

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

Operator: License # 5269  
Name: Kansas Natural Gas, Inc.  
Address P.O. Box 815  
  
City/State/Zip Sublette, KS 67877  
Purchaser: Williams Natural Gas  
Operator Contact Person: Mr. Steve Lehning  
Phone ( 316 ) 675-8185  
Contractor: Name: Cheyenne Drilling Company  
License # 5382  
Wellsite Geologist: Mr. Ron Osterbuhr

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: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
11-19-92 11-21-92 1-18-93  
Spud Date Date Reached TD Completion Date

ORIGINAL

API NO. 15- 081 - 20,745 - 0000  
County Haskell  
App - C - SE - 1/4 Sec. 30 Twp. 29S Rge. 32  W  
1250 Feet from  N Line of Section  
1250 Feet from  W Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE,  SE NW or SW (circle one)  
Lease Name Rohmeyer Well # 1-2  
Field Name Hugoton  
Producing Formation Chase Series  
Elevation: Ground 2918' KB 2929'  
Total Depth 2780' PBTD 2766'  
Amount of Surface Pipe Set and Cemented at 684 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 690  
feet depth to surface w/ 330 sx cmt.  
Drilling Fluid Management Plan 2-18-93  
(Data must be collected from the Reserve Pit)  
Chloride content NA ppm Fluid volume NA bbls  
Dewatering method used remove & backfill  
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 Steven M. Lehning  
Title Superintendent Date 2-5-93  
Subscribed and sworn to before me this 5 day of January, 1993.  
Notary Public Judy L. Webb  
Date Commission Expires September 11, 1996

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)  
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Notary Public-State of Kansas  
JUDY L. WEBB  
My Appl. Exp. 9-11-96

2-8-93  
RECEIVED  
CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Kansas Natural Gas, Inc. Lease Name Rohmeyer Well # 1-2

Sec. 30 Twp. 29 Rge. 32  East  West  
 County Haskell

ORIGINAL

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:  
 Gamma Ray Neutron Log  
 Cement Bond Log

Name	Top	Datum
T/Cement (for 5 1/2")	170'	+2759'
T/Permian	778'	+2151'
T/Cedar Hills	1337'	+1592'
B/Stone Corral	1851'	+1078'
T/"Chase Group"	2618'	+ 311'
T/Winfield	2722'	+ 207'
Plug Back TD	2766'	+ 163'
Rotary TD	2780'	+ 149'

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 Casing	12 1/4"	8 5/8"	24#	689'	Class "C"	330	6% Gel
Production Casing	7 7/8"	5 1/2"	14#	2765' G.L.	Class "C"	600	2% Cal. Ch.

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
(3) Shots Per Foot	2652' - 2662'	10' Zone	Acid - 2500 gals 15% HCL, 3 gals HAI60,	
	2678' - 2688'	10' Zone	25 gals MorFlo II, 125 Ball Sealers	
	2698' - 2704'	6' Zone	Fracture - 18,000# of Brady 12/20 Cross-Link Gel,	
			20 BPM, 30# Boragel.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8" EUE	2718'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.  Pending pipeline connection  
 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Open Flow	Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
NOTE: Estimated Production		443		Est. Deliv.: 443 Mcf		.681

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)

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 FEB 07  
 CONSERVATION DIVISION  
 Wichita, Kansas

2652' - 2662'
2678' - 2688'
2698' - 2704'

DRILLERS LOG

ORIGINAL

KANSAS NATURAL GAS, INC.  
ROHMEYER #1-2  
SECTION 30-T29S-R32W  
HASKELL COUNTY, KANSAS

COMMENCED: 11-19-92  
COMPLETED: 11-21-92

SURFACE CASING: 684' OF 8 5/8"  
CMTD W/180 SX 65/35 POZ/C, 6% D-20  
2% SI, 1/4#/SX D-29; TAILED IN W/  
150 SX "C", 2% SI, 1/4#/SX D-29

FORMATION	DEPTH
SURFACE HOLE	0- 700
RED BED & SAND	700-1055
RED BED	1055-1340
GLORIETTA SAND	1340-1498
RED BED	1498-2400
SHALE, LIME & CHASE	2400-2770 RTD

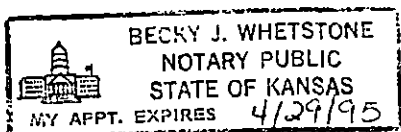
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 23RD DAY OF NOVEMBER, 1992.



Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

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CONSERVATION DIVISION  
Wichita, Kansas

DRILLING & GEOLOGICAL SUMMARY

ORIGINAL

OPERATOR: Kansas Natural Gas, Inc. KCC #: 5269  
 WELL NAME: Rohmeyer #1-2 API #: 15-081-20,745  
 LOCATION: 1250' FSL, 1250' FEL sec 30-T29S-R32W COUNTY: Haskell  
 ELEVATIONS: GL-2918', KB-2929' TOTAL DEPTH: 2770'  
 SPUD DATE: 11/19/92 DRILLING COMPLETED: 11/21/92  
 DRILLING CONTRACTOR: Cheyenne Drlg. - Rig #3 KCC #: 5382

SURFACE CASING SIZE: 8.625" WEIGHT: 24# GRADE: J55 DEPTH: 699'  
 CEMENT: 180 sx of 65/35 with 6% gel, 2% CaCl<sub>2</sub>, 1/4# cello-flake; and  
 150 sx Class "C" with 2% CaCl<sub>2</sub>, 1/4# cello-flake.  
 CASING EQUIPMENT: 2 centralizers, baffle-plate, "Texas" pattern shoe.  
 COMMENTS: circulated 58 sx cement to surface.

PRODUCTION CASING SIZE: 5.500" WEIGHT: 14# GRADE: J55 DEPTH: 2764'  
 1st STAGE CEMENT: 500 sx of 65/35 with 6% gel, 2% CaCl<sub>2</sub>, 1/4# flake;  
 100 sx "C" with 1% CaCl<sub>2</sub>, 1% "FLAC", .2% anti-foamer.  
 2nd STAGE CEMENT:  
 CASING EQUIPMENT: 8 centralizers, guide shoe, latch-down baffle & plug.  
 COMMENTS: displaced latch-down plug with acetic acid and 2% KCl water.  
 landed plug @ 1340#, circulated approx. 85 sx cement to surface.

OPEN-HOLE LOGS: none

CASED-HOLE LOGS: G/R-Neutron, CCL, Cement bond

FORMATION TOPS:

horizon	depth	datum	remarks
T/Cement (for 5 1/2")	170'	+2759'	cement top from bond log
T/Permian	778'	+2151'	"red beds"
T/Cedar Hills	1337'	+1592'	unconsolidated fine sand
B/Stone Corral	1851'	+1078'	anhydrite marker
T/"Chase Group"	2618'	+ 311'	
T/Winfield	2722'	+ 207'	
Plug-back Depth	2766'	+ 163'	log depth
Casing Total Depth	2767'	+ 162'	log depth
Rotary Total Depth	2780'	+ 149'	driller depth

PERFORATIONS: 2652'-2662', 2678'-2688', 2698'-2704'; all with 3 jet  
 shots per foot.

ACID TREATMENTS: 2500 gallons 15% HCl

FRACTURE TREATMENTS:

REMARKS: all depths are from KB elevation.

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 4887 DATE 11/19/92  
 STAGE DS DISTRICT 03-12 OKS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. ROHMEYER #1-2 LOCATION (LEGAL) Sec. 30-295-32W  
 FIELD-POOL Hugoton FORMATION Surface  
 COUNTY/PARISH Haskell STATE KS. API. NO.

RIG NAME: Cheyenne #3  
 WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 3/8  
 TOTAL DEPTH 703 HEIGHT 24  
 ROT. CABLE FOOTAGE 699  
 MUD TYPE GRADE  
 BHST THREAD 8RD  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 41  
 MUD VISC. Disp. Capacity 658  
 NOTE: Include Footage From Ground Level To Head In Disp. Capacity

NAME Cheyenne Drilling  
 AND  
 ADDRESS  
 ZIP CODE

SPECIAL INSTRUCTIONS  
 Provide materials and services to safely cement 8 3/8 surface casing.

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

IS CASING/TUBING SECURED? YES NO  
 LIFT PRESSURE 287 PSI CASING WEIGHT SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT 300 PSI BUMP PLUG TO 820 PSI  
 ROTATE RPM RECIPROCAT FT No. of Centralizers 3

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION			LEFT LOCATION		
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: 16:30	DATE: 11/19	TIME: 16:30	DATE: 11/19	TIME: 20:30	DATE: 11/19			
19:15	-	1100	1		1	H <sub>2</sub> O	8.32	PRE-JOB SAFETY MEETING Psi Test					
19:17		10	810		5.8	H <sub>2</sub> O	8.32	Start H <sub>2</sub> O Ahead					
19:19		140	67		5.8	Cmt	12.2	Start Lead Cmt.					
19:30		160	35		5.8	Cmt	14.8	Start Tail Cmt.					
19:36								Shut down Drop Plug					
19:38		0	41.9		5.8	H <sub>2</sub> O	8.32	Start Displ.					
19:44		140	32		1.9			Lower Rate					
19:49		200	42		1.9			Bump Plug - Shut in Head					
								End Job					

ORIGINAL

REMARKS 58 sks returned.

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	180	2.1	65% 4/95 1002 + 6% D20 + 2% S1 + 1/4 #/sk D25				61.3	12.2
2.								
3.	150	1.32	Class C + 2% S1 + 1/4 #/sk D25				35.2	14.8
4.								
5.								
6.								

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BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO  
 DISPLACEMENT VOL. 41.9 CONSERVATION DIVISION  
 MEASURED DISPLACEMENT 41.9 WICHITA, KANSAS  
 PERFORATIONS CUSTOMER REPRESENTATIVE Duane Bell SUPERVISOR Spencer Ridgway

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 4891	DATE 11/21/92
STAGE DS	DISTRICT

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. Kohmeyer # 1-2	LOCATION (LEGAL) Sec 30-29S-32W	RIG NAME: Cheyenne #3
FIELD-POOL Hugdon	FORMATION Chase	WELL DATA:
COUNTY/PARISH Haskell	STATE KANSAS	API NO.
NAME Cheyenne Dtg	AND	BIT SIZE 2 7/8
ADDRESS	ZIP CODE	CSG/Liner Size 5 1/2"
SPECIAL INSTRUCTIONS	IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL DEPTH 2770
	LIFT PRESSURE 1591 PSI	WEIGHT 14
	PRESSURE LIMIT 1000 PSI	FOOTAGE 2764 + 12'
	ROTATE RPM	MUD TYPE GRADE
	RECIPROCATATE FT	GRADE
	No. of Centralizers 8	THREAD 8 1/2
		MUD DENSITY 4.2
		MUD VISC. 2735
		Disp. Capacity 2735

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

Float	TYPE	Depth	Shoe Tool	TYPE	Depth
	DEPTH	2764		DEPTH	
SHOE	TYPE	DEPTH		TYPE	DEPTH
	DEPTH	2764		DEPTH	

Provide materials + services to satisfy  
Cmt + 5 1/2 Production CSG

Head & Plugs	Double	Single	Swage	Knockoff	SIZE	WEIGHT	GRADE	THREAD	SQUEEZE JOB
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

IS CASING/TUBING SECURED?	YES	NO	CASING WEIGHT	SURFACE AREA
	<input checked="" type="checkbox"/>	<input type="checkbox"/>		(3.14 x R <sup>2</sup> )
LIFT PRESSURE	1591	PSI		
PRESSURE LIMIT	1000	PSI	BUMP PLUG TO	1340
ROTATE	RPM	RECIPROCATATE	FT	No. of Centralizers 8

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME	ARRIVE ON LOCATION TIME	LEFT LOCATION TIME
0001 to 2400	TBG OR O.P.	CASING	DATE: 11/21	DATE: 11/21	DATE: 11/21

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR O.P.	CASING	INCREMENT	CUM				
13:02	90	90	20	-	5.9	H <sub>2</sub> O	8.33	PRE-JOB SAFETY MEETING
13:05	WA	90	25	-	5.9	H <sub>2</sub> O	8.33	psi test done
13:10		140	189	-	5.9	Cmt	12.2	H <sub>2</sub> O ahead
13:45		100	25	-	5.0	Cmt	14.5	cust + spc
13:50		0	-	-	0	-	-	dead cmt
13:58	WA	60	16.7	-	6	H <sub>2</sub> O	Acid	tail cmt
13:59		90	-	-	5.9	2% CuI	-	Shut down, wash line, drop plug
14:08		420	56	-	3	-	-	Displace acid
14:08		1340	175	-	0	-	-	H <sub>2</sub> O
14:13	WA	0	0	-	0	-	-	Lower pump Rt.
14:13								Bump plug
								Release psi
								and job

ORIGINAL

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	500	2.1	35/105	70% C + 6% D 200 + 2% sl. + 1/4 # D 29	187	12.2		
2.	100	1.41	C + 1% fine box 210 + 2% D 40 + 1/4 #/sk D 29	25	14.5			
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX 1340	MIN: 0
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	Color 7
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			Duane Bell	Greg Black	