

CONFIDENTIAL

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

API NO. 15- 187-20694-0000

County Stanton

 NW - SE - - Sec. 17 Twp. 29S Rge. 39 E

1980 Feet from S/N (circle one) Line of Section

1980 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 M R Garey Well # 1-17

Field Name Sand Arroyo

Producing Formation Morrow

Elevation: Ground 3216 KB 3226

Total Depth 5840 PBDT

Amount of Surface Pipe Set and Cemented at 1828 Feet.

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan 4-20-94
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite RELEASED

Operator Name MAR 4 1994

Lease Name License No.

 Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 3871 **KCC**

Name: Hugoton Energy Corporation **JAN 28**

Address 229 E. William, Suite 500

City/State/Zip Wichita, KS 67202

Purchaser: KOCH - WILLIAMS

Operator Contact Person: Jim Gowens

Phone (316) 262-1522

Contractor: Name: Murfin Drilling Co., Inc. **1-31-1994**

License: 30606

Wellsite Geologist: Karl Osterbuhr

Designate Type of Completion

X New Well Re-Entry Workover

 Oil SWD SLOW W/Temp. Abd.

X 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.

10-06-93 10-16-93 11-16-93

Spud Date Date Reached TD Completion Date

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 [Signature]

Title Jim Gowens, Exploration Manager Date

Subscribed and sworn to before me this 28 day of January 19 94.

Notary Public Sarah E Reynolds

Date Commission Expires

SARAH E. REYNOLDS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 9-22-96

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)

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name M R Garey Well # 1-17

East

County Stanton

Sec. 17 Twp. 29S Rge. 39
 West

ORIGINAL

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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	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample.
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED SHEET	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p style="text-align: center;">KCC JAN 28 CONFIDENTIAL</p>	
List All E. Logs Run: <u>DSI,PDS,MRS</u>			

RECEIVED
STATE CORPORATION COMMISSION
JAN 31 1994

Cementing Record
STATE CORPORATION COMMISSION
Wichita, Kansas

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"		1828'	65/35 Class C	600 150	6% GEL + 2% CC + 1/4# D29 2% CC + 1/4# D29
production	7-7/8"	4-1/2"	11.6#	5639'	Class C	300	2% SI + 5% D60 + 1/4# SK D29

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	0 - 2915'	65/35	225	6% D20 + 2% SI + 1/4# SK D29
<input type="checkbox"/> Plug Back TD		Class C	100	2% SI + 1/4# SK D29
<input type="checkbox"/> Plug Off Zone				

FROM CONFIDENTIAL

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
2	5467' - 70' (3')	Acidized with 1250 gal 15% NE acid w/clay stabilizer and iron agent.	5467 - 96'
2	5485' - 96' (11')		

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>5485'</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>11-16-93</u>		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 <u>0</u> Bbls.	Gas <u>500</u> Mcf	Water <u>0</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18)
 Open Hole Perf. Dually Comp. Commingled 5467 - 96
 Other (Specify) _____

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HUGOTON ENERGY CORPORATION
ADDITIONAL SHEETS FOR ACO-1
M R GAREY 1-17
API #15-187-20694

ORIGINAL

Log Formation (Top), Depth and Datums Sample.

Name	Top	Datum
Krider	2300	+926
Winfield	2362	+864
Council Grove	2572	+654
Wabaunsee	3019	+207
Heebner	3764	-538
Lansing 'A'	3862	-636
Marmaton	4440	-1214
Marmaton Pay	4548	-1322
Cherokee Shale	4616	-1390
Atoka	4888	-1662
Morrow Shale	5132	-1906
Morrow G-1 Sand	5463	-2237
Morrow G-2 Sand	5483	-2257
St. Gen.	5558	-2332
St. Louis	5613	-2387
St. Louis 'B'	5677	-2451
St. Louis 'C'	5766	-2540

KCC
JAN 28
CONFIDENTIAL

RELEASED
MAR 14 1996
FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
JAN 31 1994
CONSERVATION DIVISION
Wichita, Kansas



TREATMENT NUMBER 03-12-5596	DATE 10-8-93
STAGE DS	DISTRICT Idlysses, Ks.

PS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **M.R. GAPPY #1-17**

LOCATION (LEGAL) **Sec. 17-29s-39w**

FIELD-POOL

COUNTY/PARISH **Stanton**

STATE **Ks.**

API. NO.

