FORM IV-2 (Obverse) (Revised 3-81)



Well	No.	5,	Serial	No09	9327	1
Farm	Kan	awha.	Valley	Bank		
API	#47 -	039	-3860			
Date	Apr	il 2	0, 1982			

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /	
	derground storage / Deep X / Shallow /
LOCATION: Elevation: 2094.7 Waters	hed: Ten Mile Fork of Cabin Creek of Kanawha Rive Kanawha Quadrangle: Dorothy
WELL OPERATOR Ashland Exploration, Inc. Address P. O. Box 391 Ashland, KY 41114	DESIGNATED AGENT Forrest Burkett Address P. O. Box 156 Brenton, WV 24818
OIL AND GAS ROYALTY OWNER Kanawha Valley Bank, et al Address Box 1973	COAL OPERATOR Bethlehem Mines Corporation Address Box 4108
Charleston, WV 25326 Acreage 5626	Charleston, WV 25304
SURFACE OWNER Kanawha Valley Bank, et al Address Same as above	COAL OWNER(S) WITH DECLARATION ON RECORD: NAME Kanawha Valley Bank, et al Address Same
Acreage 550+	NAME
FIELD SALE (IF MADE) TO:	Address
Address	COAL LESSEE WITH DEGLARATION ON RECORD: NAME Bethlehem Alles Crossaturn D Address Same as above
OIL AND GAS INSPECTOR TO BE NOTIFIED:	APR 2.1 1982
NAME Martin Nichols Address P. O. Box 554 Clendenin, WV 25045	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
The undersigned well operator is entired above location under a deed / lease X to thexandensingned well-compensation from Kan United Producing Co., Inc. (If said deed, lease, or other contract has	
Recorded on October 13 , 1956 , in the of	
Raleigh County, West Virginia, in	Deed Book at page 425 . A permit is
PROPOSED WORK: Drill \underline{x} / Drill Deeper Plug off old formation	/ Redrill / Fracture or stimulate X / / Perforate new formation /
Other physical change in	
The above named coal operator, coal owner(sobjection they wish to make or are required Department of Mines within fifteen (15) day Copies of this Permit Application and the emailed by registered mail or delivered by h	he work order on the reverse side hereof. a), and coal lessee are hereby notified that any less to make by Code \$22-4-3 must be filed with the safter receipt of this Application by the Dept. Inclosed plat and reclamation plan have been and to the above named coal operator, coal ownly of the mailing or delivery of this Application lest Virginia.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	ASHLAND EXPLORATION, INC.
	y: John & Bentutt
1613 WASHINGTON ST., E. CHARLESTON, WV 25311 Telephone - 304/348-3092	John H. Burtnett Regional Civil Engineer

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN)	Ray Re	source	es Drillin	g Company		
Address	630 Co	mmerc	e Square			
	Charle	ston,	WV 2530	1		
GEOLOGICAL TARGET FORMATION Estimated depth of complete Approximate water strata de Approximate coal seam depth Is coal being mined in this	pths: F s: 665'	6759 resh,	feet	_feet; s	y X / Cabl alt, Top of Salt Sa	feet.
CASING AND TUBING PROGRAM CASING OR SPECIFICA TUBING TYPE Weigh	t			Left in	CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
Conductor 13 3/8 H40 48.00			40'	40'	25 sks	Kinds
Fresh water:					D. F. T. T.	16:
Coal			007)	2274	Circ. to su	Sizes
Intermed. 18 5/8 K55 24.00 Production 14 1/2 K55 10.50			2274 6759	6759		
Production 4 1/2 K55 10.50			0179	01//	110 110000	
Liners						Perforations:
						Top Bottom
					2.7	
- 50 50 7C 65 150 9C 84	1 30		<u></u>			
e 10-9, "Reclamation of 1-12b and Regulation of 1-12b and Regulation of 1-12b and Regulation of 1-2-4-12 and well. A separate Form IV-2 shows refracturing or stime of 1-2 and 1-3 noted as a separate of 1-2-4-12 and 1-3 noted as a separate of 1-3-4-12 and 1-3-4-12 a	n 23, (in 12a, and of any national not in mulating such on	o) uni (v) i vater be rec is t the F	less previ if applica well or d quired for o be part orm IV-2 f	custy paralle, the hostling of fractur of the willed in	id on the sar consent requirement requirement for stimu or stimu ork for whice connection t	me well, the fee uired by Code eet of the pro- lating a well h a permit is herewith.
The undersigned coal operator location has examined this properties of the well location, the signed has no objection to the well operator has complied with the governing regularions.	recorded fifteen / owr oposed we e well lo	a da (15) WAL mer cocation	claration days of no VER Versee cation. on has bee	/ of If a mine n added	the coal under map exists to the mine which is location	der this well which covers the map. The under-
Date:, 19			-			
han ber			By:			
			tc.	Later Pa		

CAPITOL SOIL CONSERVATION DISTRICT FEBRUARY 9, 1982

1422 Federal Building 500 Quarrier St.

Charleston, WV 25301 WELL SITE: #5, SER. #093271

ASHLAND EXPLORATION, INC. BOX 391, Ashland, Ky. 41114

Stephen N. Parks (606 - 329 - 3682)

QUADRANGLE: DOROTHY

LANDOWNER: KANAWHA VALLEY BANK, ETAL.

PLAN RECEIVED BY CAPITOL SCD ON: JANUARY 28, 1982, by CERTIFIED

MAIL NO. AO-1838.

PLAN REVIEWED BY: Michael L. Edwards, Agent for Capitol SCD, on FEBRUARY 6, 1982.

RECLAMATION PLAN COMMENTS:

- (1) ACCESS ROAD Existing conditions and plans for reclamation (if needed) of the existing access road should be stated on the sketch. The sketch should show access from the nearest state or county road to the location.
- (2) ACCESS ROAD STRUCTURE (A) DITCH RELIEF CULVERTS Spacing of culverts 300 to 500 feet @ 2-5% road grade. Page Ref. Manual 2-5 and 2-6, Table 4.
- (3) ACCESS ROAD STRUCTURE (B) DRAINAGE DITCHES Page Ref. Manual 2-10.
- (4) ACCESS ROAD STRUCTURE (C) HEADWALLS The material of construction of the headwalls should be specified. Page Ref. Manual 2-12, Figure 7.
- (5) LOCATION STRUCTURE (1) DIVERSION DITCH Page Ref. Manual 2-10.
- (6) SKETCH Should show the cut and fill areas around the location.
- (7) COMMENTS Topsoil should be scalped from the disturbed area, stockpiled and utilized for topdressing after the site is regraded.

RECEIVED

APR 2 1 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

NOTE: ALL COMMENTS SHOULD BE STUDIED SO THEY WILL NOT BE REPEATED ON FUTURE PLANS.

