, ORIGINAL

Operator: License # 33884

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

API No. 15 - 025-21337-000**0** 

Address: 730 17th St. Suite 520  City/State/Dip: Deriver, CO 80/202  City/State/Div Energy  Operator Contact Person, Mr. Jamie Brown  Phone: (393 ) 295-2223  Contractor: Name; Val Energy  Designate Type of Competen:  V New Well Rentry  Oil SVD StOW Temp. Abd.  Gas ENHR StOW  Gas ENHR StOW  Total Depth: 5550' Pips Back Total Depth:  Original Comp. Date: Original Total Depth:  Commingded Dockal No.  Other (Core, WSW, Expl., Cathodic, etc)  If Worksover/Re-entry: Old Well Info as follows:  Original Comp. Date: Original Total Depth:  Despensing Be-part Comp. to Enth:/SWD  Plug Back Plug Back Total Depth  Despensing Be-part Comp. to Enth:/SWD  Plug Back Dockal No.  Other (SWD or Enhr.?) Docker No.  Dou's Commingded Dockal No.  Other (SWD or Enhr.?) Docker No.  Dou's Commingded Dockal No.  Other (SWD or Enhr.?) Docker No.  Dou's Commingded Dockal No.  Other (SWD or Enhr.?) Docker No.  Dou's Commingded Dockal No.  Other (SWD or Enhr.?) Docker No.  Oth	Name: High Bluff Operating, LLC	County: Clark
City/State/Zip_ Denver, CO 80202  Purchaser: Duke Energy  Coperator Contact Person, Mr. Jamie Brown  Phone: (303 ) 295-2223  Contractor: Name: Vel Energy  License: 5822  Contractor: Name: Vel Energy  Well see- Season State	Address: 730 17th St., Suite 520	
Substitution   Development	City/State/Zip: Denver, CO 80202	
Operator Contact Person. Mr. Jame Brown Phone: (303 ) 295-2223 Contractor: Name; Val Energy License: 5822 Wellste Geologist: Austin Garner Wellste Geologist: Austin Garner  — New Well — Re-Entry — Workover — Oil — SWD — SIGW — Tamp. Abd. — Gas — ENHR — SIGW — Tamp. Abd. — Dry — Other (Cow. WW. Expl., Cathodic, etc)  If Workover/Re-entry: Old Well Info as follows:  — Well Name: — Original Comp. Date: — Original Total Depth: — Original Comp. Depening — Re-pert. — Conv. to Enhr./SWD — Plug Back — Plug Back Total Depth: — Signature: — Source from the Reserve Plug. Chindred Content N/A — ppm Fluid volume — bbis Dewatering method used. Evaporation — Decket No. — Other (SWD or Enhr.?) — Docket No. — Date Completion Date — Date Reached TD — Completion Date — Plug Back Total Depth — Docket No. — Other (SWD or Enhr.?) — Docket No. — Docket No. — Docket No. — Other (SWD or Enhr.?) — Docket No. — Docket No. — Other (SWD or Enhr.?) — Docket No. — Other Swoth No. — Other Harper — Docket No		330 feet from (E) W (circle one) Line of Section
Phone: (303  265-2223	Operator Contact Person: Mr. Jamie Brown	
Lease Name: Catthers   Well #: 5	Phone: ( <u>303</u> ) <u>295-2223</u>	
Wellsite Geologist: Austin Garner  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/Re-entry: Old Well Info as follows:  Original Comp. Date:  Original Total Depth:  — Despening Re-perf. Conv. to Enhr./SWD  Plug Back Plug Back Total Depth:  — Commingted Docket No.  — Dual Completion Docket No.  — Other (SWD or Enhr.?)  Dotate Reached TD  Completion Date or Recompletion Date  INSTRUCTIONS: An original and two copies of this form shali be filled with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion bate  INSTRUCTIONS: An original and two copies of this form shali be filled with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion of a well. Rule 82-3-130, 82-3-107 apply. Information of side two of this form will be held confidental for a period of 12 months if requested in within gan authority handoned 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.  Subscribed and sworn to before me this 25 day of September 25, 2006  Notary Public:  Aux P. Aux M. Source Pipe Set and Commented at 698  Horizota Pipes Set and Comented at 698  Incompletion cement of State Depth:  Feet  Industries Industry Back Open Interest Pipes  Williple Stage Cementing Collar Used? State Pipes  Feet  If Alternate II completion, cement circulated from feet depth to "yes show depth set of file form the Reserve Pipe Chloride from the Reserve Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pip	Contractor: Name: Val Energy	
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/Re-entry: Old Well Info as follows:  Operator:  Well Name:  Original Comp. Date:  Original Total Depth:  Despening Re-perf. Corn. to Entr./SWD  Plug Back Total Depth  Commingled Docket No.  Ould Completion Docket No.  Ould Completion Docket No.  Ould Completion Date Reached TD  Recompletion Date  Notary Edward Type of Completion Date or Recompletion and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichina, Kansass 67202, within 120 days of the spud date, recompletion, workover or comferdation 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 is exease 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+ After with all plugded wells. Submit CP+ 11 form with all the port will all the post 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.  Subscribed and sworn to before me this 25 day of September 25, 2006  Notary Public:  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.  Subscribed and sworn to before me this 25 day of September 25, 2006  Notary Public:  All Public:  Managing Member, High Bluff Operating LLC Date:  September 25, 2006  Subscribed and sworn to before me this 25 day of September 25, 2006  Described and sworn to before me this 25 day of September 25, 2006  Described and sworn to before me this 25 day of September 25, 2006  Described and sworn to before me this 25 day of September 25,	License: _5822	Field Name: McKinney
