (LEGAL): SEC 28-29S-34E
FIELD-POOL: *Elmston*
FORMATION: *Chico*
COUNTY/PARISH: *Haskell* STATE: *KS* API. NO.:

RIG NAME: *Patrick*
WELL DATA: BOTTOM TOP
BIT SIZE: CSG/Liner Size
TOTAL DEPTH: WEIGHT
 ROT CABLE FOOTAGE
MUD TYPE: GRADE
 BHST BHCT THREAD
MUD DENSITY: LESS FOOTAGE SHOE JOINT(S)
MUD VISC.: Disp. Capacity

NAME: *Hiligdon Energy*
AND:
ADDRESS:
ZIP CODE:

CONFIDENTIAL

ORIGINAL

SPECIAL INSTRUCTIONS:
*Barlow cont 5' part - collar - again
construction & instructions*

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
				<i>Rot collar</i>	<i>2642</i>
SHOE	TYPE	DEPTH			

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE: *2 3/8* TOOL TYPE: DEPTH
 Single WEIGHT: *6.5*
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD: *RRD* TUBING VOLUME: *15.3* Bbls
TOP: OR NEW USED CASING VOL. BELOW TOOL: *5* Bbls
BOT: OR DEPTH TOTAL: Bbls
ANNUAL VOLUME: Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE: PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT: *2000* PSI BUMP PLUG TO: PSI
ROTATE: RPM RECIPROCATE: FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
14 36		1960		X							
14 39				X							
14 41		790	10	X	5.6	11	11				
14 44		980	177	10	5.6	11	11				
14 51		1600		36	5.6	11	11				
14 57		520		39	3.8	11	11				
15 16			17	137							
15 16		390		127							
15 18		170	15	144							
15 21		900		151							
15 23		1200		156							
15 25		1980									
15 39		1470	20								
15 46		3612		30							

RECEIVED
ANSAS CORP COM
1997 MAR 27 A.M. 11:27
MAR 26
7:17

REMARKS: *Let down 17' and service*

SYSTEM CODE	NO. OF SACKS	YIELD .CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			RELEASED	APR 09 1999	BBLS	DENSITY	
1.	220	3.23	C + 3% 0-79 + 2% 5-1	RELEASED	APR 09 1999	127	11.1
2.							
3.	75	1.32	C + 4% 0-79			17	14.9
4.							
5.							
6.							

BREAKDOWN FLUID TYPE: VOLUME DENSITY PRESSURE MAX. 1980 MIN. 170
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 18 Bbls
BREAKDOWN: PSI FINAL . PSI DISPLACEMENT VOL. 15 Bbls TYPE OF WELL: OIL GAS STORAGE BRINE WATER WILDCAT
Washed Thru Perfs: YES NO TO: FT. MEASURED DISPLACEMENT: WIRELINE
PERFORATIONS: CUSTOMER REPRESENTATIVE: *Joe Bronger* DS SUPERVISOR: *Ray B. Lerner*

*****TIGHT HOLE*****
Drill Stem Test Information for ACO-1
Hugoton Energy Corporation
MLP Koenig #2-28
Sec. 28-29S-34W, Haskell County, KS
API # 15-081-21037

ORIGINAL

DST 1

Test Interval: 5185' - 5300'

Times: 30-60-45-90

First Open: Strong blow. Off BOB in 1 min. GTS in 7-1/2 mins. No blow back during shut-in

Second Open: Strong blow. Off BOB immediately. No blow back during shut-in

Recovery: 135' gassy drilling mud

Pressures
IHP 2524
IFP 134-112
ISIP 1243
FFP 156-112
FSIP 1243
FHP 2496

DST 2

Test Interval: 5415' - 5458'

Times: 30-60-60-90

First Open: Strong blow. Off BOB in ¼ min. GTS in 5 min. Strong blow back off BOB

Second Open: Strong blow. Off BOB in 1 min. Strong blow back off BOB

Recovery: 5000' clean gassy oil
40' heavy oil cut gassy mud

Pressures
IHP 2612
IFP 358-658
ISIP 1389
FFP 734-1069
FSIP 1352
FHP 2981

CONFIDENTIAL

RELEASED

APR 09 1999

FROM CONFIDENTIAL

KCC
MAR 26
CONFIDENTIAL

RECEIVED
KANSAS CORP COMM
1997 MAR 27 A 11:27