R. C. alfora

R. C. ALFORD, CHAIRMAN CAPITOL SCD BOARD OF SUPERVISORS

Office of Oil & Gas, WV Dept. of Mines Michael Edwards, Agent for Capitol SCD

02/16/2024



TV-9 Revised 11-81

DATE Jan 26, 1982 WELL NO. \$5 - 521 # 093271 API NO. 47 - 039 - 3860

State of Best Ninginia

Bepertment of Mines Oil and Cas Adrision

•	
CONSTRUCTION AND RECT	ANAUTION PLAN Forrest Burkett
COMPANY NAME Ashland Exploration, Inc DE	
Address Box 391 Ashland Ky 4114	Address Box 156 Brenton WVa 24818
Telephone (606) 329-3682	Telephone (304) 732-6677
LANDONER Kanawha Valley Bairk, et al	SOIL CONS. DISTRICT Capital
Revegetation to be carried out by Ashlano	Exploration, Inc (Agent)
This plan has been reviewed by CAPIT	사람이 있는 그렇게 하는 것들은 것이 하는데, 그는 그렇게 하는 그렇게 하는데, 그 그리고 하는데 그를 가게 하는데 가게 되었다. 그는 것이 없는데 이 사람이 없는데 그렇게 되었다.
and additions become a part of this plan:	FEB 9 1982 .
	(etaci)
4.3	(SCO Apent)
A A A ROTTER DON'T	TOCATION
Ditch Reliencess ROAD	Structure Diversion Ditch (1)
structure Culvert- Steel (A)	
spacing 500' Spacing- See detail for sizes.	Material Earth
Page Ref. Margual 24.27	Page Ref. Marrial 255 2-10
Structure Drainage Ditch (B)	Structure Drilling Pit (2)
specing Per Sketch	Material Earth lined & treated if necessary
	Paga Raf. Mammal
Paga Raf. Marmal 2-6-2-10	
structure Headwalls (C)	Structure (3)
spacing Per Sketch	Material
Page Ref. Marmal 24.0.4 Fgg. 7	Paga Ref. Manual
111 atmosphere should be immented nomitoril	y and repaired if necessary. All
commercial timber is to be cut and stacked and cut and removed from the site before dirt wor	d all brush and shall timber to be
cut and removed from the site before during the	
KOVECKYATI	ON .
Treatment Area I (Access Rd)	Treatment Area II (Location)
Line 3 Tons/acre	Lime 3 Tras/acre
or correct to pH 6.5	or correct to pH 6.5
Fertilizer 500 lbs/acrs (10-20-20 or equivalent)	Fertilizer 500 Ibs/acre (10-20-20 or equivalent)
Mulch Straw 2 Tons/acre	Mulch Straw 2 Tons/acre
Seed* Ky 31 Tall Fescue 20 lbs/acra	Seed* Ky 31 Tall Fescie 20 lbs/acre
Creeping Red Fescue 20 1bs/acre	Creeping Red Fescue 201balacra
Redtop 5 lbs/acre	Redtop 5 lbs/acre
*Inoculate all legumes such as vetch, trefoil	and clovers with the proper bacterium.
Inoculate with 3X recommended amount.	-10000
PLAN PR	EPARED BY Stophen 11. Pares
NOTES: Please request landowners'	ADDRESS POBOX 391 Holland
cooperation to protect new seedling for one growing season.	Ky 4/1/4 . 02/16/2024
Attach separate sheets as	PHONE NO. (606) 329-3682

(Revised 3-81)



Farm Kanawha Valley Bank et al
API #47 - 039 Date April 20, 1982

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES OIL AND GAS WELL PERMIT APPLICATION WELL TYPE: 011 / Gas X / (If "Gas", Production X / Underground storage / Deep X / Shallow Watershed: Ten Mile Fork of Cabin Creek of Kanawha River LOCATION: Elevation: 2094.7 County: Kanawha Quadrangle: Dorothy District: Cabin Creek DESIGNATED AGENT Forrest Burkett WELL OPERATOR Ashland Exploration, Inc. Address P. O. Box 156 Brenton, WV 24818 Address P. 0. Box 391 Ashland, KY \ 41114 OIL AND GAS ROYALTY OWNER Kanawha Valley Bank, et al COAL OPERATOR Bethlehem Mines Corporation Box 4108 Address Address Box 1973 Charleston, WV Charleston, WV 25304 . 25326 Acreage 5626 COAL OWNER(S) WITH DECLARATION ON RECORD: SURFACE OWNER Kanawha Valley Bank, et al Kanawha Valley Bank, et al Address Same Address Same as above NAME Acreage 550+ Address FIELD SALE (IF MADE) TO: NAME COAL LESSEE WITH DECLARATION ON RECORD: Address NAME Bethlehem Mines Corporation Address Same as above OIL AND GAS INSPECTOR TO BE NOTIFIED RECEIVED Martin Nichols Address P. O. Box 554 Clendenin, WV 25 Telephone (304) 548-6993 MAY - 4 1982 OIL AND GAS DIVISION WY DEPARTMENT OF MINES The undersigned well operator is enfittled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated Feb. 15, 1956, to thexamodenosingnosotowerkhamonenosom from /Kanawha Valley Bank, et al United Producing Co., Inc. (If said deed, lease, or other contract has been recorded:) with a contract has been recorded:) Recorded on October 13 , 1956 , in the office of the Clerk of County Commission of El MOTTA 25 In County, West Virginia, in Deed Book $^{\Lambda}$ at page $\frac{425}{}$ A permit is requested as follows: PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate X / Plug off old formation / Perforate new formation / Other physical/change in well (specify) --planned as shown on the work order on the reverse side hereof. The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

O2/16/2024

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E. CHARLESTON, WV 25311 Telephone - 304/348-3092