New Well   Re-Entry   Workover   Coll   SWD   SIOW   Temp. Abd.   Amount of Surface Pipe Set and Cemented at   598   Feet   Feet   Multiple Stage Cementing Collar Used?   Tyes   No   If yes, show depth set   If Workover/Re-entry: Old Well Info as follows:   Operator:   Well Name:   Original Comp. Date:   Original Total Depth:   Sx cpnt.   Well Name:   Original Comp. Date:   Original Total Depth:   Sx cpnt.   Original Comp. Date:   Original Total Depth:   Sx cpnt.   Original Comp. Date:   Original Comp. Date:   Plug Back   Plu	Wellsite Geologist: Austin Garner	Producing Formation: Chester ,
Amount of Surface Pipe Set and Cemented at 698 Feet Multiple Stage Cementing Collar Used?   Yes   No	Designate Type of Completion:	Elevation: Ground: 2017' Kelly Bushing: 2027'
Amount of Surface Pipe Set and Cemented at 698 Feet Multiple Stage Cementing Collar Used?   Yes   No If yes, show depth set   Feet If Workover/Re-entry: Old Well Info as follows:   If Allernate II completion, cement circulated from   Feet depth to   Wrest   Feet If Allernate II completion, cement circulated from   Sx cpt.	New Well Re-Entry Workover	Total Depth: 5850' Plug Back Total Depth:
Dry Other (Core, WSW, Expl., Cathodic, etc)  If Workover/Re-entry: Old Well Info as follows:  Operator:	Oil SWD Temp. Abd.	
If Alternate II completion, cement circulated from feet depth to w/w w/w sx cmt.    Departor:	Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Operator:	Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
Original Comp. Date:Original Total Depth:	If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Original Comp. Date:Original Total Depth:	Operator:	feet depth tosx cgnt.
Original Comp. Date:Original Total Depth:Original Total Depth:Original Total Depth:Original Total Depth:	Well Name:	
Plug Back Plug Back Total Depth  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  1-24-06 2-6-06 2-24-06 Spud Date or Recompletion Date Recompletion Date  INSTRUCTIONS: An original and two copies of this form shall be filled 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 with 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:  All requirements of before me this 25 day of September 25, 2006  Notary Public:  Assume Evaporation  Docket No.  OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West County:  Harper Docket No.: OTC #15717  Ourtre Sec. 28 Twp. 25 S. R. 25 East West Co	Original Comp. Date: Original Total Depth:	
Plug Back Plug Back Total Depth  Commingled Docket No. Docket No. Docket No. Dother (SWD or Enhr.?) Docket No. Docket No. Dother (SWD or Enhr.?) Docket No. Docket No	Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Dual Completion Docket No. Docke	Plug BackPlug Back Total Depth	
Other (SWD or Enhr.?) Docket No.  Other (SWD or Enhr.?) Docket No.  Other (SWD or Enhr.?) Docket No.  1-24-06  Spud Date or Recompletion Date or Recompletion Date or Recompletion Date  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:  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.  KCC Office Use ONLY  Letter of Confidentiality Received  If Denied, Yes Date:  Wireline Log Received  Geologist Report Received  Geologist Report Received  UIC Distribution	Commingled Docket No	
1-24-06  Spud Date or Recompletion Date  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:    C   Richard   C   Received   Rec	Dual Completion Docket No	·
1-24-06 Spud Date or Recompletion Date    Date Reached TD   Date   Date	Other (SWD or Enhr.?) 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:    C   RCC Office Use ONLY   Letter of Confidentiality Received   If Denied, Yes   Date:   Wireline Log Received   RECEIVED   Mireline Log Received   Rece	1-24-06 2-6-06 2-24-06	
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:  Wireline Log Received  Geologist Report Received  UIC Distribution  In Denied, Yes Date:  Wireline Log Received  Geologist Report Received  UIC Distribution		
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:    KCC Office Use ONLY	Tioto ipiciion bato	County: Docket No.: 010 #13717
Signature:  Title: Managing Member, High Bluff Operating, LLC Date: September 25, 2006  Subscribed and sworn to before me this 25 day of September 25, 2006  Notary Public: Sair P. Snown  KCC Office Use ONLY  Letter of Confidentiality Received  If Denied, Yes Date:  Wireline Log Received  Geologist Report Received  UIC Distribution	Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.  All requirements of the statutes, rules and regulations promulgated to regulations.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
Title: Managing Member, High Bluff Operating, LLC Date: September 25, 2006  Subscribed and sworn to before me this 25 day of September 25, 2006  Wireline Log Received Geologist Report Received UIC Distribution	1 11 7	
Subscribed and sworn to before me this 25 day of September  20 0 4.  Notary Public: Bair P. Brown  Date:  Letter of Confidentiality Received  If Denied, Yes Date:  Wireline Log Received  Geologist Report Received  UIC Distribution	Signature:	KCC Office Use ONLY
20 0 4.  Notary Public: Dair P. Brown DET 6 2018  Wireline Log Received — Geologist Report Received — UIC Distribution	Title: Managing Member, High Bluff Operating, LLC Date: September 25, 2006	Letter of Confidentiality Received
20 0 le .  Notary Public: Dair P. Brower  Wireline Log Received  Geologist Report Received  UIC Distribution  Wireline Log Received  UIC Distribution	Subscribed and sworn to before me this 25 day of September	If Denied, Yes Date:
Notary Public: Sair P. Stones UIC Distribution — Geologist Report Received — UIC Distribution		Wireline Log Received KECEIVEP
- Table 1 - Table 2 - Ta	Sai P. Brown	Geologist Report Received
Date Commission Expires: 7-12-2009	Notary Public: /	UIC Distribution
	K/ 17 - 7 - 6/2 2 " "	

