FORM WW-3(A)	1) Date 9-25-03
Obverse  RECEIVED  Office of Oil & Gas  Office of Chief	Operator's 2) Well No. LC-19 3) SIC Code 1310 4) API Well No. 47 - 109 - 0143
WW Department of	State County Perm: STATE OF WEST VIRGINIA OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the
OFFICE OF OIL AND GA	S, DIVISION OF ENVIRONMENTAL PROTECTION
(i) Name focahantas Land Corp. Address P.O. Box 1517 Blugfild, WV 247 (ii) Name	Address P.O. Box 1233 Charleston to V 25324 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD
AddressAddress	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD: Name Eastern Associated Coal Corp Address P.b. Boy 1233 Charles for UV 25324
<ol> <li>The Application for a Liquid WW-3(B), which sets out the p</li> <li>The plat (surveyor's map) sho</li> <li>The Construction and Reclamat to plug a well), which sets or reclamation for the site and</li> </ol>	Injection or Waste Disposal Well Work Permit on Form Parties involved in the drilling or other work, and I wing the well location on Form WW-6; and I work on Form WW-9 (unless the well work is only put the plan for erosion and sediment control and for access road.
WHICH ARE SUMMARIZED IN THE "INSTRUCTI	S IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION ONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION OWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
well operator proposes to financompanying documents for a Oil and Gas, West Virginia Diva well at the location description attached form WW-6. Copies Construction and Reclamation mail or delivered by hand to	er 22B of the West Virginia Code, the undersigned le or has filed this Notice and Application and Well Work Permit with the Chief of the Office of ision of Environmental Protection, with respect to ibed on the attached Application and depicted on of this Notice, the Application, the plat, and the Plan have been mailed by registered or certified the person(s) named above (or by publication in efore the day of mailing or delivery to the Chief.
The person signing this docume	nt shall make the following certification:

information submitted in this document and all attachments and that, based on my inquiry of By those individuals immediately responsible for obtaining the information, I believe that Its the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

personally examined and am familiar with the

"I certify under penalty of law that I have

Hom Wiginia Oil + Sas Corp.

Well Operator

Well Operator

V.P.

PH:

CH# 1075

# INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) Designated Standard Industrial Code
- 4) To be filled out by the Office of Oil & Gas
- 5) To be filled out by the Office of Oil and Gas unless this well is covered by an existing area permit: See Instruction Sheet WW-3-AP.
- 6) & 7) Use separate sheet if necessary.
  - 6) Surface owner(s) of record to be served with Notice of Application. However, see also Code 22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
  - 7 (i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operator a coal operator.
- 7 (ii, iii) See Code 22B-1-36.

### CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code 22B-1-6 and Regulation 7.02 provide that the original and two copies of the Notice and Application must be filed with the Chief, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 22B-1-26, (iii) the "Construction and Reclamation Plan" for Form WW-9, applicable to the plan required by Code 22-1-G(d) and the reclamation required by Code 22B-1-30 and Regulation 23, (iv) unless (v) if applicable, the consent required by Code 22B-1-21 from the owner of any water well or dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with interest in the coal. See Code 22B-1-9, 22B-1-13, and 22B-1-14.

FORM WW-3(B) FILE COPY

(Obverse)

10/91

RECEIVED
Office of Oil & Gas
Office of Chief

SEP 29 2003

WV Department of



1)	Date: SEPTEMBER	25.	,xx 2003
2)	Operator's TO 10		

Well No.\_

1310 3) SIC Code

109 01433 47 4 API Well NO. State County Permit

5. UIC Permit No. \_

WW Department of Protection STATE OF WEST VIRGINIA

Environmental Protection STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

## DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

71				01/0							
7)	LOCATION			2148			rshed: <u>Crane F</u>		7.1 . 77 .		
		Distric		eana				Quadrangle			
8)	WELL OPE	RATOR	Penn V	irginia	a Oil	Gas Corp.		TED AGENT <u>Har</u>			
	Address 2550 East Stone Drive, Suite 110 Address P.O. Box 466										
		<u>Kin</u>	gsport	, TN 3	7660			<u>Ravincliff</u>	WV 25913		
10)	OIL & GAS			E NOTIFI	ED						
	Name Ra	lph Tri	plett		<u> </u>			CONTRACTOR:			
	Address .	1150 S	tate R	oute 1	0, N	<del> </del>	NameN	I/A			
		Branch	land,	WV 255	06		Address		<del> </del>		
12)	PROPOSE	D WELL W	ORK:	Drill		Orill deeper		/ Stimulate			
,						nation/ Perforale	new formation/	Convert_/			
				_		ge in well (specify)					
12)	GEOLOGI	CAL TARG	FT FORM			De 211 (2)		Depth 3540 fee	t(top) to 3578 feet(botte		
14)	Estimated (	denth of cor	nnleted w	ell (or acti	ual denth o	f existing well) 426					
14)	A			. Easah	110	DU facti roli I	IUIIE faat				
	Approxima	te water sur	ata ueptiis	275 –	278:	303' - 307':	592' - 596'	734' - 737'			
16)	Approxima	ite coai seam	depins:	V	X X	<u> </u>					
17)	is coal bein	ng mined in	tne area?	1 es/	700	$psig.$ Source $\underline{I}$	ata from wel	ls in field			
18)	Virgin reser	rvoir pressur	e in target	Jormation	68 psi	psig. Source _= fr 2 407		10 111 11010			
19)	Estimated r	eservoir fra	cture press	ure	00 psi	ft: 2,407	psig (BHFP) 50	Bottom hole pres	2300		
20)	MAXIMUI	M PROPOS	ED INJEC	TION OP	EDATION	C. Volume net hours					
					EKATIOI	S: Volume per hour:		Bottom note pres	hrino		
21)	DETAILE	D IDENTIF	ICATION	OF MATI	ERIALS T	D BE INJECTED, INC		ES: Gas field	brine		
21)	no ad	D IDENTIF ditives	ICATION	OF MATI	ERIALS T	D BE INJECTED, INC		ES: Gas field	brine		
22)	no ad	D IDENTIF ditives (IF ANY):_	ICATION antic	OF MATI	ERIALST	O BE INJECTED, INC	LUDING ADDITIV	ES: Gas field	brine		
22)	no ad	D IDENTIF ditives (IF ANY):_	ICATION antic	OF MATI	ERIALST	O BE INJECTED, INC	LUDING ADDITIV	ES: Gas field	brine		
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22) 23) 24)	FILTERS ( SPECIFIC CASING A	DIDENTIF ditives (IF ANY): _ ATIONS FO	ICATION antic OR CATH	OF MATI ipated ODIC PRO	ERIALST	O BE INJECTED, INC	LUDING ADDITIV	ES: Gas field  None	brine		
22) 23) 24)	no ad FILTERS ( SPECIFIC	D IDENTIF ditives (IF ANY): _ ATIONS FO	OR CATH	OF MATI	DTECTIO	N AND OTHER CORE	CLUDING ADDITIVE COSION CONTROL	. None  CEMENT FILLUP OR SACKS	brine		
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22) 23) 24) CA TU	no added to the second of the	DIDENTIF ditives (IF ANY): _ ATIONS FO AND TUBIN Size 16"	OR CATH	OF MATI	DTECTIO	POOTAGE For drilling 30 T	CLUDING ADDITIVE ROSION CONTROL  EINTERVALS  Left is well  30 **	CEMENT FILLUP OR SACKS (Cubbe feet)	brine		
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22) 23) 24) CA TU Conc Frest Coal Inter	no add	DIDENTIF ditives  (IF ANY): _ ATIONS FO  AND TUBIN  Size 16" 113/4" 8-5/8" 4-1/2	DR CATHONG PROG SPECI Grade H-40 J-55	OF MATI ipated ODIC PRO RAM FICATIONS Weight per ft. 42 24	DTECTIO	FOOTAGE 30' 298'	COSION CONTROL  EINTERVALS  Left in well  30' 298' 1553'	CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS Kinds Tension		
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22) 23)  24)  CA TU  Conc Frest  Coal Inter  Prod Line	no add FILTERS ( SPECIFIC  CASING A ASING OR JBING TYPE  ductor th water  J  rmediate duction ing ers	DIDENTIF ditives  (IF ANY): _ ATIONS FO  AND TUBIN  Size 16" 113/4" 8-5/8" 4-1/2 2-3/8  NT'S OPEI	ICATION antic  OR CATH  NG PROG  SPECI  Grade  H-40  J-55  j-55  J-55	OF MATI ipated ODIC PRO RAM FICATIONS Weight per ft. 42 24 10.5 4.7	New Us	FOOTAGE Solution of the control of t	COSION CONTROL  CINTERVALS  Left is well 30' 298' 1553' 4186 3500  Doration	CEMENT FILL UP OR SACKS (Cable feet)  177 476	PACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir		
22) 23)  24)  CA TU  Conc Frest  Coal Inter  Prod Line	no add FILTERS ( SPECIFIC  CASING A ASING OR JBING TYPE  ductor th water  J  rmediate duction ing ers	DIDENTIF ditives  (IF ANY): _ ATIONS FO  AND TUBIN  Size 16" 113/4" 8-5/8" 4-1/2 2-3/8  NT'S OPEI	ICATION antic  OR CATH  NG PROG  SPECI  Grade  H-40  J-55  j-55  J-55	OF MATI ipated ODIC PRO RAM FICATIONS Weight per ft. 42 24 10.5 4.7	New Us	FOOTAGE Solution Service Servi	CLUDING ADDITIVE ROSION CONTROL  CINTERVALS  Left is well 30' 298' 1553' 4186 3500	CEMENT FILL UP OR SACKS (Cable feet)  177 476	PACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations.Weir Top 3530 Bottom		

				OFFICE US			· · · · · · · · · · · · · · · · · · ·	
				DRILLING	PERMIT		27	
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Permit number					<u></u>	Chefor gen	In the original	19
This manuals again	ing the mall and	and	all location the	own halow is avide	nce of permission	granted to drill in ac	Date	estinant lagal es
quirements subjection to the subjection of the s	ct to the condition of	ons contained of roads, loca	d herein and or ations and pits	the reverse hereo	f. Notification mus work. In addition,	it be given to the Dist	rict Oil and Gas Ins	pector, (Refer to
The permitted wo		d in the Notic	ce and Applica	tion, plat, and (if i	equired) constructi	on and reclamation p	lan, subject to any n	nodifications and
Permit expires _				unles	well work is comm	nenced prior to that di	ate and prosecuted w	ith due diligence.
Bond:	Agent:	Plat:	Casing	Fee				
NOTE: Keep o	ne copy of this	permit postex	d at the drilling	g location.	CHIEF,	OFFICE OF O	IL AND GAS	
	PERN	AIT MODIFI	ICATIONS AN	ND CONDITIONS	(IF ANY) TO TH	E PROPOSED WEI	I. WORK	
	· ·				•			
						•		
	4							
					·		·	
				OFFICE U				
This part of For	m IV-3(b) is to	record the da	ates of certain	occurrences and a	ny follow-up inspec	ctions.		
			Date					ate(s)
Application reco	eived				Follo	ow-up inspection(s)		
Well work start	ed					**		
Total depth read	ched					44 99		
Well Record rec	eived					** **		
Reclamation co	mpleted						•	
OTHER INSPE	_					•		
Reason:_						:		
					·			

FORM WW-3(B) FILE COPY (Obverse) 10/91



1)	Dat SEPTEM	BER	5.		_,×× 2003
2)	Operadr's LC-	19			
	SIC Code		10		
	API Well NO.	47	-	109	. 01433
7	All I well no.	Stati		County	Permit
5.	UIC Permit No.				

County: Wyoming Quadrangle: Pilot Knob

#### STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

Watershed: <u>Crane Fork</u>

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

6) WELL TYPE: Liquid injection X Gas injection (not storage) Waste disposal

7) LOCATION: Elevation: 2148 Watershed: Crane For

District: Oceana

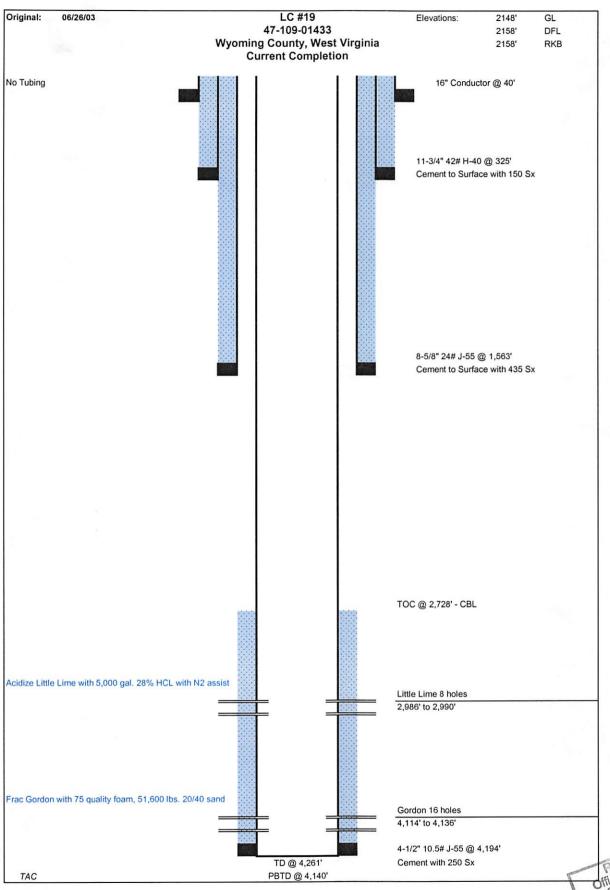
8)										10170
	WELL OPER	ATOR $\frac{P}{}$	enn Vi	rginia	011	L & Ga	s Corp.	9) DESIGNATE	DAGENT Har	Ly Jewell
805.	Addr	ess 2550	East	Stone	Dri	ze, Su	<u>ite 1</u> 10	Adds	ess P.O. Box	
			sport,						Ravincliff.	D WV 23913
(0)	OIL & GAS	INSPECTO	R TO BE	NOTIFIE	ED			III BRILLING	CONTRACTOR	
	Name Ral	ph Trip	lett	- 10				11) DRILLING		
	Address	1150 St	ate Ro	ute 10	), N			NameN/		
		Branch1	and, W	V 2550	)6			Address		
							¥	7 Dedeill	/ Stimulate	
2)	PROPOSED	WELL WO	ORK:	Drill		/ Drill	deeper	w formation_/		
								.w Toffmation_		
				Other phy	sical c	nange in ir	well (specify)	D	epth 3540 feet	(top) to 3578 feet (bottom)
13)	GEOLOGIC	AL TARG	ET FORM	ATION,	- WC		4261	ft.	·p	•
14)	Estimated de	pth of con	pleted wel	II, (or acti	ial dep	660	ting well) 4261	200		
15)	Approximate	water stra	ta depths;	Fresh,_	278	1. 303	feet; salt, No.	92' - 596':	734' - 737'	
161	Approximate	coal seam	depins:				, 30. 1.		479	ipsi = Max Surfa
17)	Is coal being	mined in	the area?	Yes/	/ No.:	$\frac{\Lambda}{\Omega\Omega}$	Da	ta from well	ls in field	Injection Pre
				farmetian	-	-	psig. Source	psig (BHFP)		
101	Estimated re	servoir frac	ture pressu	are Co.	no h	SI/IL	2,407	big (Bill)	Bottom hole press	2500 2/60
20)	MAXIMUM	PROPOSI	ED INJEC	TION OF	ERAT	IONS	volume per nour: _	LIDING ADDITIVE	Gas field	brine 90% o
20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 50 Bottom hole pressure 22  21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Gas field brine no additives anticipated							10 00 1			
21)	no add	itives	antici	ipated						
20	IIO aud	E ANVI:	ancic.	rpaccu						
-	IIO aud	E ANVI:	ancic.	rpaccu						
-	IIO aud	E ANVI:	ancic.	rpaccu				OSION CONTROL:		
22;	FILTERS (I	F ANY): _ ATIONS FO	OR CATHO	ODIC PRO						
22; 23; 24	FILTERS (I SPECIFICA CASING A	F ANY): _ ATIONS FO	OR CATHO	ODIC PRO	ОТЕС		D OTHER CORRO	OSION CONTROL:		
22; 23; 24	FILTERS (I SPECIFICA CASING A	F ANY): _ ATIONS FO	OR CATHO	DDIC PRO	OTEC	TION AN	D OTHER CORRO	OSION CONTROL:	None  CEMENT FILLUP OR SACKS	gradie
22; 23; 24	FILTERS (I SPECIFICA CASING A	F ANY):ATIONS FO	OR CATHO	DDIC PRO	ОТЕС		D OTHER CORRO	OSION CONTROL:	None  CEMENT FILLUP	gradie
22;	FILTERS (I SPECIFICA CASING A	F ANY): ATIONS FO ND TUBIN Size 16"	OR CATHO	RAM FICATIONS Weight per ft.	OTEC	TION AN	FOOTAGE For drilling 30 1	DSION CONTROL:	NOTICE  CEMENT FILL-UP  OR SACKS  (Cubic feet)	Gradle
22, 23, 24	FILTERS (I SPECIFICA CASING A	F ANY): ATIONS FO  ND TUBIN  16"  113/4"	OR CATHO	PACE PROPERTY OF THE PROPERTY	OTEC	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL: INTERVALS Left in well 30   298	None  CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS  Kinds Tension
22; 23; 24 (1)	FILTERS (I SPECIFICA CASING A CASING OR TUBING TYPE	F ANY): ATIONS FO ND TUBIN Size 16"	OR CATHO	RAM FICATIONS Weight per ft.	OTEC	TION AN	FOOTAGE For drilling 30 1	DSION CONTROL:	NOTICE  CEMENT FILL-UP  OR SACKS  (Cubic feet)	gradie