	ASHLAND EXPLORATION, INC.	
	7 b Well Operator	
6	phan 11 Min till	
By:	TIMI H. A JUNION	
	John H. Burtnett	
lts:	Regional Civil Engineer	

FORM TV-4 (Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR	(IF KNOWN)_	Ray Resources Drilling Company
	Address_	630 Commerce Square
	_	Charleston, WV 25301

GEOLOGICAL TARGET FORMATION

Distribution List

Huntington Trust & Savings Successor-Trustee for Marion E. Holland Trust P. O. Box 2087 Huntington, WV 25721

The Kay Company 820 Virginia Street, East Charleston, WV 25326 Attn: J. K. Thomas, President

Mr. Harvey A. Ford 5406 Riverhills Dr. Temple Terrace, FL 33617

Mrs. Frances Polan Einstein 519 11th Avenue Huntington, WV 25701

Mr. Howard James, Exec. 0/E/O May C. James 2793 Bristol Pike Bensalem, PA 19020

Mr. J. E. Wildey Manager of Mines Bethlehem Mines Corp. Box 4108 Charleston, WV 25304 IV-35 (Rev 8-81)



State of Mest Birginia

Pepariment of Mines
Oil und Gas Pivision

Date	10/12	/82		
Operat	or's			
Well 1	No	5		
Farm	Kanawha	Vall	ey Ba	an k
API No	0. 47 -	039	_	3860

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	/ Waste	e Disposa e / Deep	1/ p_X/ Sha	illon · /)
LOCATION: Elevation: 2094.7' Watershed Ten	mile Fork	of Cabin	Creek of	Kanawha Riv
District: Cabin Creek County Kanaw	ha (Quadrangle	e Doroth	у
COMPANY Ashland Exploration, Inc.	*			
ADDRESS P. 0. Box 391, Ashland, Ky. 41114	Casing	Used in	Left	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Box 156, Brenton, WV 24818	Size		THE WELL	Cu. It.
SURFACE OWNER Kanawha Valley Bank, et al	20-16			
ADDRESS Box 1973, Charleston, WV	Cond. 13-103/8	2/1	2/1	15 .
MINERAL RIGHTS OWNER Kanawha Valley Bank, etal	9 5/8	24"	241	15 sks.
ADDRESS Box 1973, Charleston, WV	8 5/8	2315'	2315'	450 sks
OIL AND GAS INSPECTOR FOR THIS WORK Martin	7	2313	2313	430 SKS
Nichols ADDRESS Clendenin, WV	5 1/2			
PERMIT ISSUED 4/12/82	4 1/2	6819 '	6819'	220 -1
DRILLING COMMENCED 6/26/82	3	0019	0019	230 sk s
DRILLING COMPLETED 7/18/82	2 3/8"	<i>i</i>	6454	Pkr @3696'
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR				1 KZ (5050
RE-ORKING. VERBAL PERMISSION OBTAINED	Liner s used			
ON				
GEOLOGICAL TARGET FORMATION Marcellus		Dept	h 6759	feet
Depth of completed well 6820 feet R	otary XX	_/ Cable	Tools	
Water strata depth: Freshfeet;	Salt 1730'	feet		
Coal seam depths: 665'	Is coal b	eing mine	d in the	area? No
OPEN FLOW DATA			5459-66	36
Producing formation Devonian Shale & Gordon	Pay	zone dept		
Cas: Initial open flow Mcf/d	Oil: Init	ial open	flow	Bbl/d
Final open flow 297 Mcf/d	Fina	d open fl	.cw	Bb1/d
Time of open flow between initia	al and fin	al tests	3 hou	
Static rock pressure 457 psig(surface	measureme	nt) after	48 hour	s shut in
(If applicable due to multiple completion-	-)		02/	16/2024
Second producing formation Middle Weir	Pay	zone dept	h 3507-35	20 feet
Cas: Initial open flowMcf/d	Oil: Init	ial open	flow	Rbl/d
Final open flow 789 Nof/d	Dil: Fina	l open fl	OM_	Bb1/d
Time of open flow between initia		-		
Static rock pressure 473 psig(surface)	reasureren	t) after_	48 hour	s shut in
		Contin		

Janaulus 3860

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STITULATING, PHYSICAL CHANGE, ETC. 1st Stage - Perf Devonian Shale 39H/6278-6636, Waterfrac w/20#/1000 gal gel system, ATP 2181, 38 B/M ATP, MTP 3600#, ISIP 3600#, 15 min 200#, 4,400# sand.