Operator Name: H	ligh Bluff Operatin	g, LLC		Leas	e Name	. Cauthers		Well #: 5		
Sec. 14 Twp.	34S S. R. 25	_	t 🗹 West		ty: Cla			vveii #:	* * * * * * * * * * * * * * * * * * * *	
temperature, fluid i	Show important tops pen and closed, flow recovery, and flow ra ogs surveyed. Attack	tes if gas to	surface test.	along with	3711117-1171 P	TARRITA TARA	and chatic lovel bus	rootatia		
Drill Stem Tests Taken ☐ Yes ☑ No (Attach Additional Sheets)					✓ Log Formation (Top), Dep			pth and Datum Sample		
			es 🗹 No		Name			Тор	Datum	
Classical and D		_	Yes No Mo		Mo Ch	Chester Morrow Cherokee		5570' 5525' 5332'		
Cased Hole	Log only				Ма	rmaton		5110'		
				RECORD		lew Used	<del> </del>			
Purpose of String	Size Hole		t all strings set- e Casing	conductor, su		termediate, prod	fuction, etc.	# Coole		
Surface	Drilled	Set (In O.D.) 8 5/8"		Lbs./		Depth	Cement	# Sacks Used	Type and Percen	
Surface				24#		698'	Class A	250	3%cc,1/4#flose	
Desident								150	3%cc & 2% ge	
Production	4 1/2"			10.5#		5831'	Class A	225	500gls mudclean & 5# kols	
D		т	ADDITIONAL	CEMENTIN	IG / SQ	UEEZE RECO	RD			
Purpose:  —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Coment		#Sacks Used		Type and Percent Additives				
Shots Per Foot			) - Bridge Plug ach Interval Per			Acid, F	racture, Shot, Cement Amount and Kind of Ma	Squeeze Reco	rd Depth	
2	5606'-5620' and 5625'-5638'					1500 gals. HCL				
						100 Ball se	ealers			
TUBING RECORD	Size 3/8"	Set At 5575'	5	Packer At		Liner Run	Yes 🗹 No			
Date of First, Resumero 2-25-06	Production, SWD or E	nhr.	Producing Meth	nod	Flowing	) Pump		Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas 300 mcf	Mcf	Wate 20 bb		Bbls. G	as-Oil Ratio	Gravity	
Disposition of Gas   Vented ✓ Sold  (If vented, Su	METHOD OF C Used on Lease bmit ACO-18.)	OMPLETION	Open Hole Other (Specif	✓ Perf.		Production Into	erval Commingled		RECEIVE	
		_	, , open		,	····			UCT - 5 700	

KCC WICHITA