

ORIGINAL

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

Operator: License # 31269

Name: Belco Energy Corporation

Address 8908 S. Yale, Suite 340

City/State/Zip Tulsa, OK 74137-3522

Purchaser: Aurora Natural Gas

Operator Contact Person: Roger Northcutt

Phone (316) 598-2363

Contractor: Name: Cheyenne Drilling, Inc.

License: 5382

Wellsite Geologist: Curtis Covey

Designate Type of Completion

New Well Re-Entry Workover

Oil SMD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SMD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SMD or Inj?) Docket No. _____

5-15-99 5-17-99 6-15-99
Spud Date Date Reached TD Completion Date

API NO. 15- 129-215850000

County Morton

W/2 NW Sec. 6 Twp. 32S Rge. 40 E

4030 Feet from (S)N (circle one) Line of Section

1815 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 MOSS Well # 3

Field Name Kinsler

Producing Formation Chase

Elevation: Ground 3339 KB 3345

Total Depth 2800 PBTB 2724

Amount of Surface Pipe Set and Cemented at 630 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 cnt.

Drilling Fluid Management Plan A.H. 1 7-7-99 UC
(Data must be collected from the Reserve Pft)

Chloride content 5000 ppm Fluid volume 125 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, 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 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 Patricia Asher

Title Regulatory Administrator Date 6-30-99

Subscribed and sworn to before me this 30th day of June, 19 99.

Notary Public Patricia Asher

Date Commission Expires August 14, 2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SMD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

Operator Name Belco Energy Corporation Lease Name Moss Well # 3
 Sec. 6 Twp. 32S Rge. 40W East County Morton
 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:

Geologic, micro resistivity,
 compensated neutron/compensated
 photo density, array induction

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Hollenburg LS	2148	+1197
Herrington LS	2177	+1168
Council Grove GP	2538	+ 807
Neva LS	2685	+ 660

CASING RECORD

New 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#	630	PP Lt, PP	350	2% Calc, 1/4 Flocele
prod casing	7 7/8"	5 1/2"	15.5#	2770	PP Lt, PP	260	1/4# Flocele
					50/50 Poz		

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2724-2800	PP, 50/50 Poz	5	1/4# Flocele, .75% CFR 3, 10% salt

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	2204 - 2224	Acid: w/3000 gal of 7 1/2	2204-24
4	2248 - 2269	HCL FE acid w/ball sealers	2248-69
4	2348 - 2250	Frac: 25,000 gal delta frac	2348-50
		sand 12/20 472 sx	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	2246		

Date of First, Resumed Production, SMD or Inj. waiting on compressor Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	75	28		

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) _____

JOB LOG 4330-8

TICKET # _____ NO. 099
 TICKET P. 8/18
 5-15-99
 BDA / STATE **KS** COUNTY _____
 PSL DEPARTMENT _____
 CUSTOMER REP / PHONE _____
 API / UWI # _____
 JOB PURPOSE CODE **010**

REGION **North America**
 NWA/COUNTRY _____
 MBU ID / EMP # **10110** EMPLOYEE NAME _____
 LOCATION **LIBERAL KS** COMPANY _____
 TICKET AMOUNT _____ WELL TYPE **02** API / UWI # _____
 WELL LOCATION _____ DEPARTMENT _____ JOB PURPOSE CODE _____
 LEASE / WELL # _____ SEC / TWP / RNG **6-32.5-90W**

ORIGINAL

HEB EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HEB EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HEB EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HEB EMP NAME/EMP#(EXPOSURE HOURS)	HRS
J.W.	5	45 min					
	5	45 min					
R.	5	45 min					