ATP 2181, 38 B/M ATP, MTP 3600#, ISIP 3600#, 15 min 200#, 4,400# sand.

2nd Stage - Perf Devonian Shale 40H/5459-5808 - Foam frac w/1000 gal 28% HCl. BD @ 1000#,

ATP 3200#, SI @ 1600#, 15 min 1400#, ATR @ 40 B/M - TSLF 176 bbl, TL&FW 221 bbl.

(75 Quality foam.)

3rd Stage - Perf Gordon 16H/4093-4106 - Faom frac w/75 Quality foam, 500 gal 15% HCl acid, 30,000# 20/50 sand, 182 MCFN2, ATP 1200# @ 20 B/M. BD @ 1100#, ISIP 700#, 15 min 600#. TL&FW 155 bbl., TSLF 104 bbl.

4th Stage - Perf Middle Weir 16H/3507-3520-Foam frac w/75 Qualtiy foam, 30,000# 20/50 sand, 276 MCFN2, ATR 20 B/M, BD @ 1000#, ATP 1350#, ISIP 1100#, 15 min 900#. TL&FW 153 bbl., TSLF 104 bbl.

Completed as dual gas producer w/total initial potential @ 1086 MCF/D. Gordon & Devonian Shale (297 MCF/D) and M. Weir WELL LOG (789 MCF/D)

DONALD			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fre
	1		and salt water, coal, oil and
Sand	0.	202	
Shale & Sand	202	523	
Shale .	523	690	Gas test @
Sand	690	850	3654' no show
Shale	850	892	3904' - 419 MCF/D
Sand & Shale	892	1140	4155' - 375 MCF/D
. Shale	1140	1280	4651' - 554 MCF/D
Sand	1280	1328	5129' - 547 MCF/D
Shale	1328	1378	5649' - 325 MCF/D
Sand	1378	1633	6150' - 430 MCF/D
Shale	1633	1730	6650' - 430 MCF/D
Salt Sand	1730	2280	TD - 325 MCF/D
Shale	2280	2360	
Ravencliff	2360	2409	
Shale	2409	2416	
Avis Limestone	2416	2443	
Shale	2443	2524	Sortal Control
Upper Maxton	2524	2589	100 ME 1/20
Shale	2589	2632	
Middle Maxton	2632	2677	
Shale	2677	2908	the state of the s
Lower Maxton	2908	2932	
Shale	2932	2970	
Little Lime	2970	3054	Service and
Pencil Cave	3054	3062	
	3062	3375	MANAGET OF THE STATE OF THE STA
Big Lime Shale	3375	3475	The second secon
· ·	3475	3555	
Middle Weir	3555	3559	The same of the sa
Shale	3559	3623	was the same
Lower Weir	3623	3856	
Shale	3856	3876	1000 1000 1000 11000
Coffee Shale	3876	3918	
Berea			
Devonian Shale	3918	4091	
Gordon	4091	4107	
Devonian Shale	4107	6812	*
Onondaga Ls.	6812	6852*	*
	1	1 1	

*LTD 6852' DTD 6820'

(Attach separate sheets as necessary)

	ATION, INC.
Well Operator	
By: David 3.	02/16/2024
Date: October 12, 1	82

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including eval, encountered in the drilling of a well."

OG-11

Permit No. 47-039_3860

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

RECEIVED

JUL 1 9 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

	(KIND)				
Company Ashland Euploration, 44	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	
Address Ashleyd Ky	Size				
Farm Kungwho Valley Back	16	15	15-	Kind of Packer	
Well No. 5-Serial no-093271	10	10	70	Size of	
District Cabin C1-eck County Kanawha	81/28	2305	2305	4	
Drilling commenced 6-26-82	65/8		A	Depth set	
Drilling completed 7-1562 Total depth 6820	5 3/16			Perf. top	
Date shotDepth of shot	2			Perf. bottom	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. in Inch				Perf. bottom	
VolumeCu. Ft.				5 No. FT. 7-//- 82 Date	
Rock pressure lbs hrs.	NAME OF SER	VICE COMPA	NY Hali	burton	
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES	

Drillers' Names.

