

ORIGINAL

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

Operator: License # 32340Name: Bluegrass Energy, Inc.Address 5727 S. Lewis, Suite 700City/State/Zip Tulsa, OK 74105Purchaser: Bradshaw GasOperator Contact Person: Mark RepaskyPhone (918) 743-8060Contractor: Name: Cheyenne Drilling

License: _____

Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SUD ☐ SLOW ☐ 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/SUD
☐ Plug Back ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SUD or Inj?) ☐ Docket No. _____

2/24/2000 2/26/2000 3/15/2000
 Spud Date Date Reached TD Completion Date

API NO. 15- 071-20716-0100County GreeleyC-SW Sec. 25 Twp. 18S Rge. 40 X E1320 Feet from Q/N (circle one) Line of Section1320 Feet from E/Q (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Pringle Well # A-2Field Name BradshawProducing Formation L. WinfieldElevation: Ground 3549' KB 3555'Total Depth 3005' PBTD 2954'Amount of Surface Pipe Set and Cemented at 310 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from TDfeet depth to surface w/ 435 sx cmt.Drilling Fluid Management Plan A/H-2, 5-10-00 UR
(Data must be collected from the Reserve Pft)Chloride content 7000 ppm Fluid volume 6000 bblsDewatering 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 Shirley WallaceTitle President Date 4/11/00Subscribed and sworn to before me this 11th day of April, 19 2000Notary Public Kim M. MillerDate Commission Expires 9/11/2000

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
 C ☒ Wireline Log Received
 C ☐ Geologist Report Received

Distribution

☐ KCC ☐ SUD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
 (Specify)

32417

SIDE TWO

Operator Name Bluegrass Energy, Inc. Lease Name Pringle Well # A-2

Sec. 25 Twp. 18S Rge. 40
☐ East
☒ West

County Greeley

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:

Dual Induction
Comp Density - Comp Neutron

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Krider SD.	2806'	+749'
U. Winfield SD.	2844'	+711'
L. Winfield SD.	2866'	+689'
U. Fort Riley SD.	2916'	+639'
L. Fort Riley SD.	2944'	+611'

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CASING RECORD ☒ New ☐ Used								CONSERVATION DIVISION Wichita, Kansas	
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 5/8"	23#	310'	Class C	135	2% CC, 1/4"	flocc	
Production	7 7/8"	4 1/2"	10.5#	2,999'	40/50 POZ	435	2% gel, 5% Ca	real	

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 (Amount and Kind of Material Used)	Depth
1 SPF	2883', 2888'-2890'	500 gals 15% HCL	2883-2890'
		6500 gals 25# gel	
		w/12,000# 16/30 sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes ☒ No		
		2 3/8"	2920	N/A				
Date of First, Resumed Production, SUD or Inj. 3/15/2000			Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		0	391			0		

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

Production Interval ☐ Other (Specify) _____

Schlumberger

Cementing Service Report

Dowell				Customer				CHEYENNE DRILLING				Job Number 20146279			
Well PRINGLE A 2				Location (legal) 25, 18S, 40W				Dowell Location Ulysses, KS				Job Start 02/24/2000			
Field BRADSHAW				Formation Name/Type Surface				Deviation 0 °		Bit Size 12.3 in		Well MD 310 ft		Well TVD 310 ft	
County Greeley				State/Province KS				BHP 0 psi		BHST 70 °F		BHCT 65 °F		Pore Press. Gradient 0 psi/ft	
Rig Name Cheyenne Drilling 8		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft 304		Size, in 8.63		Weight, lb/ft 24		Grade		Thread	
Drilling Fluid Type Bentonite		Max. Density 9.5 lb/gal		Plastic Viscosity 28 cp		Tubing/Drill Pipe									
Service Line Cementing		Job Type Cem Surface Casing				Depth, ft 0		Size, in 0		Weight, lb/ft 0		Grade		Thread	
Max. Allowed Tubing Pressure 750 psi		Max. Allowed Ann. Pressure 0 psi		Wellhead Connection Single cement head		Perforations/Open Hole									
Service Instructions						Top, ft 0		Bottom, ft 0		spf 0		No. of Shots 0		Total Interval 0 ft	
						0		0		0		0		Diameter 0 in	
						0		0		0		0			
						Treat Down Casing		Displacement 16.6 bbl		Packer Type None		Packer Depth 0 ft			
						Tubing Vol. 0 bbl		Casing Vol. 19.3 bbl		Annular Vol. 0 bbl		Open Hole Vol. 0 bbl			
Casing/Tubing Secured ☒				1 Hole Volume Circulated prior to Cementing ☐				Casing Tools				Squeeze Job			
Lift Pressure: 147 psi				Pipe Rotated ☐				Pipe Reciprocated ☐				Shoe Type: Squeeze Type			
No. Centralizers: 3				Top Plugs: 0				Bottom Plugs: 0				Shoe Depth: 305 ft			
Cement Head Type: Single								Stage Tool Type				Tool Depth: 0 ft			
Job Scheduled For:				Arrived on Location: 02/24/2000 13:30				Leave Location: 2/24/2000 17:00				Stage Tool Depth: 0 ft			
								Collar Type: Other				Tail Pipe Size: 0 in			
								Collar Depth: 262 ft				Tail Pipe Depth: 0 ft			
												Sqz Total Vol: 0 bbl			
Time	Density U1	Pressure U1	Pump					Message							
24 hr clock	ppg	psi	bpm												
15:47	0	0	0	0	0	0	0	START ACQUISITION							
15:47	14.21	0.	0.	0	0	0	0								
15:48	14.21	0.	0.	0	0	0	0	Pressure Test Lines							
15:48	14.21	0.	0.	0	0	0	0	STOP ACQUISITION							
15:49	1703	-3750	0.	0	0	0	0								
15:51	1703	-3750	0.	0	0	0	0	START ACQUISITION							
15:51	1703	1213	0.	0	0	0	0								
15:51	1703	1213	0.	0	0	0	0	Bleed Off Pressure							
15:51	1703	1213	0.	0	0	0	0	Start Pumping Water							
15:52	1703	-13.74	3.91	0	0	0	0								
15:53	1703	-9.16	3.89	0	0	0	0								
15:53	1703	-9.16	3.89	0	0	0	0	Start Mixing Lead Slurry							
15:54	1703	41.21	3.91	0	0	0	0								
15:55	1703	27.47	3.91	0	0	0	0								
15:56	1703	32.05	3.91	0	0	0	0								
15:57	1703	27.47	3.94	0	0	0	0								
15:58	1703	36.63	3.89	0	0	0	0								
15:59	1703	41.21	3.91	0	0	0	0								
16:00	1703	32.05	3.91	0	0	0	0								
16:01	1703	32.05	3.91	0	0	0	0								
16:01	1703	32.05	3.91	0	0	0	0	Start Mixing Tail Slurry							
16:02	1703	64.1	3.91	0	0	0	0								

ORIGINAL

Well			Field			Service Date		Customer		Job Number	
PRINGLE A #2			BRADSHAW					CHEYENNE DRILLING		20146279	
Time	Density U1	Pressure U1	Pump					Message			
24 hr clock	ppg	psi	bpm								
16:03	1703	68.68	3.91	0	0	0	0				
16:04	1703	41.21	3.91	0	0	0	0				
16:05	1703	50.37	3.91	0	0	0	0				
16:06	1703	54.95	3.94	0	0	0	0				
16:06	1703	54.95	3.94	0	0	0	0	Returns at Surface			
16:07	1703	64.1	3.94	0	0	0	0				
16:08	1703	50.37	3.89	0	0	0	0				
16:09	1703	50.37	3.91	0	0	0	0				
16:10	1703	50.37	3.91	0	0	0	0	Start Pumping Water			
16:10	1703	-54.95	0.	0	0	0	0				
16:11	1703	-27.47	3.1	0	0	0	0				
16:12	1703	-4.58	3.61	0	0	0	0				
16:13	1703	9.16	3.61	0	0	0	0				
16:14	1703	41.21	2.82	0	0	0	0				
16:15	1703	27.47	2.6	0	0	0	0				
16:16	1703	27.47	2.6	0	0	0	0	Shutdown			
16:16	1703	27.47	2.6	0	0	0	0	End Job			
16:16	1703	27.47	0.	0	0	0	0				
Post Job Summary											
Average Pump Rates, bpm						Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2				
3	0	0	3.9	60	0	7	0				
Treating Pressure Summary, psi						Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
70	27	30	0	0		0 bbl	0 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	☒ Cement Circulated to Surface? Volume		20 bbl					
0 %	76.6 bbl	16.6 bbl	70 °F	☐ Washed Thru Perfs To		0 ft					
Customer or Authorized Representative				Dowell Supervisor							
Domoso Castillo				Brennon Fica				☐ Circulation Lost ☒ Job Completed			

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Wichita, Kansas

15-071-20716-01-00

Precision WIRELINE AND TESTING BLUEGRASS ENERGY, INC. PRINGLE A-2

DATE TIME OF READING		ELAP TIME HOURS	WELLHEAD PRESSURE DATA					MEASUREMENT DATA				LIQUIDS		TYPE TEST:	INITIAL		SPECIAL		ENDING DATE
			CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIG	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	G MCF/D	COND. BBLG.		WATER BBLG.	ANNUAL	RETEST	REMARKS PERTINENT TO TEST DATA QUALITY	4-8-00
FRIDAY 4-7-00		(CONTD)																	
1200			158.3	- 0.4	PUMP ON			65.0	10.0		286								
1215		2.5	157.4	- 0.9	PUMP ON			65.0	10.0		286								
1230			156.7	- 0.7	PUMP ON			65.0	10.0		286								
1245		3.0	156.3	- 0.4	PUMP ON			65.0	10.0		286	0	0						
1245			WELL ON 4TH. RATE OF MULTI-PT. TEST THROUGH METER RUN																
1250			151.8	- 4.5	PUMP ON			68.3	20.0		413								
1255			151.1	- 0.7	PUMP ON			68.3	20.0		413								
1300			150.4	- 0.7	PUMP ON			68.3	20.0		413								
1315		3.5	149.2	- 1.2	PUMP ON			69.0	20.0		415								
1330			148.4	- 0.8	PUMP ON			69.0	20.0		415								
1345		4.0	147.6	- 0.8	PUMP ON			69.0	20.0		415	0	0						
1345			WELL ON 1PT. TEST																
1350			150.8	- 3.2				66.3	11.0		303								
1355			152.2	- 0.5				66.3	11.0		302								
1400			151.2	0				66.3	11.0		302								
SATURDAY 4-8-00																			
0845		23.0	137.2					64.5#	11"		299	0	0	SPOT					
								26%	11%										
								26%	12%		312			1 DAY AVERAGE					

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CONSERVATION DIVISION
Wanda Rogers

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