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	T ₂	C ₂	
	1500							JOB READY
	1700							CALLED OUT FOR JOB
	1445							PUMP TRUCK: BULK CEMENT ON LOCATION
	1445							HAVE PRE JOB SITE ASSESSMENT MEETING
	1445							SPOT EQUIPMENT, RIG UP - RIG STILL DRILLING
	1530							RIG THROUGH DRILLING - ON BOTTOM CIRCULATING
	1530							LAY DOWN DRILL PIPE
	1830							START RUNNING 8 1/2 CSD P/T EQUIPMENT
	1830							CASING ON BOTTOM - HOSE UP 5 1/2" P/T +
	1830							CIRCULATING IRON
	1845							START CIRCULATING WITH RIG PUMP
	1855							HOLD SAFETY + SO B PROBABLE BLEEDING
	1855							THROUGH CIRCULATING - HOSE UP TO PUMP TRUCK
								JOB PROCEEDS
	1905					4300		PRESSURE UP PUMPS + LINES
	1902	5.0				180		ADJ 5 GAL FRESH WATER ADDED
	1903	6.0				150		START MIXING 200 SEC LEAD GAT AT 12.3 GPM
	1920	6.0				100		START MIXING 150 SEC TAIL GAT AT 14.8 GPM
	1925	5.0				0		THROUGH MIXING CEMENT - SHUT DOWN
	1930	37.5				220/75		RELEASE PLUG - START DISPLACING
	1930	37.5				220/75		WAVE CMT RETURNS TO SURFACE
	1930	37.5				220/75		PLUG DOWN RELEASE FLOAT
	1930	37.5				220/75		FLOW HOLD
	1930	37.5				220/75		CIRCULATED (37 BBL) TO SURFACE (100 SEC)

RECEIVED
 STATE CORPORATION COMMISSION
 7 HUNT YORK FOR CALLED HALLIBURTON
 III - 6 1999
 CONSERVATION DIVISION
 Wichita, Kansas
Woody / CRTV

MID-CONTINENT NWA CEMENTING CALL FOR SALES & SERVICE
 MAKE SAFETY A CORE VALUE IN YOUR LIFE!
 PLEASE WORK & DRIVE SAFELY!

ORIGINAL HALLIBURTON

COMPANY Belco Energy Corp.	OWNER Belco Oil & Gas	DATE 5/13/99
BILLING ADDRESS P.O. Box 864, Johnson, KS 67855		
CONTRACTOR Cheyenne Drilling Rig 8	API	SEC, TWN, RNG SEC 6-32S-40W
LEASE Moss	WELL NO. 3	COUNTY/STATE Morton, KS RT MILEAGE 120
DIRECTIONS Hugoton, West on Depot Road (First Street) to intersection HWY 51, 7 North on HWY 51 to curve, 4 West on HWY 51 to Road 19, 3 North on Road 19, 5/8 East on Road V, South into		

S/O - 67774 KB - 67783

SURFACE YES	INTER	LONG STRING	LINER	PLUG BACK	PTA		
SQUEEZE	WHIPSTOCK	OTHER					
CASING SIZE 8 5/8	WEIGHT 24	THREAD	PLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG ALUM	BOTTOM PLUG
TBG/DP SIZE	WEIGHT	THREAD	TD 700	% EXCESS 80	MUD WT 8.9	HOLE SIZE 12 1/4	

NUMBER AND TYPE TRUCKS WANTED **RCM, Bulk Cement**

REMARKS **Willson to deliver float equipment pm 5/15/99**

# OF SACKS 200	TYPE HLC PP	ADDITIVES 2% CaCl2, 1/4 pps Flocele @ 12.3 ppg, 2.05 cf/sk
# OF SACKS 100	TYPE Prem. Plus	ADDITIVES 2% CaCl2, 1/4 pps Flocele @ 14.8 ppg, 1.32 cf/sk
# OF SACKS	TYPE	ADDITIVES
# OF SACKS	TYPE	ADDITIVES Standard QC ZI Guidelines
# OF SACKS	TYPE	ADDITIVES Displace top plug @ 5-7 bpm
# OF SACKS	TYPE	ADDITIVES

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 STATE CORPORATION COMMISSION

JUL - 6 1999

SPACER TYPE	QUANTITY	REMARKS
SPACER TYPE	QUANTITY	REMARKS
KCL	CLAYPIX II	LO-SURF CONSERVATION DIVISION Wichita, Kansas
CASING SIZE 8 5/8	CASING WEIGHT 24#	THREAD
GUIDE SHOE REGULAR	LATCH DOWN PLUG & BAFFLE	
INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR
CENTRALIZER-QTY 4 EA 806.61048	SIZE 8 5/8 X 12 1/4	INSERT FLOAT 1 EA 815.19502
WALL CLEANERS-QTY	TYPE	DV TOOL
DV PLUG SET		
LIMIT CLAMPS 1 EA 806.72750	WELD-A 1 EA 890.10802	CMT BASKET
OTHER 1 EA 815.19415		

REMARKS **1 centralizer on limit clamp 5' off bottom, centralizer every other collar off bottom**

ORDERED BY: Roger Northcutt M 316-492-3601 Office 316-598-2363	TIME OF CALL: 1000
CALL TAKEN BY: DON	TIME READY: ON LOC 1800 4/15/99
CREW CALLED: WOODY - MCINTYRE - BULK	TIME:

JOB SUMMARY

ORDER NO. 70008

TICKET # **68088** NO. 099
 DATE **5-17-99**
 BDA / STATE **KS.** COUNTY **Morton.**
 PEL DEPARTMENT **ZI**
 CUSTOMER REP / PHONE **KOBER NORTH CUM**
 APT / UWI #
 JOB PURPOSE CODE **035**

ORIGINAL

REGION **North America** NW/COUNTRY **USA**
 MBU ID / EMP # **106304** EMPLOYEE NAME **TYCE NOVIS**
 LOCATION **Liberal** COMPANY **Beico**
 TICKET AMOUNT WELL TYPE **02**
 WELL LOCATION **Land. W.N.W R0119.** DEPARTMENT **ZI**
 LEASE / WELL # **MASS #3** SEC / TWP / RANG **6-32-40**

HES EMP NAME/EMP#(EXPOSURE HOURS) (HRS)	HES EMP NAME/EMP#(EXPOSURE HOURS) (HRS)	HES EMP NAME/EMP#(EXPOSURE HOURS) (HRS)	HES EMP NAME/EMP#(EXPOSURE HOURS) (HRS)
T. NOVIS 106304 5			
S. ENYI 106099 2			
M. FRANKLIN 106154 2			
J. GUNDE 5			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218-78202	120						
54029-6610	60						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar SSB 5 1/2	1	H
Float Shoe		
Guide Shoe REG 1"	1	0
Centralizers SH 12"	12	
Bottom Plug		W
Top Plug SW 1"	1	
Head P.C.	1	6
Packer		
Other Clamp 1"	1	0

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Frc. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	5-17-99	5-17-99	5-17-99	5-18-99
TIME	1700	2000	2300	030

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N.	15.5	5 1/2	KS	2766	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CONT
				5 1/2
				6.5
TOTAL		TOTAL		

RECEIVED
 STATE CORPORATION COMMISSION
 JUN - 6 1999
 GENERAL INVESTIGATION DIVISION
 Tulsa, Kansas

HYDRAULIC HORSEPOWER
 ORDERED Avail. Used
TREATED AVERAGE RATES IN RPM Disp. Overall
 FEET **45** CEMENT LEFT IN PIPE Reason **5.0**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/G
1	150	P+L+	0	1/4" FIOGEL	2.06	12.
1	150	P+596PCE	0	2% Gel. - 75% GF13, 1/4" FIOGEL, 10% S917	1.38	14.

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	Type
Average	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut in: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
	5 Min	Cement Slurr	Gal - BBI	37.6
	15 Min	Total Volume	Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE **Logan Northcutt**

JOB LOG

ORDER NO. 70008

TICKET # **61088** NO. 099
 DATE **5-11-99**

REGION North America	NWA/COUNTRY USA	DDA / STATE KS.	COUNTY MORTON.
WELL ID / EMP #	EMPLOYEE NAME	PEL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE 035	
LEASE / WELL #	SEC / TWP / RNG		

ORIGINAL

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	TBR	CSG	
	1700							Called out for job.
	1940							ON LOC KIT LOGGING
	1945							THRU LOGGING WAIT ON LOGGING
	2015							CSH ON LOC
	2050							START 5 1/2 CSH 6 F.E
	2230							CSH ON BOTH HOOK UP 5 1/2 P.C. 5 CSH I.P.A.
	2237							WIK CIL WITH
	2247							CITE TO PIT
	2301							THRU CITE HOOK UP ON TO P.I.T.
	2303				✓			2200 PSI TEST LYON.
	2310	6.5	42		✓			260 PUMP 1155x P+LT WT 12.3" 1901
	2316	6.5	37		✓			180 PUMP 150x P+50/50 WT 14.0" 1901
	2323	0	79		✓			0 SHUT DOWN PROP FLUG & WASH UP
	2326	8.0	65		✓			120 PUMP VISIT
	2330	8.0	65		✓			120 30 bbls in lift cont
	2334	2.0	65					480 55 bbls in 510 rate.
	2338	2.0	65					600 Flood and plug
	2339	0	65					1600 KPIRGE KIRGE - HELD.
	0400		65					job over

THANKS FOR CALLING HES.