Remarks:

Salt water.

Cemented with 350 Boy 6% Jell- 100 Bugs neat FLogging Well

FEET

INCHES

feet

feet

7-16-82

Martin B. 20219612024

FEET

INCHES

INCHES

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS				
ARM		DISTRICT	C	OUNTY			
lling Material Used							
iner Loc	ation	Amount	Packer	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
	6725 27		A STATE OF S				
			\$ 2.2.	1.7.	X		
			252				
				in diaminum.			
					grand or o		
2118	64						
				20000			
illers' Names							
emarks:							

I hereby certify I visited the above well on this date.

02/16/2024



State of West Virginia

Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT May 22, 1984



#5

	May 22, 1984					
COMPANY	Ashland Exploration, Inc.	PERMIT NO _		039-3860	(4-8	32)
P. 0.	Box 391	FARM & WELL	NO .	Kanawha	Valley	Bank
Ashla	nd, Kentucky 41114	DIST. & COU	NTY	Cabin Cr	eek/Ka	nawha
			TM	COMPLIAN	CE	
RULE	DESCRIPTION		YES	COM LIAN	NO .	
23.06	Notification Prior to Starting Work				210	
25.04	Prepared before Drilling to Prevent Wa	ato.				
25.03	High-Pressure Drilling	.ste				
16.01	Required Permits at Wellsite	-				
15.03	Adequate Fresh Water Casing					
15.02	Adequate Coal Casing					
15.01	Adequate Production Casing					
15.04	Adequate Cement Strenght					
15.05	Cement Type					
23.02	Maintained Access Roads					
25.01	Necessary Equipment to Prevent Waste	-				
23.04	Reclaimed Drilling Pits	-				
23.05	No Surface or Underground Pollution					
23.07	Requirements for Production & Gatherin	g Pipelines				
16.01	Well Records on Site			-		
16.02	Well Records Filed					
7.05	Identification Markings					34
I HAVE IN	NSPECTED THE ABOVE CAPTIONED WELL AND R	ECOMMEND THAT	TIT	BE RELE	ASED:	
		SIGNED *	od	Die	low	
		DATE	010	17/8	4	
with Chap	record was received and reclamation roter 22, Article 4, Section 2, the above for the life of the well.					ance

Administrator-Oil & Gas Division

July 19, 1984 DATE

1.0 API well number: (If not available, leave blank, 14 digits.)			47-039-386	. 0	
2.0 Type of determination being sought:		103			
(Use the codes found on the front of this form.)		Section of NG	PA	Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	Ye i	lamak; -	6820	feet -	the state of the s
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name	and Explora	ation, Inc	**************************************	023608 Seller Code
dance as	Street Ashla City	ind	K)	Z 41114 Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Paint Field Nam Kanav County		a to Common sh	WV State	
(b) For OCS wells:	N/A	Date of Leas	e: ve daestroop	Block Number	un un eren er
(c) Name and identification number of this well: (35 letters and digits maximum.)	Kanas	wha Valley	Bank #5	- 093271	The second secon
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)		4562 (%)	4.931	to netting	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Colum Name	mbia Gas T	ransmissi	on Corp.	004030 Buyer Code
(b) Date of the contract:			01313101 Mo. Day	6,0, Yr.	
(c) Estimated annual production:	3	1 2 3	29	MMcf.	
		(a) Base Price (\$/MMBTU)	(b) Tax 12%	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)		2.234	0.268	+ <u>0</u> . <u>0</u> <u>1</u> <u>0</u>	2.5_1_2
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)		2.6 9 8	0.323	+0.010	3.0.3.1
9.0 Person responsible for this application: Agency Use Only Date Received by Juris 9829 Date Received by FERC	Signature	thy A. Level and A	vis (Jatural Gas Compliance Title (606) 329-4	

