

*KCC
1/14/09*

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32787

Name: Kansas Natural Gas Operating, Inc.

Address 1: P O Box 815

Address 2: East Highway 56

City: Sublette State: KS Zip: 67877 + 0815

Contact Person: Mr. Steve Lehning

Phone: (620) 675-8185

CONTRACTOR: License # 33375 33784

Name: Trinidad Drilling, L.P.

Wellsite Geologist: Mr. Ron Osterbuhr

Purchaser: BP-Amoco

Designate Type of Completion:

- New Well Re-Entry Workover
 - Oil SWD SIOW
 - Gas ENHR SIGW
 - CM (Coal Bed Methane) Temp. Abd.
 - Dry Other _____
- (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to Enhr. Conv. to SWD

Plug Back: _____ Plug Back Total Depth _____

Commingled Docket No.: _____

Dual Completion Docket No.: _____

Other (SWD or Enhr.?) Docket No.: _____

12-8-08 12-10-08 12-22-08

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - 081-21844-0000

Spot Description: SW-NE-SW-1/4

SW NE SW 1/4 Sec. 12 Twp. 29 S. R. 33 East West

1338 Feet from North / South Line of Section

1455 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Haskell

Lease Name: F. McCoy Well #: 1-3

Field Name: Hugoton-Chase Series

Producing Formation: Chase Formation

Elevation: Ground: 2930.4' Kelly Bushing: 2936.4' KB

Total Depth: 2746' Plug Back Total Depth: 2735' KB

Amount of Surface Pipe Set and Cemented at: 856' G.L. 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 AIT I NCR 2-25-09
(Data must be collected from the Reserve Pit)

Chloride content: NA ppm Fluid volume: 127 bbls

Dewatering method used: Evaporate till dry - Backfill - Manure location

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 of 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: Steve Lehning

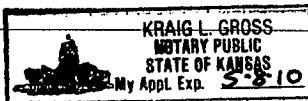
Title: Supr. Date: 1/14/09

Subscribed and sworn to before me this 14th day of January

20 09

Notary Public: Kraig L. Gross

Date Commission Expires: _____



KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

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JAN 16 2009

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: F. McCoy Well #: 1-3 **JAN 16 2009**
 Sec. 12 Twp. 29 S. R. 33 East West County: Haskell

CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	T/PERMIAN	802'	2134'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T/BLAINE	1216'	1720'
List All E. Logs Run: (Dual-Spaced Neutron)		B/STONE CORRAL	1857'	1079'
		T/HOLLENBERG	2611'	325'
		T/HERRINGTON	2646'	290'
		T/KRIDER	2676'	260'
		T/TWINFIELD	2719'	217'

CASING RECORD <input checked="" 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 Pipe	12 1/4"	8 5/8"	24#	856' G.L.	Common-Varicem	320	2% CC-1/4# Flo-Cele
Production Pipe	7 7/8"	5 1/2"	15.5#	2740' G.L.	Common-Varicem	400	3% CC-1/4# Flo-Cele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4/Per Foot	2649' - 2659' KB	Acid: 3,000 Gallons of 15% Fe-Acid and	
	2668' - 2678' KB KB=6'	100 BBL. 2% KCL	
	2690' - 2696' KB		
	2719' - 2723' KB (120 Holes)	Frac: 60,300# of 12/20 SAND AT 25 BPM	
		FOAM FRAC AND 1# - 4# PER GALLON	

TUBING RECORD:	Size: <u>2 3/8" EUE. 8 Rd.</u>	Set At: <u>2740' G.L.</u>	Packer At: <u>None</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. Pending Pipeline Connection	Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
		NA	NA	0.7578

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>2649'-2659' KB 2690'-2696' KB</u> <u>2668'-2678' KB 2719'-2723' KB</u>
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Side Two **THREE**

Ka
Mu
42469

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: F. MCCOY Well #: 1-3
Sec. 12 Twp. 29 S. R. 33 East West County: Kearny

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	RTD	2740'	196'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LTD	2735'	201'
List All E. Logs Run: (Dual-Spaced Neutron)		PBTD	2735'	201'
		REFERENCE ELEVATION	2936'	