NAME **Huyotou Energy Corp.**

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

ORIGINAL KCC

JAN 2 8

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IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **752** PSI CASING WEIGHT SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO **1250** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers **3**

RIG NAME: **Mud Fin Drilling #20**

WELL DATA:	BOTTOM	TOP
BIT SIZE 2 1/2	CSG/Liner Size 8 1/2	
TOTAL DEPTH 1830	WEIGHT 24	
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 1833	
MUD TYPE	GRADE ISS	
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD Red	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 21	TOTAL
MUD VISC.	Disp. Capacity 170	

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

Float	TYPE Insert Float Valve	TYPE
DEPTH	1802	DEPTH
SHOE	TYPE CMT NOSE	TYPE
DEPTH	1833	DEPTH

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT TYPE

Single GRADE DEPTH

Swage THREAD TAIL PIPE: SIZE DEPTH

Knockoff NEW USED TUBING VOLUME Bbls

TOP OR DEPTH CASING VOL. BELOW TOOL Bbls

BOT OR DEPTH TOTAL ANNUAL VOLUME Bbls

TIME 0001 to 2400

PRESSURE TBG OR D.P. CASING

VOLUME PUMPED BBL INCREMENT CUM

JOB SCHEDULED FOR TIME **0130** DATE **10-8-93** ARRIVE ON LOCATION TIME **0130** DATE **10-8-93** LEFT LOCATION TIME **0830** DATE **10-8-93**

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0615	50	12			7	H2O		PRE-JOB SAFETY MEETING
0617	180	224			7.1	CMT	12.2	start H2O ahead
0632	210	112			7.2	CMT	12.2	start load cmt.
0646	140	35			7.2	CMT	14.8	DSI check
0648	270	20			7.3	CMT	14.8	start tail cmt.
0651	0							psi check
0652	0	114.1			6.2	H2O		shutdown deep top plug
0657	160	30			6.2	H2O		start displacement
0700	270	50			6.2	H2O		psi check
0702	280	60			6.2	H2O		" "
0706	410	85			6.2	H2O		" "
0709	600	106			2	H2O		CMT TO SURFACE
0711	580	113			2	H2O		lower rate
0712	1230	115			2	H2O		plug top plug
0720	1250							plug top plug again

REMARKS

shut head manifold in blood out of end job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	600	2.10	35002 + 6% gel + 2% cacl ₂ + 47D29	224.2	12.2
2.					
3.	150	1.32	class C + 2% cacl ₂ + 47D24	35.2	14.8
4.					
5.					
6.					

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. VOLUME CIRCULATION LOST YES NO

DENSITY PRESSURE MAX. **80** PSI

Cement Circulated To Surf. YES NO **30** Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **114.1** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Podany Farr** DS SUPERVISOR **James Ecouvel**

CEMENTING SERVICE REPORT

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DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 83-12-5618 DATE 10-17-93

STAGE DS DISTRICT 2140565 KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. M.P. GARDY #1-17 LOCATION (LEGAL) SEC 17-29S-39W

RIG NAME: MURKIN #20

FIELD-POOL FORMATION

WELL DATA: BOTTOM TOP

COUNTY/PARISH STANTON STATE KANSAS API. NO.

BIT SIZE 778 CSQ/Liner Size 412

NAME HUGOTON ENERGY

TOTAL 5640 WEIGHT 11.6

AND ADDRESS

ROT. CABLE FOOTAGE 5639.41

SPECIAL INSTRUCTIONS KCC

MUD TYPE GRADE

JAN 20

THREAD

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MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 32.81 TOTAL 86.9

IS CASING/TUBING SECURED? YES NO

MUD VISC. Disp. Capacity 5606.6

LIFT PRESSURE PSI CASING WEIGHT SURFACE AREA

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

PRESSURE LIMIT PSI BUMP PLUG TO 1380 PSI

Head & Plugs TBG D.P. SQUEEZE JOB

ROTATE RPM RECIPROCATATE FT No. of Centralizers 6

TOOL TYPE DEPTH

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE
0604	2000				2400	10-16				0730	10-17
0608		420	12		5	5	Water				
0612		330	71	12	7	7	Water	14.8			
0621		-		83	-	-					
0621		-		83							
0625		-		83							
0625		50	87	83	7	7	Water				
0632		-		44	2	2					
0633		-		46	7	7					
0634		266		56	7	7					
0638		630		82	2	2					
0641		690		87							
0641		1380		87							

REMARKS CONSERVATION DIVISION Wichita, Kansas.

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	300	1.32	Class C + 2903.1 + 1.5% 1560 + 44 #32029	87	87	14.8
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 1380 MIN.

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 87 Bbls TYPE OF WELL OIL STORAGE BRINE WATER

Washed Thru Peris YES NO TO FT. MEASURED DISPLACEMENT WIRELINE INJECTION WILDCAT

PERFORATIONS CUSTOMER REPRESENTATIVE DS SUPERVISOR

TO TO TO TO JOE GREG GRENOR