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22, 23, 24 (1) CC Fr CC In	PILTERS (I SPECIFICA CASING A CASING OR CUBING TYPE SINGUICATOR	F ANY):ATIONS FO	OR CATHONIC PROGRESSION SPECIAL Grade H-40 J-55	PACE PROPERTY IN THE PROPERTY	New	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL:  INTERVALS  Left in well  30 '  298 '  1553 '  4186	None  CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS  Kinds Tension
22, 23, 24 (1) CC Fr. CC	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  CUBING TYPE  Inductor  cal  termediate  roduction	F ANY): ATIONS FO ND TUBIN 16" 113/4" 8-5/8"	OR CATHO NG PROG SPECII Grade H-40 J-55	PACE PROPERTY OF THE PROPERTY	New	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL: INTERVALS Left in well 30 1 298 7 1553 7	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500
222 23 24 (1) CG Fr CG In	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  UBING TYPE  Inductor  In the second of t	F ANY):ATIONS FO	OR CATHONIC PROGRESSION SPECIAL Grade H-40 J-55	PACE PROPERTY IN THE PROPERTY	New	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL:  INTERVALS  Left in well  30 '  298 '  1553 '  4186	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir
227 23 24 CG Fr CG In	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  TUBING TYPE  and water  and  termediate  roduction  abing	F ANY):ATIONS FO	OR CATHONIC PROGRESSION SPECIAL Grade H-40 J-55	PACE PROPERTY IN THE PROPERTY	New	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL:  INTERVALS  Left in well  30 '  298 '  1553 '  4186	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir
22', 23', 24' (1') CG   Fr   CG   Tr   CG   Tr	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  TUBING TYPE  and water  and  termediate  roduction  abing	F ANY):ATIONS FO	OR CATHONIC PROGRESSION SPECIAL Grade H-40 J-55	PACE PROPERTY IN THE PROPERTY	New	TION AN	FOOTAGE For drilling 30 1 298 1	DSION CONTROL:  INTERVALS  Left in well  30 '  298 '  1553 '  4186	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir
222 23 24 (1) CC Fr CO In	FILTERS (I FILTERS (I SPECIFICA CASING OR UBING TYPE sonductor cash water coal termediate roduction ubing	F ANY): ATIONS FO ND TUBIN 16" 11-3/4" 8-5/8" 4-1/2 2-3/8	OR CATHONIC PROGRESSION SPECIFIC Grade H-40 J-55 J-55 J-55	PACE PROPERTY OF THE PROPERTY	New	Used	FOOTAGE For drilling 30' 298' 1553'	DSION CONTROL:    Left in well   30   298   1553   4186   3500	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir
22 23 24 5 6 1 7 2 1 1 1	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  CUBING TYPE  CONTROL OF THE CONTROL  CONTROL OF THE CONT	F ANY): ATIONS FOO ND TUBIN 16" 113/4" 8-5/8" 4-1/2 2-3/8	Grade H-40 J-55 J-55 J-55	PACE PROPERTY IN THE PROPERTY	New	Used Used	FOOTAGE For drilling 30 ' 298 ' 1553 '	DSION CONTROL:  INTERVALS  Left in well 30' 298' 1553' 4186 3500  oration	None  CEMENT FILL-UP OR SACKS (Cubk feet)  177 476  455	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir Top 3530 Bottom 35
222 233 244 (1) CC Err CC In	FILTERS (I  FILTERS (I  SPECIFICA  CASING OR  CUBING TYPE  CONTROL OF THE CONTROL  CONTROL OF THE CONT	F ANY): ATIONS FO ND TUBIN 16" 11-3/4" 8-5/8" 4-1/2 2-3/8	Grade H-40 J-55 J-55 J-55	PACE ODIC PROPERTY IN THE PROP	New	Used Used	FOOTAGE For drilling 30' 298' 1553'	DSION CONTROL:    Left in well   30   298   1553   4186   3500	None  CEMENT FILLUP OR SACKS (Cubic feet)  177 476	FACKERS  Kinds Tension  Size4-1/2x2-3/8  Depths set 3500  Perforations:Weir  Top 3530 Bottom 357

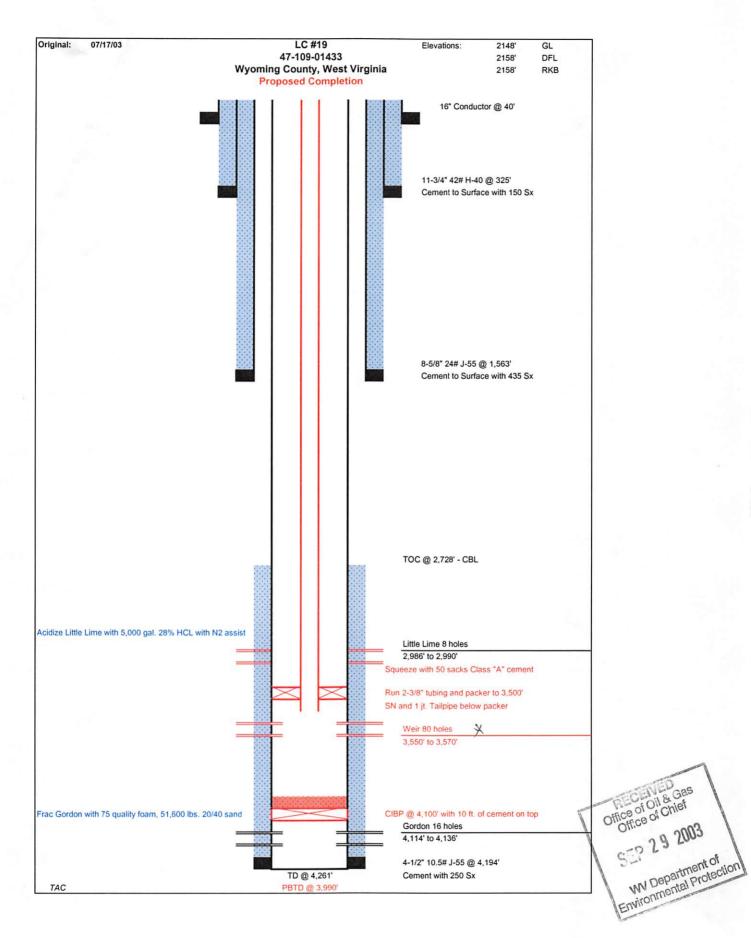
#### Exhibit 9

## LC-19 Conversion to SWD Well Procedure

- 1. Disconnect well from sales line.
- 2. Set CIBP at 4100' (above Gordon perforations at 4114'- 4136'). Place 10 feet of cement on top of CIBP with dump bailer.
- 3. Pick up squeeze packer and 2-3/8" tubing. Set packer above Little Lime perforations at 2986'- 2990'.
- 4. Squeeze Little Lime perforations with 50 sacks Class A cement.
- 5. Release packer. Pull out 5 joints. Reverse out to insure cement is out of tubing. Finish pulling out of hole and lay down packer.
- 6. Move in and rig up reverse unit and power swivel.
- 7. Load casing with fresh water.
- 8. Run in hole with bit. Drill out squeeze. Pull out of hole and lay down bit.
- 9. Pressure test 4-1/2" casing to 2000 psi. Hold pressure for 30 minutes. Record on chart. Note: If casing does not test, re-squeeze and test as required.
- 10. Perforate Weir from 3550' to 3570' with 80 holes, 4 SPF. Correlate depth with Young Wireline Services OH log, dated 8/13/94.
- 11. Make gage ring run to 3500'. If problem is encountered, MIRU WS unit and run casing scraper, on tubing to same depth.
- 12. Pick up and run in hole with SN, one joint tail pipe, packer, and 2-3/8", 4.7 ppf, 8rd, EUE tubing. Spot 6 bbls 15% acid across Weir perforations. Load casing with packer fluid. Set packer at + 3500'.
- 13. Install pressure gages on 8-5/8" x 4-1/2" and 4-1/2" x 2-3/8" annuluses. Establish injection rates/pressures using filtered produced water. Do not exceed maximum allowable WH injection pressure established by permit. Record all pressures and injection rates.
- 14. Perform MIT test on 4-1/2" x 2-3/8" annulus. Record pressures on chart.
- 15. Install surface equipment.







FORM WW-3(A)
Obverse

1)	Di 9-25-03	
2)	Operator's Well No. LC-/9	
3)	SIC Code /3/0	
4)	API Well No. 47 - 109 -014	<u>33</u>
	State County Per	nit

#### STATE OF WEST VIRGINIA

# NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

•	for the
OFFICE OF OIL AND GAS, DI	VISION OF ENVIRONMENTAL FEOTECTION
6) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (1) COAL OPERATOR Fastern Associated Coal Corp. Address P.O. But 1233
(1) Name Pocahintas Land Cons.	Charleston WV 25324
Address P.O. Box 1517  Bluffeld WV 34701	7 (11) COAL OWNER(S) WITH BECLARATION ON RECORD
(ii) Name	Address
Address	AND
	7 (111) COAL LESSEE WITH DECLARATION ON RECORD:
(iii) Name	Name Eastern Associated Cook Carp Address P.S. Bay 18:33
Address	Charles for 12 25324
TO THE PERSON(S) NAMED ABOVE: You should ha	eve received this Form and the following documents
<ol> <li>The Application for a Liquid Inject WW-3(B), which sets out the parties</li> <li>The plat (surveyor's map) showing to The Construction and Reclamation Plat to plug a well), which sets out the reclamation for the site and access</li> </ol>	tion or Waste Disposal Well Work Permit on Form involved in the drilling or other work, and the well location on Form WW-6; and lan on Form WW-9 (unless the well work is only plan for erosion and sediment control and for so road.
The date proposed for the first injection	on or waste disposal is housewith, \$3003.
THIS ARE CIRMARIZED IN THE "INSTRICTIONS" (	THAT YOU HAVE RIGHTS REGARDING THE APPLICATION ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
well operator proposes to file or accompanying documents for a Well Oil and Gas, West Virginia Division a well at the location described attached form WW-6. Copies of the Construction and Reclamation Plan	has filed this Notice and Application and Work Permit with the Chief of the Office of of Environmental Protection, with respect to on the attached Application and depicted on is Notice, the Application, the plat, and the have been mailed by registered or certified person(s) named above (or by publication in the day of mailing or delivery to the Chief.
"I certify under penalty of lar personally examined and am familiar information submitted in this docum attachments and that, based on my in those individuals immediately responsioning the information, I believe the information is true, accurate, I am aware that there are signification submitting false information, i possibility of fine and imprisonment.	with the well Operator ent and all nquiry of By nsible for e that Its and complete. Its and complete. Its ncluding the

September 26, 2003

Certified Mail 7003 0500 0004 4565 1868

Pocahontas Land Corporation PO Box 1517 Bluefield, WV 24701

RE: LC-19

Wyoming County, West Virginia

Dear Sir or Madam:

Enclosed please find a copy of the permit application to convert this well to a water injection well on above referenced well. This application is being sent to you as surface owner on this tract of land.

If you have any questions, please call the number listed below.

Sincerely,

Kita Gibson

Lease Records Supervisor

Kita Silison

**Enclosures** 

RECEIVED
Office of Oil & Gas
Office of Chief
SEP 2 9 2003

WW Department of Environmental Protection September 26, 2003

Certified Mail 7003 0500 0004 4565 1875

Eastern Associated Coal Corporation PO Box 1233 Charleston, WV 25324

RE: LC-19

Wyoming County, West Virginia

Dear Sir or Madam:

Enclosed please find a copy of the permit application to convert this well to a water injection well on above referenced well. This application is being sent to you as coal owner/operator on this tract of land.

If you have any questions, please call the number listed below.

Sincerely,

Kita Gibson

Lease Records Supervisor

Kita Silvon

**Enclosures** 



September 26, 2003

Certified Mail 7003 0500 0004 4565 1882

Mr. Ralph Triplett 1150 State Route 10, N Branchland, WV 25506

RE: LC-19

Wyoming County, West Virginia

Dear Mr. Triplett:

Enclosed please find a copy of the permit application to convert this well to a water injection well on above referenced well.

If you have any questions, please call the number listed below.

Sincerely,

Kita Gibson

Kita Illison

Lease Records Supervisor

**Enclosures** 