CASING RECORD <input checked="" 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

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WICHITA, KS

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
			None	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method: <input 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 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILLING & GEOLOGICAL SUMMARY

Operator: Kansas Natural Gas Operating, Inc. License Number: 32787
 Well Name & #: F. McCoy #1-3 A.P.I. #: 15 - 081 - 21844 - 0000
 Location: 1338' F S L / 1455' F W L / SW/NE/SW Sec. 12 Twp. 29 S Rng. 33 W
 Elevation@ Ground Level: 2930' Kelly Bushing: 2936' Ref. Datum: KB Depth: 2746' PBDT: 2735'
 Drilling Spud Date: 12 - 08 - 2008 Drilling Completed Date: 12 - 11 - 2008
 Contractor: Trinidad Drilling LP Rig # 211 License Number: 33784

Surface Casing Size: 8.625" Weight: 24 # Grade: J55 Depth Set @: 862'
 Equip. & Cement: 'texas' pattern shoe, baffle plate, 3 centralizers, 1 cement basket
170 sx of lead; 150 sx of tail w/ 2% CC - 1/4# Flo-Cele.
 Circulated 40 sacks of cement to the surface. Surface Hole Deviation: 1 degrees.

Prod. Casing Size: 5.500" Weight: 15.5 # Grade: J55 Depth Set @: 2746'
 Equip. & Cement: guide shoe w/integral latch-down baffle, 10 centralizers.
250 sx of lead w/ 3% CC - 1/4# Flo-Cele; 150 sx w/ 1/4# Flo-Cele.
 Circulated 87 sacks of cement to the surface. Total Depth Hole Deviation: 1 degrees.


Open Hole Logs: not run Cased Hole Logs: G/R - DSN - CCL

Horizon	Depth (KB)	Datum	Remarks
T/PERMIAN	802	2134	
T/BLAINE	1216	1720	
B/STONE CORRAL	1857	1079	
T/HOLLENBERG	2611	325	
T/HERINGTON	2646	290	perforated 2649'-2659'
T/KRIDER	2676	260	perforated 2668'-2678', 2690'-2696'
T/WINFIELD	2719	217	perforated 2719'-2723'
T/TOWANDA			
T/FORT RILEY			
T/COUNCIL GROVE			RECEIVED KANSAS CORPORATION COMMISSION
RTD	2740	196	
LTD	2735	201	JAN 16 2009
PBDT	2735	201	
REFERENCE ELEVATION	2936		CONSERVATION DIVISION WICHITA, KS

Perforations: 2649'-2659', 2670'-2678', 2690'-2696', 2719'-2723'; (all W/4 SPF)

Acid Treatment: 3000 gallons of 15% FE-MCA, max pressure was 391#, avg pressure was 155#, max rate was 12 bpm, average rate was 8.3 bpm.

Frac. Treatment: 60,300# of 12/20 sand, 221 bbls of treated water, 290000 scf nitrogen. avg treating pressure was 1013#, avg rate was 24.7 bpm.

Name: Kurt Osterbuhr Signed:  Date: 01 - 07 - 2009

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 2695596	Quote #:	Sales Order #: 6368663
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: Lehning, Steve	
Well Name: F. McCoy	Well #: 1-3	API/UWI #: 15-081-21844	
Field: HUGOTON GAS AREA	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description: Section 12 Township 29S Range 33W			
Contractor: TRINIDAD DRILLING		Rig/Platform Name/Num: 211	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: DEETZ, DONALD	MBU ID Emp #: 389855

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEETZ, DONALD E	10.0	389855	FOURZAN, CARLOS Ivan	10.0	449384	MENDOZA, VICTOR	10.0	442596

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10010921C	30 mile	10240236	30 mile	10949718	30 mile	54029	30 mile
75819	30 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/9/08	10	4						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	08 - Dec - 2008 23:00 CST
Form Type	BHST	On Location	09 - Dec - 2008 02:00 CST
Job depth MD 849. ft	Job Depth TVD 849. ft	Job Started	09 - Dec - 2008 00:00 CST
Water Depth	Wk Ht Above Floor 3. ft	Job Completed	09 - Dec - 2008 00:00 CST
Perforation Depth (MD) From	To	Departed Loc	09 - Dec - 2008 00:00 CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Hole				12.25							
Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	Unknown		820.	820.	

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		
VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	3	EA		
BASKET-CMT-8-5/8 CSG-SLIP-ON-S	1	EA		

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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8	1	H
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float	8 5/8	1	H	807						Plug Container	8 5/8	1	H
Stage Tool										Centralizers	8 5/8	3	H

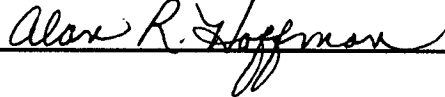
CONSERVATION DIVISION
WICHITA

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

HALLIBURTON

Cementing Job Summary

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Pre-Flush		10.00	bbl	8.33	.0	.0	6.0		
2	Lead Cement	VARICEM (TM) CEMENT (452009)	170.0	sacks	11.4	2.95	18.09	6.0	18.09	
	0.1 %	WG-17, 50 LB SK (100003623)								
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.5 lbm	POLY-E-FLAKE (101216940)								
	18.09 Gal	FRESH WATER								
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	150.0	sacks	14.8	1.34	6.32	6.0	6.32	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	6.324 Gal	FRESH WATER								
4	Displacement			bbl	8.33	.0	.0	6.0		
Calculated Values			Pressures			Volumes				
Displacement	51	Shut In: Instant		Lost Returns	0	Cement Slurry	125	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns		Actual Displacement	51	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job		
Rates										
Circulating	5	Mixing	6	Displacement	6	Avg. Job	6			
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						
										

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WICHITA, KS

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 2695596	Quote #:	Sales Order #: 6368663
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: Lehning, Steve	
Well Name: F. McCoy		Well #: 1-3	API/UWI #: 15-081-21844
Field: HUGOTON GAS AREA	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description: Section 12 Township 29S Range 33W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: TRINIDAD DRILLING		Rig/Platform Name/Num: 211	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON		Srv Supervisor: DEETZ, DONALD	MBU ID Emp #: 389855

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/08/2008 23:00							
Depart Yard Safety Meeting	12/09/2008 00:30							discused route and srops
Arrive at Location from Service Center	12/09/2008 02:00							rig was still drilling
Assessment Of Location Safety Meeting	12/09/2008 02:05							located water and were we will spot in truck
Pre-Rig Up Safety Meeting	12/09/2008 02:10							discused rig up procedures had to wait on water truck to fill water tank couldnt rig up till tanks were full
Rig-Up Completed	12/09/2008 06:15							rigged up to cat walk
Other	12/09/2008 06:16							rig blew a hydraulic line shut rig down for repairs with 5 joints to go
Circulate Well	12/09/2008 08:00							put on cement head circulated with rig
Start Job	12/09/2008 08:30							HT PUMPS WERE FROZE UP THAWED OUT AIR DRYER FOR TRAILOR FROZE UP LOST ALL AIR PRESSURE GOT IT THAWED OUT
Test Lines	12/09/2008 09:30							2000 psi
Pump Spacer 1	12/09/2008 09:32		6	10			150.0	rig water
Pump Lead Cement	12/09/2008 09:36		6	89	99		200.0	170 sks @ 11.4
Pump Tail Cement	12/09/2008 09:55		6	36	135		200.0	150 sks @ 14.8

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WICHITA, KS

Sold To # : 303233

Ship To # : 2695596

Quote # :

Sales Order # :

6368663

SUMMIT Version: 7.20.130

Tuesday, December 09, 2008 10:44:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Clean Lines	12/09/2008 10:01							to pit
Drop Plug	12/09/2008 10:08							top plug only
Pump Displacement	12/09/2008 10:09							rig water
Bump Plug	12/09/2008 10:24							BUMPED PLUG @ 300 TOOK TO 950 CHECKED FLOATS OK
End Job	12/09/2008 10:26							thanks for calling halliburton eric & crew
Pre-Rig Down Safety Meeting	12/09/2008 10:30							watch for pinch points use buddy system
Rig-Down Completed	12/09/2008 11:30							
Depart Location Safety Meeting	12/09/2008 11:45							discussed routs and stops
Depart Location for Service Center or Other Site	12/09/2008 12:00							

*CIRCULATED CEMENT
40 SACKS TO PIT*

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JAN 16 2009

CONSERVATION DIVISION
WICHITA, KS

Sold To #: 303233

Ship To #: 2695596

Quote #:

Sales Order #: 6368663

SUMMIT Version: 7.20.130

Tuesday, December 09, 2008 10:44:00

Cementing Job Summary

Long-String Cement

The Road to Excellence Starts with Safety

Sold To #: 303233		Ship To #: 2695596		Quote #:		Sales Order #: 6369330	
Customer: KANSAS NATURAL GAS OPERATING INC				Customer Rep: Lehning, Steve			
Well Name: F. McCoy			Well #: 1-3		API/UWI #: 15-081-21844		
Field: HUGOTON GAS AREA		City (SAP): SUBLETTE		County/Parish: Haskell		State: Kansas	
Legal Description: Section 12 Township 29S Range 33W							
Contractor: TRINIDAD DRILLING				Rig/Platform Name/Num: 211			
Job Purpose: Cement Production Casing							
Well Type: Development Well				Job Type: Cement Production Casing			
Sales Person: HESTON, MYRON			Srvc Supervisor: GRAVES, JEREMY		MBU ID Emp #: 399155		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	6	267804	GRAVES, JEREMY L	6.5	399155	MIGUEL, GREGORIO Pedro	6	442124
PARUZINSKI, JOHN Harrison	6.5	441380						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10219237	30 mile	10243558	30 mile	10415642	30 mile	10866807	30 mile
10897801	30 mile	75821	30 mile	D0601	30 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name			Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom	Called Out	10 - Dec - 2008	21:00 CST
Form Type	BHST		On Location	10 - Dec - 2008	23:30 CST
Job depth MD	2750. ft	Job Depth TVD	Job Started	11 - Dec - 2008	04:00 CST
Water Depth		Wk Ht Above Floor	Job Completed	11 - Dec - 2008	04:45 CST
Perforation Depth (MD)	From	To	Departed Loc	11 - Dec - 2008	06:00 CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Hole				7.875				820.	2750.		
Production Casing	New		5.5	5.012	15.5	8 RD (LT&C)	J-55	.	2750.		
Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	Unknown	.	820.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE, GID, 5-1/2 8RD	1	EA		
PLUG ASSY, 3 WIPR LTH-DWN, 5 1/2 CSG	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		
CENTRALIZER ASSY - TURBO - API -	10	EA		
KIT, HALL WELD-A	1	EA		

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CONSERVATION DIVISION
WICHITA, KS

HALLIBURTON

Cementing Job Summary

Tools and Accessories															
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make		
Guide Shoe	5 1/2	1	HES	2750	Packer					Top Plug	5 1/2	1	HES		
Float Shoe					Bridge Plug					Bottom Plug					
Float Collar					Retainer					SSR plug set					
Insert Float	5 1/2	1	HES	2750						Plug Container	5 1/2	1	HES		
Stage Tool										Centralizers	5 1/2	10	HES		
Miscellaneous Materials															
Gelling Agt			Conc		Surfactant			Conc		Acid Type		Qty		Conc	%
Treatment Fld			Conc		Inhibitor			Conc		Sand Type		Size		Qty	
Fluid Data															
Stage/Plug #: 1															
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Water Pre-Flush				0.00	bbl	8.33	.0	.0	6.0					
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)			10.00	bbl	8.4	.0	.0	6.0					
3	Lead Cement	VARICEM (TM) CEMENT (452009)			250.0	sacks	11.4	2.89	17.8	6.0	17.8				
	0.25 lbm	POLY-E-FLAKE (101216940)													
	0.1 %	WG-17, 50 LB SK (100003623)													
	17.804 Gal	FRESH WATER													
4	Tail Cement	HALCEM (TM) SYSTEM (452986)			150.0	sacks	14.8	1.33	6.25	6.0	6.25				
	0.5 %	HALAD(R)-322, 50 LB (100003646)													
	0.25 lbm	POLY-E-FLAKE (101216940)													
	6.245 Gal	FRESH WATER													
5	Displacement				65.00	bbl	8.33	.0	.0	6.0					
Calculated Values				Pressures				Volumes							
Displacement	65	Shut In: Instant				Lost Returns	0	Cement Slurry	165	Pad					
Top Of Cement	SURFACE	5 Min				Cement Returns	45	Actual Displacement	65	Treatment					
Frac Gradient		15 Min				Spacers	10	Load and Breakdown		Total Job	240				
Rates															
Circulating	6	Mixing		6		Displacement	6	Avg. Job		6					
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint											
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID								
The Information Stated Herein Is Correct					Customer Representative Signature <i>F. McCoy #1-3</i> <i>Steve Lehning (Long Stains Cement)</i>										

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CONSERVATION DIVISION
WICHITA, KS

HALLIBURTON

Cementing Job Log

CEMENT LONG STRING

The Road to Excellence Starts with Safety

Sold To #: 303233	Ship To #: 2695596	Quote #:	Sales Order #: 6369330
Customer: KANSAS NATURAL GAS OPERATING INC		Customer Rep: Lehning, Steve	
Well Name: F. McCoy	Well #: 1-3	API/UWI #: 15-081-21844	
Field: HUGOTON GAS AREA	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description: Section 12 Township 29S Range 33W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: TRINIDAD DRILLING	Rig/Platform Name/Num: 211		
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/10/2008 21:00							PRETRIP TRUCKS
Pre-Convoy Safety Meeting	12/10/2008 22:00							JOURNEY MANAGEMENT AND SPOT AUDIT
Arrive at Location from Service Center	12/10/2008 23:30							TALK WITH COMPANY MAN ABOUT JOB PROCEDURES AND CALCULATIONS
Assessment Of Location Safety Meeting	12/10/2008 23:40							
Rig-Up Equipment	12/11/2008 00:00							SPOT TRUCKS AND RIG UP PUMPING LINES
Running In Hole	12/11/2008 00:15							5 1/2 15.5# CASING
Casing on Bottom	12/11/2008 03:00							RIG UP CEMENT HEAD AND CIRC FOR 30MIN
Pre-Job Safety Meeting	12/11/2008 03:45							GIVEN BY JOHN PARUZINSKI
Start Job	12/11/2008 03:51						15.0	
Test Lines	12/11/2008 03:53						2000.0	TEST LINES TO 2000PSI
Pump Spacer 1	12/11/2008 03:56		6	10	10		174.0	10BBLs MUD FLUSH
Pump Lead Cement	12/11/2008 03:58		6	129			170.0	250SKS MIXED 11.4#
Pump Tail Cement	12/11/2008 04:16		6	36	165		160.0	150SKS MIXED 14.8#
Drop Plug	12/11/2008 04:19						2.0	HES TOP PLUG
Clean Lines	12/11/2008 04:21						102.0	CLEAN LINES TO PIT

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WICHITA KS

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Quote #:

Sales Order #:

6369330

SUMMIT Version: 7.20.130

Thursday, December 11, 2008 04:51:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	12/11/2008 04:27		6	55			18.0	65 BBLS FRESH WATER FIRST 10 BBLS 20# OF SUGAR ADDED GOT CEMENT RETURNS 20BBLS INTO DISPLACEMENT 45BBLS OF CEMENT TO THE PIT OR 87SKS
Check Floats	12/11/2008 04:34							FLOATS HELD GOT BACK 1/2 BBL
Slow Rate	12/11/2008 04:36		2	10	65		651.0	SLOW RATE LAST 10BBLS TO 2BBLS PER MIN
Bump Plug	12/11/2008 04:42						721.0	BUMP PLUG AT 700PSI
End Job	12/11/2008 04:45						5.0	THANKS FOR CALLING HALLIBURTON
Pre-Rig Down Safety Meeting	12/11/2008 04:50							GIVEN BY JOHN PARUZINSKI
Rig-Down Equipment	12/11/2008 05:00							PUMPING LINES AND BLOW DOWN TRUCK
Depart Location for Service Center or Other Site	12/11/2008 06:00							JOURNEY MANAGEMENT

Long-String Cement
 CEMENT CIRCULATED TO PIT
 87 SACKS

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