FT7900806/2-2

n.l.	DATE: MAR'101983	BUYER-SELLER (
PARTICIPA		023608
WEILL OP		
FIRST P	urchaser: Columbia Gas Trans. Corp.	004030
OTHER:	(500'	
	Department of Mines, Oil & Gas Division L DETERMINATION FILE NUMBER	
821	110-103-039:3860 QUALIFIED	>
. Uso Ab Rela	ting to Determination of this Well	
	CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
ITEM NO.	· I · · · · · · · · · · · · · · · · · ·	
1.	FERC -121 Items not completed - Line No	
. 2.	IV-1 Agent Forrest Burkett	
.3.	IV-2 Well Permit ✓	
4.	IV-6 Well Plat	
5.	IV-35 Well Record / Drilling / Deepen	ing
6.	IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	Ratio
7.	IV-39 Annual Production years	
8.	IV-40 90 day Production Days off line:	
9.	IV-48 Application for certification. Complete?	
10-17.	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?	
10-17. 18-28.	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Complete? / Other: Survey Logs Geological Charts Structure Map 1: 4000 Map Well Gas Analyses Well	
18-28.	Other: Survey Logs Geological Charts Structure Map 1: 4000 Map Well Gas Analyses	Tabulations
18-28.	Other: Survey Logs Geological Charts Structure Map 1: 4000 Map Well Gas Analyses Date commenced: 6-26-82 Date completed 7-18-82 Dec	Tabulations
18-28. (5)	Other: Survey Logs Geological Charts Structure Map 1: 4000 Map Well Gas Analyses Date commenced: 6-26-82 Date completed 7-18-82 Dece Production Depth: 5459-6636 4193-4106	Tabulations
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STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

STATE APPLICATION FOR WELL CLASSIFICATION

ate	November	10	19 82
pera	ator's	71	

API Well No. 47 - 039 County

Previous File No. (If Applicable)

WELL OPERATOR ASHLAND EX	201	
ADDRESS P. O. BOX		ADDRESS P. O. BOX 156
ASHLAND, H		Brenton, WV 24818
Gas Purchase Contract No.	6257 and	Date 3/30/60 (Month, day and year)
Meter Chart Code N/A		
	olumbia Gas Ti .O. Box 1273	ransmission Corp.
Cl	narleston, WV	25325
(Cit	y) (S	(Zip Code)
FERC Seller Code 023608		FERC Buyer Code 004030
TYPE OF DETERMINATION BEING SO	OUGHT:	103
recovery technology. (3) Determination of a se	easonally affected w	vell.
		Paul W. Sturm Region Manager
		Name (Pring)
		Signature
W1 W 11 -	1- "5	P.O. Box 391
Kanawha Valley Bar	nk #5	Ashland, KY 41114
		City State (Zip Code)
		606 329-5738 Area Phone Number
Contificate of Broof of Commi	las es Pousbasses	
(Certificate of Proof of Servi	ice to Purchaser)	
(Certificate of Proof of Servi	ice to Purchaser)	
(Certificate of Proof of Servi	ice to Purchaser)	
(Certificate of Proof of Servi	ice to Purchaser)	
(Certificate of Proof of Servi	ice to Purchaser)	
All of the above to be comple	eted by the Operator	/Applicant)
(All of the above to be comple	eted by the Operator	
(All of the above to be completed by Jurisdiction of known). The Department of the requirement of the completed by Jurisdiction of the complete of the comple	onal Agency. Executors of Mines has received the of Section on that increased points.	/Applicant) ted copy to be returned to Operator/Applicant and d a request, ☐ for certification of the above describe under the Natural Gas Policy Act of 1978,
(All of the above to be completed by Jurisdiction of the Department of the Completed as meeting the requirement (NGPA); [I or for determination of the Oil and Gas in the office of the Oil and Gas	onal Agency. Executors of Mines has received the of Section on that increased property or for determinations are hereby notification in Charless	/Applicant) ted copy to be returned to Operator/Applicant and d a request, for certification of the above describe under the Natural Gas Policy Act of 1978, roduction is the result of enhanced recovery technology tion of a seasonally affected well under Section 108 of ied that on the day of 19, at ton, West Virginia, or as soon thereafter as it may
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(All of the above to be completed by Jurisdiction of the completed by Jurisdiction of the complete of the comp	onal Agency. Executors of Mines has received the of Section on that increased property or for determination or for determination in Charlest chearing, if requestassigned File No. Information submitted that the Maill be made at the time of the section of the se	/Applicant) ted copy to be returned to Operator/Applicant and d a request, for certification of the above describe under the Natural Gas Policy Act of 1978, roduction is the result of enhanced recovery technology tion of a seasonally affected well under Section 108 of ited that on the day of 19 may sted, or if objection is filed. indicates the well is is not trural Gas Policy Act (NGPA). A review of this evidence ime appointed for a public hearing or as soon thereafter request for a hearing is made within fifteen (15) te motion of the department and the matter will
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ADDRESS