TYLER SCOTT & CREW

RECEIVED
 STATE CORPORATION COMMISSION

MAY 26 1999

CONSERVATION DIVISION
 Wichita Kansas

MID-CONTINENT NWA CEMENTING CALL FOR SALES & SERVICE
 MAKE SAFETY A CORE VALUE IN YOUR LIFE!
 PLEASE WORK & DRIVE SAFELY!

ORIGINAL  HALLIBURTON

COMPANY Belco Energy Corp.	OWNER Belco Oil & Gas	DATE 5/17/99
BILLING ADDRESS P.O. Box 864, Johnson, KS 67855		
CONTRACTOR Cheyenne Drilling Rig 8	API	SEC, TWN, RNG 6-32S-40W
LEASE Moss	WELL NO. 3	COUNTY/ STATE Morton, KS
DIRECTIONS Hugoton, West on Depot Road (First Street) to intersection HWY 51, 7 North on HWY 51 to curve, 4 West on HWY 51 to Road 19, 3 North on Road 19, 5/8 East on Road V, South into		

50-18022 KB-68220

SURFACE	INTER	LONG STRING YES	LINER	PLUG BACK	PTA		
SQUEEZE	WHPSTOCK	OTHER					
CASING SIZE 5 1/2"	WEIGHT 15.5 #	THREAD	PLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG ALUM	BOTTOM PLUG
TBG/ DP SIZE	WEIGHT	THREAD	TD 2800'	% EXCESS 35	MUD WT 8.9	HOLE SIZE 7 7/8"	

NUMBER AND TYPE TRUCKS WANTED **RCM, Bulk Cement**

REMARKS **FLOAT EQUIPMENT ON LOCATION**

# OF SACKS 115	TYPE HLC Pr Plus	ADDITIVES 1/4 pps Flocele @ 12.3 ppg, 2.02 cf/sk
# OF SACKS 150	TYPE 50/50 Poz/Prem Plus	ADDITIVES 2% Total Gel, 0.75% CFR-3, 1/4 pps Flocele, 10% Salt @ 14.0 ppg, 1.38 cf/sk, 6.40 gal/sk H2O
# OF SACKS	TYPE	ADDITIVES
# OF SACKS	TYPE	ADDITIVES Standard QC ZI Guidelines
# OF SACKS	TYPE	ADDITIVES
# OF SACKS	TYPE	ADDITIVES

SPACER TYPE	QUANTITY	REMARKS	RECEIVED STATE CORPORATION COMMISSION	
SPACER TYPE	QUANTITY	REMARKS	JUL - 6 1999	
KCL	CLAYFIX II 6 Gal (2gpt displacement)	LO-SURF	CONSERVATION DIVISION Wichita, Kansas	CLASTA-XP
CASING SIZE 5.5"	CASING WEIGHT 15.5#	THREAD	GUIDE SHOE 1 EA 825.205	LATCH DOWN PLUG & BAFFLE
INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR 1 EA 836.07100	INSERT FLOAT	
CENTRALIZER-QTY 12 EA 806.60022	SIZE 5.5" X 7.875"	TYPE S-4		
WALL CLEANERS-QTY	TYPE	DV TOOL	DV PLUG SET	
LIMIT CLAMPS 1 EA 806.72730	WELD-A 1 EA 890.10802	CMT BASKET	OTHER	

REMARKS **See Roger for placement of centralizers on casing**

ORDERED BY: Roger Northcutt M 316-492-3601 Office 316-598-2363	TIME OF CALL: 0730
CALL TAKEN BY: DON	TIME READY: ON LOC 2000 4/17/99
CREW CALLED: DAVIS - ENGEL - BUNDA - BULK	TIME: