

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

Purchasers: 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 STGW
 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. _____
5-18-99 5-21-99 6-22-99
Spud Date Date Reached TD Completion Date

API No. 15- 129-215880000
County Morton
SW NE NE Sec. 7 Twp. 32S Rge. 40 ^E/_{XX} W

4030 Feet from (S)N (circle one) Line of Section
1250 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 Dunn Well # 3

Field Name Kinsler
Producing Formation Chase

Elevation: Ground 3322 KB 3328
Total Depth 2810 PBTB 2762

Amount of Surface Pipe Set and Cemented at 638 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 AH-1, 7-7-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 200 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 Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Belco Energy Corporation Lease Name Dunn Well # 3

Sec. 7 Twp. 32S Rge. 40 East West County Morton

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 (Submit Copy.) Yes No
List All E.Logs Run:
Array Induction, Geologic,
Compensated Neutron/Compensated
Photo Density, Micro Density

Name	Top	Datum
Hollenburg LS	2148	+1180
Herington LS	2184	+1144
Council Grove GP	2539	+ 789
Neva LS	2683	+ 645

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#	638'	HLCPP, PP	250	2% CACL 1/4 Flocele
Prod Casing	7 7/8"	5 1/2"	15.5#	2808'	PP Lt 50/50 PP Poxmix	265	1/4 Flocele 2% Gel .75 CFR 3 10% salt

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	2762-2808	50/50 PP PoZ	6	2 % Gel, .75% CFR 3, 1/4 Flocele
<input checked="" type="checkbox"/> Plug Back TD				10% salt
<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	
4	2196 - 2198	Acid: 30 BBL of 7 1/2	2196-98
4	2208 - 2222	HCL Fe Acid, did not ball off	2208-22
		Frac: 17-91 gal-70q N2 Foam	2196-98
		38600 #'s 12/20 sand	2208-22

TUBING RECORD Size 2 3/8" Set At 2177 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. _____ Producing Method pumping water flowing gas Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	65	25		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____



MAY 25 1999 12:43PM

HALLIBURTON

JOB SUN

RY

ORDER NO. 70006

NO. 099 P. 13/18

TICKET #

69078

TICKET DATE

5-18-99

REGION North America

NWA/COUNTRY Central

BOA/STATE Kansas

COUNTY Morton

MRUID/EMP# CPA 0109 106250

EMPLOYEE NAME David Barton

PSL DEPARTMENT 500 ORIGINAL

LOCATION Pampa

COMPANY Baker Oil & Gas

CUSTOMER REP / PHONE Roger Neeshout 492-3601

TICKET AMOUNT 5044.53

WELL TYPE 02

API / GW # 129-215880000

WELL LOCATION North of Kalla

DEPARTMENT 21

JOB PURPOSE CODE 010-8%

LEASE / WELL # Dunn 3-7

SEG / TWP / RANG 7-32-40

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
Barton 106250	3						
Deby 106007	3						
Humphries 106085	3						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421327	300						
53777-78334	300						

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 <i>Instant</i>	1	<i>Howco</i>
Float Shoe <i>Fill</i>	1	"
Guide Shoe	1	"
Centralizers	4	"
Bottom Plug		
Top Plug	1	"
Head	1	"
Packer <i>4 1/2" G&P</i>	1	"
Other <i>WELD - R</i>	1	"

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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-18-99	12:00	5-18-99	16:00	5-18-99	17:45
					18:30

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing		23	8 5/8	LB	638	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	LB	638	SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
5-18		5-18		8 5/8 Sand.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET 45.14	CEMENT LEFT IN PIPE	Reason
		S.S.

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	150	11/2" H&P	8	27.00 74 1/2 Floe	2.05	12.3
1	100	11"	8	27.00 "	1.34	14.8

Circulating Breakdown	Displacement Maximum	Frac Gradient	5 Min	15 Min	Preflush:	Gal - BBL	Load & Bkdn:	Gal - BBL	Treatment	Gal - BBL	Cement Slurr	Gal - BBL	Total Volume	Gal - BBL	Type	Pad: BBL - Gal	Disp: BBL - Gal
																	27.7

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE *Roger Neeshout*

REGION North America	JOB LOC CENTRAL	TICKET #	ORIGINAL
MBU ID / EMP # 09A0109 10	EMPLOYEE NAME David Brown	PSL DEPARTMENT 5001	
LOCATION Pampa	COMPANY Belec O&G	CUSTOMER REP / PHONE Roger Northwest 492-3601	
TICKET AMOUNT 5044.53	WELL TYPE 02	API / UWI # 129-215880000	
WELL LOCATION N - Rolln	DEPARTMENT 71	JOB PURPOSE CODE 010-856	
LEASE / WELL # Dunn 3-7	SEC / TWP / RANG 7-32-40		

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
Brown 106250 3			
DSB 106007 3			
Humphreys 106085 3			

CHART NO.	TIME	RATE (BPM)	VOLUME (BRL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1200							Call
	1600							On loc.
								Start casing
								Set Head & Circ ✓ 1740
		4	55			150		150 LITE 1740
		4	24			11		100 TAIL
	1805							Drop Plug
	1807	4.5	37			200		Displace
	1822							Plug Down Float Holding

Thanks for Calling
 Halliburton

RECEIVED
 STATE CORPORATION COMMISSION
 JUL - 6 1999
 CONSERVATION DIVISION
 Wichita, Kansas



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

COMPANY Belco Energy Corp.	OWNER Belco Oil & Gas	DATE 5/17/99
BILLING ADDRESS P.O. Box 864, Johnson, KS 67835		
CONTRACTOR Cheyenne Drilling Rig 8	APT	SEC, TWN, RNG
LEASE Dunn	WELL NO 3-7	COUNTY/STATE Morton, KS
DIRECTIONS Hugoton, West on Daput Road (First Street) to intersection HWY 51, 7 North on HWY 51 to curve, 4 West on HWY 51 to Road 19, 2 North on Road 19, 1 East on Road V, 1/2 South, West into		

SURFACE YES	INTER.	LONG STRING	LINER	PLUG BACK	FTA
SQUEEZE	WHIPSTOCK	OTHER			
CASING SIZE 8 5/8	WEIGHT 24	THREAD	ELLIP CONT YES	SWAGE YES	CBSWIVEL
TBG/DF SIZE	WEIGHT	THREAD	TD 640	% EXCESS 80	MUD WT 8.9
					TOP PLUG ALUM
					BOTTOM PLCG
					HOLE SIZE 12 1/4

NUMBER AND TYPE TRUCKS WANTED **PUMP - PAMPA BULK - HUGOTON**

REMARKS

# OF SACKS 150	TYPE HLC PP	ADDITIVES 2% CaCl2, 1/4 pps Flocele @ 12.3 ppg, 2.05 cf/sk
# OF SACKS 100	TYPE Preml 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

RECEIVED
 STATE CORPORATION COMMISSION

JUL 6 1999

SPACER TYPE	QUANTITY	REMARKS
SPACER TYPE	QUANTITY	REMARKS
KCL	CLAYFIX II	LO-SURF

CONSERVATION DIVISION
 Wichita, Kansas

CASING SIZE 8 5/8	CASING WEIGHT 24#	THREAD	GUIDE SHOE REGULAR	LATCH DOWN PLUG & BATTLE
INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR	INSERT FLOAT 1 EA 815.19502	
CENTRALIZER-QTY 4 EA 806.61048	SIZE 8 5/8 X 12 1/4		TYPE	
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/fillup	

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

ORDERED BY: Roger Northcutt M 316-492-3601 Office 316-498-2363	TIME OF CALL: 1000
CALL TAKEN BY: DON	TIME READY: ON LOC 1530 5/18/99
CREW CALLED: BARROW - OSBY - HUGOTON BULK	TIME:

JOB SUMMARY

ORDER NO. 70006

TICKET # **70525** NO. 099 P. 16/18
 TICKET DATE **5-20-99**
 REGION **North America** NWA/LRY **USA**
 SDA / STATE **KJ.** COUNTY **MOLTON**
 P&L DEPARTMENT **ZF**
 CUSTOMER REP / PHONE **201-741-1111**
 AP / UWI #
 WELL LOCATION **Long N.W. K0114**
 DEPARTMENT **ZF** JOB PURPOSE CODE **035**

ORIGINAL

MBU ID / EMP # **106304** EMPLOYEE NAME **TYL DAVIS**
 LOCATION **East Liberty** COMPANY **Belsco**
 WELL TYPE **n2**
 LEASE / WELL # **3-7** SEC / TWP / RNG

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. DAVIS 106304	4						
S. ELLIOTT 106099	4						
D. EWIS	4						

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						
51947-6612	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 5 7/8	1	H
Float Shoe		
Guide Shoe 2 7/8	1	O
Centralizers SH	12	
Bottom Plug 5 7/8	1	W
Top Plug 5 7/8	1	
Head P.C.	1	O
Packer		
Other clamp	1	O

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
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		

DATE	CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-20-99	1430	5-20-99	2030	2130

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N.	15.5	5 7/8	K0	2809	
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	
				C.M.F. 3 1/2 L.S.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

FEET **45** **CEMENT LEFT IN PIPE** Reason **J.J.**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	115	P+L+T	B	1/4" # FLOCEP	206	13.3
1	150	50/50 Pfron	B	2 1/2" SRI, .75% C.F. 3, 1/4" # FLOCEP, 1070 JOLIF	1138	14.0

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	Type
Average	Maximum	Load & Bkdn:	Gal - BBI	Rad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: (BBI) Gal 66
	3 Min	Cement Slurr	Gal (BBI) 42 L.C.	
	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 *Roger Northcott*

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



COMPANY Belco Energy Corp.	OWNER Belco Oil & Gas	DATE 5/20/99
BILLING ADDRESS P.O. Box 864, Johnson, KS 67855		
CONTRACTOR Cheyenne Drilling Rig 9	API	SEC, TWN, RNG
LEASE Dunn	WELL NO. 3-7	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, 2 North on Road 19, 1 East on Road V, 1/2 South West into		

S/O - 70625		KB - 70626					
SURFACE	INTER.	LONG STRING YES	LINER	PLUG BACK	FTA		
SQUEEZE	WHIPSTOCK	OTHER					
CASING SIZE 5 1/2"	WEIGHT 15.5 #	THREAD	FLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG ALUM	BOTTOM PLUG
TBG / DP SIZE	WEIGHT	THREAD	TD 3500'	% EXCESS 35	MUD WT 8.9	HOLE SIZE 7 7/8"	

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

REMARKS **PICKUP 7" PLUG CONTAINER AND MANIFOLD OFF BONNEVILLE FUELS 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	CONSERVATION DIVISION Wichita, Kansas	
SPACER TYPE	QUANTITY	REMARKS		
KCL	CLAYFIX II 6 Gal (2gpt displacement)	LO-SURF	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: 1300
CALL TAKEN BY: LARRY/DON	TIME READY: ON LOC 1830 5/20/99
CREW CALLED: DAVIS - ENGEL - BULK	TIME: