



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

PERMIT MODIFICATION APPROVAL

March 11, 2016

CUNNINGHAM ENERGY, LLC
3230 PENNSYLVANIA AVENUE
CHARLESTON WV 25302

Re: Permit Modification Approval for API Number 1502905, Well #: KING 19H

ADDITIONAL ADDITIVES TO BE USED IN DRILLING

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gene Smith', is written over the word 'Sincerely,'.

Gene Smith
Assistant Chief of Permitting
Office of Oil and Gas

Promoting a healthy environment.

03/11/2016

WW-9
(2/15)

API Number 47 - 15 - 02905

Operator's Well No. King 19H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CUNNINGHAM ENERGY, LLC OP Code 494508594

Watershed (HUC 10) TRIBUTARY OF WADE FORK Quadrangle ELKHURST 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: DRILL CUTTINGS; FLUIDS FROM DRILLING AND FRACTURING

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 30 MIL

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- ____ Reuse (at API Number _____)
- ____ Off Site Disposal (Supply form WW-9 for disposal location)
- ____ Other (Explain _____)

Will closed loop system be used? If so, describe: NO

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. AIR, FRSHWATER, DRILLING MUD

-If oil based, what type? Synthetic, petroleum, etc. _____ (INTERMEDIATE SECTION)

Additives to be used in drilling medium? SOAP; KCL; CLAY STABILIZER; EVAP SALT; XCIDE-102; MIL STARCH; XANPLEX D;

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. LEAVE IN PIT/HAUL IF NEEDED

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) CEMENT & LIME

-Landfill or offsite name/permit number? CITY OF CHARLESTON LANDFILL

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature _____

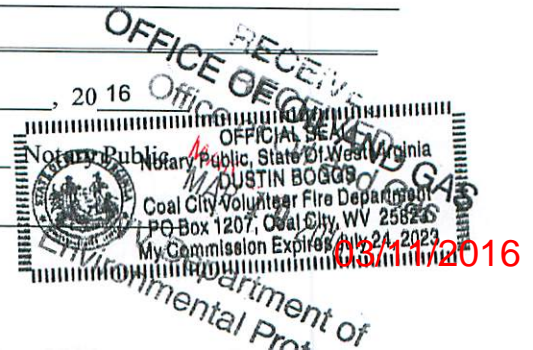
Company Official (Typed Name) RYAN E. M. CUNNINGHAM

Company Official Title PRESIDENT

Subscribed and sworn before me this 4 day of MARCH

DUSTIN BOGGS _____

My commission expires 07/24/2023



WW-9
Part II

API Number 47-15-02905
Operators Well No. King 19H

ADDITIONAL ADDITIVES TO BE USED IN DRILLING MEDIUM:

CAUSTIC SODA
MIL-PAC R
SODA ASH LIGHT
SODIUM CHLORIDE

RECEIVED
OFFICE OF OIL AND GAS

MAR 09 2016

03/11/2016

SEER POWERCORP/IN NW
 ALP4243730/100
 SWP0132324

SWP0132324
 Detail Well Receipt by Material

Page: 1
 Date: 02/25/2016
 Time: 16:50:29

Sales Organization: 1000 BH Oilfield Op
 Division: 20 Basin Admin INHQ
 Well: 5298176 KING OH

Customer	Customer Name	Material	Material Description	Delivery Item	Ship Date	Quantity	Unit Price	Extended Price	Part	Invoice No	Invoice Date
		1000446	Drill Fluid Base Service Pack	00000	02/02/2016	0.000	0.00	0.00	1679	02/02/2016	
		Subtotal for Material 1000446				0.000		0.00			
		10005736	V49 Drilling Fluids Base	00000	02/02/2016	0.000	850.00	0.00	1679	02/02/2016	
				00000	02/02/2016	0.000	350.00	0.00	1679	02/02/2016	
		Subtotal for Material 10005736				0.000		0.00			
		10212296	Salids Control Equipment Service Pack	00000	02/02/2016	0.000	0.00	0.00	1763	02/02/2016	
		Subtotal for Material 10212296				0.000		0.00			
		10242736	Liquid material processing equip serv pack	00000	02/02/2016	0.000	0.00	0.00	1763	02/02/2016	
		Subtotal for Material 10242736				0.000		0.00			
		Subtotal for Customer				0.000		0.00			
40120000	GUNNING7TH ENERGY LLC	10006741	EMERIS	812014384	000130	02/24/2016	14.000	12.50	175.00	1679	02/02/2016
				812014504	000220	02/24/2016	10.000	12.50	125.00	1679	02/02/2016
				812014527	000000	02/24/2016	10.000	12.50	125.00	1679	02/02/2016
		Subtotal for Material 10006741				34.000		425.00			
		10006742	SHINK WAFFER	812014394	000140	02/24/2016	14.000	12.00	168.00	1679	02/02/2016
				812014504	000030	02/24/2016	10.000	12.00	120.00	1679	02/02/2016
				812014527	000040	02/24/2016	10.000	12.00	120.00	1679	02/02/2016
		Subtotal for Material 10006742				34.000		408.00			
		10009554	THIRD HEMISPHERE	812014384	000150	02/24/2016	7.000	130.00	910.00	1679	02/02/2016
				812014504	000040	02/24/2016	7.000	130.00	910.00	1679	02/02/2016
				812014527	000040	02/24/2016	7.000	130.00	910.00	1679	02/02/2016
		Subtotal for Material 10009554				21.000		2,730.00			
		10073292	MIL-CV8 5, 5/2B BFG	812014384	000090	02/24/2016	50.000	25.05	1,253.00	1679	02/02/2016
		Subtotal for Material 10073292				50.000		1,253.00			
		10197135	(FESS06-12-01) 150 BBL TANK 18" dia x 64"	812006450	000020	02/22/2016	1.000	96.25	96.25	1763	02/02/2016
		Subtotal for Material 10197135				1.000		96.25			
		10197216	(FESS06-35) 27" dia x 10"	812006450	000070	02/22/2016	1.000	0.00	0.00	1763	02/02/2016
		Subtotal for Material 10197216				1.000		0.00			
		10198690	SCIN, ZERRICK 500, 34", NPT 140, 50	812014486	000010	02/24/2016	8.000	330.53	2,644.24	1763	02/02/2016
		Subtotal for Material 10198690				8.000		2,644.24			
		10213634	SEPA ASH LIGHT, 50 LB, AVG	812014394	000010	02/24/2016	30.000	13.22	396.60	1679	02/02/2016

RECEIVED
 OFFICE OF OIL AND GAS

MAR 09 2016

03/11/2016

251R T04050000000100
 1000000000000000
 SUPPLY RECORD

EVER HILLES
 Detail Bill Temp by Material

Page: 2
 Date: 02/25/2016
 Time: 16:50:29

Sales Organization: 1030 BH Oilfield Ops
 Division: 20 Baker Hughes Inteq
 Plant: 01040176 KEG 204

Customer	Customer Name	Material	Material Description	Delivery	Item	Ship Date	Quantity	Unit Price	Extended Price	Plant Invoice No	Invoice Date
		Subtotal for Material 10233634					30.000		395.60		
		10233628	SPINDLE SHAPER PLATE	812006450	000010	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
				812006450	000010	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
		Subtotal for Material 10242528					2.000		0.00		
		10243257	SPINDLE SHAPER PLATE	812006450	000020	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
		Subtotal for Material 10243257					1.000		0.00		
		10243363	SPINDLE SHAPER PLATE	812006450	000010	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
		Subtotal for Material 10243363					1.000		0.00		
		10243421	SPINDLE SHAPER PLATE	812006450	000010	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
				812006450	000010	02/22/2015	1.000	0.00	0.00	1763	02/09/0000
		Subtotal for Material 10289024					2.000		0.00		
		10291656	MIL-DR 410, 3000 LB BKG	812014384	000120	02/24/2015	3.000	459.35	1,378.05	1679	02/02/0000
				812014527	000010	02/24/2015	10.000	459.35	4,593.50	1679	02/02/0000
		Subtotal for Material 10291656					13.000		5,971.55		
		10437385	EXPANDED SPRT, 3000 LB BKG	812014504	000010	02/24/2015	10.000	411.69	4,116.90	1679	02/09/0000
		Subtotal for Material 10437385					10.000		4,116.90		
		N0020025P	EXPANDED SPRT, 3000 LB BKG	812014384	000010	02/24/2015	40.000	142.68	5,707.20	1679	02/09/0000
		Subtotal for Material N0020025P					40.000		5,707.20		
		N0746005P	MIL-DR 1M, 50 LB BKG	812014384	000050	02/24/2015	36.000	164.85	5,934.60	1679	02/02/0000
		Subtotal for Material N0746005P					36.000		5,934.60		
		N0753005P	MIL-DR 50 LB BKG	812014504	000070	02/24/2015	50.000	64.91	3,245.50	1679	02/02/0000
		Subtotal for Material N0753005P					50.000		3,245.50		
		N1342005P	MIL-DR 5 GAL CNV	812014384	000020	02/24/2015	16.000	107.03	1,712.48	1679	02/02/0000
		Subtotal for Material N1342005P					16.000		1,712.48		
		N2015005P	X-CITE 102 5 GAL	812014384	000050	02/24/2015	16.000	142.68	2,282.88	1679	02/02/0000
		Subtotal for Material N2015005P					16.000		2,282.88		
		N3384005P	MIL-DR 50 LB BKG	812014384	000100	02/24/2015	50.000	36.03	1,801.50	1679	02/02/0000
		Subtotal for Material N3384005P					50.000		1,801.50		
		N3750005P	MIL-DR 5 GAL CNV	812014384	000050	02/24/2015	16.000	79.15	1,266.40	1679	02/02/0000

RECEIVED
 OFFICE OF OIL AND GAS

MAR 09 2016

03/11/2016

MR IPANGORIKEN NW
 ACP490/SH/100
 SHW_PRCG

BVER HDES
 Detail Well Req by Material

Page: 3
 Date: 02/25/2016
 Time: 16:50:29

Sales Organization: MBO
 Division: 20
 Well: 61848176

SH Oilfield Op:
 Bver High INEQ
 KING 201

Customer	Customer Name	Material	Material Description	Delivery	Item	Ship Date	Quantity	Unit Price	Extended Price	Plant	Invoice No	Invoice Date
		Subtotal for Material: N079000553					25.000		1,250.56			
		N06010032P	MIL-LINE, 50 LB BFG	812314304	00030	02/24/2016	25.000	16.72	418.00	1675		02/00/0000
		Subtotal for Material: N06010050P					25.000		418.00			
		N06100065P	STEELM HIGHSTRENGTH 50 LB BFG	812314384	00010	02/24/2016	49.000	24.46	1,199.52	1675		02/00/0000
		Subtotal for Material: N06100065P					49.000		1,199.52			
		Subtotal for Customer: 61848176					506.000		40,877.29			
		Total for the Well: 61848176					506.000		40,877.29			

RECEIVED
 OFFICE OF OIL AND GAS

MAR 09 2016

03/11/2016