

ORIGINAL

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

Operator: License # 3871

Name: Hugoton Energy Corporation

Address 229 E. William, Suite 500

City/State/Zip Wichita, KS 67202

Purchaser: SPOT

Operator Contact Person: Jim Gowens

Phone (316) 262-1522

Contractor: Name: MURFIN DRILLING COMPANY RIG #16

License: 30606

Wellsite Geologist: RON OSTERBUHR

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW 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. _____

7-9-90 7-16-90 11-28-90
Spud Date Date Reached TD Completion Date

API NO. 15- 055-20925-0000

County FINNEY

C - SE4 - Sec. 30 Twp. 22 Rge. 31 XX W

1320 Feet from S/N (circle one) Line of Section

1320 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 RUSSEL Well # 1-30

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2910 KB 2916

Total Depth 4970 PBDT 1299

Amount of Surface Pipe Set and Cemented at 1299 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 6-1-93
(Data must be collected from the Reserve Pit)

Chloride content 2500 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. S Rng. E/W

County _____ Docket No. _____

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 5-25-93

Subscribed and sworn to before me this 25 day of May, 19 93.

Notary Public Sarah E. Reynolds

Date Commission Expires 9-22-98

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) _____
STATE CORPORATION COMMISSION

*LOGS WERE FILED WITH ORIGINAL ACO1 FORM
DEEP WELL PLUGGED BACK FOR HUGOTON POOL GAS COMPLETION

SARAH E. REYNOLDS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. _____

JUN 1 1993

CONSERVATION DIVISION
Wichita, Kansas

81

Operator Name Hugoton Energy Corporation Lease Name RUSSEL Well # 1-30
 Sec. 30 Twp. 22 Rge. 31 East County FINNEY West

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:
 DIL W/SP, CNL/FDC, W/CALIPER, MICRO

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 HEEBNER 3966 -1052
 LANSING 4055 -1139

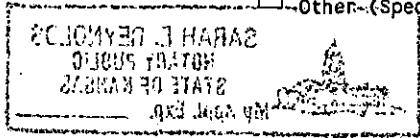
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4	8.625	24	1299	CLASS C	600	
PRODUCTION	7 7/8	4.5	10.5	2919	35/65 POZ	575	

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
2	2700-2710	ACIDIZE WITH 500 GAL. 15% HCL;	
		FRAC WITH 22,386 GAL.+983 LBS. SAND	

TUBING RECORD		Size	Set At	Packer At	Liner Run				
		2 3/8	2707			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.			Producing Method						
5-20-93			<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 Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity		
		82		50					

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2700-2710 OA
 (If vented, submit ACO-18.) Other--(Specify) _____



WESTERN PETROLEUM SERVICES CEMENTING REPORT

15-055-20925-0066 F.R.# 35689

DATE 7/17/90 DISTRICT Wichita
 OPERATOR Energy
 WELL NAME & NUMBER D-20117-1-20 **ORIGINAL**
 LOCATION: SEC. 30 BLOCK OR TOWNSHIP 7S SURVEY OR RANGE 31W
 COUNTY Finney STATE Kan
 STAGE NUMBER 1 TYPE JOB Surf

TBG/DP: Size	Weight	Disp	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval			Size				
Pkr: Type	Set at		Weight				
Open Hole Size <u>12 1/4</u>	Formation		Thread				
Stage Collar Type	Set at		Capacity				
Estimated Wash Out %			Depth				

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H2O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
<u>65/35 675cl</u>							
<u>150 sk 3% C.C. 14 3/4" Coll Seal</u>		<u>11</u>	<u>11.2</u>	<u>20</u>		<u>71</u>	<u>59.1</u>
<u>150 sk 3% C.C.</u>		<u>673</u>	<u>11.2</u>	<u>20</u>		<u>98</u>	<u>55.1</u>

Total Mix H2O 140.4 Bbls. Total Displacement 81 Bbls. Type 1/0 Total Products 70.5 Bbls

Time	Remarks	Rate	Pressure	
			Tubing	Casing
<u>PM</u>				
<u>12:30</u>	<u>Went up to C.C. Hole</u>			
<u>12:45</u>	<u>Meeting - Outline Job</u>			
<u>1:00</u>	<u>Start H2O ahead 10881</u>	<u>5</u>		<u>200</u>
<u>1:02</u>	<u>Start pump lead cement 154 bbl @ 11.2</u>	<u>5</u>		<u>200</u>
<u>1:32</u>	<u>Start pump tail cement 35.4331 @ 11.2</u>	<u>5</u>		<u>250</u>
<u>1:38</u>	<u>Start pump spacer 20.51 bbl</u>	<u>5</u>		<u>250</u>
<u>1:39</u>	<u>Start pump cement w 81 bbl H2O</u>	<u>5</u>		<u>2-750</u>
<u>2:02</u>	<u>check flow</u>	<u>2</u>		<u>150-1250</u>
<u>2:03</u>	<u>check flow - OK</u>			<u>750-0</u>

Break Down At BPM At PSI
 Squeezed To PSI Running Hesitation
 Reversed out BBL Slurry at PSI
 Customer considered service Satisfactory Unsatisfactory
 Customer Rep: Rodney Ferr
 052-1451

Max Pressure 1270 Differential Press. **RECEIVED**
 Bumped Plug Yes No Pressure to STATE CORPORATION COMMISSION
 Cmt. Circ. to surface Sacks
 Float Held Yes No **JUN No 1 1993**
 Shut in with PSI
 Service Supervisor James CONSERVATION DIVISION
 Wichita, Kansas

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

15-055-20925-0000
 TREATMENT NUMBER 03-12-2844 DATE 7/17/90
 STAGE DS DISTRICT U105223 KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **Russell #1-30** LOCATION (LEGAL) _____ RIG NAME: **Murfin #16**

FIELD-POOL _____ FORMATION _____ WELL DATA: BIT SIZE **4 1/8** CSG/Liner Size **4 1/2** BOTTOM _____ TOP _____

COUNTY/PARISH **Finney Co.** STATE **KANSAS** API. NO. _____ TOTAL DEPTH **10.5** WEIGHT **2924** ORIGINAL

NAME **Hugoton Energy** MUD TYPE _____ GRADE _____ MUD DENSITY _____ LESS FOOTAGE SHOE JOINT(S) **42** MUD VISC. _____ Disp. Capacity **2882** TOTAL **45.9**

ADDRESS _____ ZIP CODE _____

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

SPECIAL INSTRUCTIONS
Supply Materials + Services to SAFELY
Cmt 4 1/2 production

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1931** PSI CASING WEIGHT * SURFACE AREA (3.14 x R²) _____

PRESSURE LIMIT **1500** PSI BUMP PLUG TO **+ 200** PSI

ROTATE _____ RPM RECIPROCATE _____ FT. No. of Centralizers **8**

SHOE PLUG: TYPE **Auto fill Inset** DEPTH **2877** TYPE _____ DEPTH _____

TYPE **Cmt + Bore** DEPTH **2919** TYPE _____ DEPTH _____

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT

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 ANNUAL VOLUME _____ Bbls

TIME	PRESSURE		VOLUME PUMPED DBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400	NA										
22:00		X					160	8.34		PRE-JOB SAFETY MEETING	
22:03		370	10		7.3		160	8.34		Start H ₂ O ahead	
22:05		370	135		7.3		Cmt	12.4		Start lead Cmt	
22:23		150	47		4.2		Cmt	19.8		Start Tail Cmt	
22:29		50								Shut down, wash line, Drop plug	
22:34		50	45.8		3.8		160	8.34		Start Displacement	
22:41		50			1.9		160	8.34		Lower pump rate	
22:49		1040								Bump top plug	
22:51		870								Release psi	
22:52										Set Name	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	375	2.01	35/65 90Z/H	+ 6% Q80	+ 2% S1	+ 1/4 #/sk W29	134.3	12.4
2.	200	1.32	Class C	+ 3% Q160	+ 1/4 #/sk Q29		47.	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE **1040** MAX. _____ MIN. **0**

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

BREAKDOWN PSI _____ FINAL PSI _____ DISPLACEMENT VOL. _____ Bbls

Washed Thru Peris YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS _____ CUSTOMER REPRESENTATIVE **Ron** DS SUPERVISOR **Greg Black** JUN 1 1993

STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita Kansas