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's 093271

KANAWHA VALLEY BANK #5

API Well No. 47 - 039 3860 | County | Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

MGPA Section 103

DESIGNATED AGENT Forrest Burkett

P. O. Box 156
Brenton, WV 24818

WELL OPERATOR Ashland Exploration, Incocation: Elevation 2094.7

Watershed Tenmile Fork of Cabin Cr. of Kanawha

Dist Cabin Crcount, Kanawha Quad Dorothy River

Gas Purchase Contract No. 6257

Meter Chart Code N/A

Date of Contract 3/30/60

Date surface drilling was begun:

ADDRESS_ P.O. Box 1273

P. O. Box 391

Ashland, KY

GAS PURCHASER Columbia Gas Trans.

Charleston, WV

6/24/82

Indicate the bottom hole pressure of the well and explain how this was calculated:

41114

2532**5**

SIP: 473 psi (487.7 poia) Mio point = 3514 KB BHD= ,25 (487.

BHP= .25 (487.7 x 3514) + 487.7= 530.54ps

WEIR

AFFIDAVIT

I. Paul W. Sturm , having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after rebruary 19. 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing as in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Saul W. Shirm

COUNTY OF BOYD . TO WIT:

I. Sheri S. Tacket, ta Notary Public in and for the state and county aforesaid, do certify that Paul W. Sturm, whose name is signed to the writing above, bearing date

the 10 day of November , 1982, has acknowledged the same before me, in my county aforesaid.

Civen under my hand and official seal this 10 day of November , 1982.

My term of office expires on the 19 day of March . 1986 .

INOTARIAL SEAL!

Sheri S. Sacrett

02/16/2024



Ashland Exploration, Inc.

SUBSIDIARY OF ASHLAND OIL, INC.

P. O. BOX 391 • ASHLAND, KENTUCKY 41101 • [606] 329-3333

EASTERN REGION

CERTIFICATE OF SERVICE

I hereby certify that I have this day served Form IV-48 WC (state application for well classification) of the state of West Virginia Department of Mines, Oil and Gas Division, on the purchaser of gas attributable to this application by certified mail, return receipt requested in accordance with the requirements of the West Virginia Administrative Regulations.

Dated at Ashland, Kentucky, this 10 day of November, 19 82.

Paul W. Sturm

Region Manager

For

Ashland Exploration, Inc.

	DATE: MAR 10 1983	BUYER-SELLER CODE
WELL OP	NTS:	023608
	Purchaser: Columbia Gas Trans. Corp.	004030
	Uncommitted	
OTHER:	Devenian Shale	
	Department of Mines, Oil & Gas Division L DETERMINATION FILE NUMBER	
821	110-107-039=3860 QI	JALIFIED
	ting to Determination of this Well	
	CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	S
ITEM NO.	There are completed line No. (A	71 40
	FERC -121 Items not completed - Line No	•
	IV-1 Agent Forrest Burket	
3.	IV-2 Well Permit ✓	
4.	IV-6 Well Plat	
	IV-35 Well Record Drilling	
6.	IV-36 Gas-Oil Test: Gas Only Was Oil Produced	Ratio
7.	IV-39 Annual Production years	
8.	IV-40 90 day Production Days off line	
9.	IV-48 Application for certification. Complete?	
10-17.	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _	
18-28.	Other: Survey Logs Geological Chap Structure Map 1: 4000 Map Gas Analyses	well Tabulations
(5)	Date commenced: 6-26-82 Date completed 7-18-1	82 Deepened -
	Production Depth: 5459-6636 4093-410	
(5)	Production Formation: Devenian Shale + Gordon	Weic
	Final Open Flow: 297 MCF	
(5)	u rath . Hel	
		had you
(6)		
(7)		
(8)		
	Line Pressure:	
	Oil Production: From Completion Report	
	Does lease inventory indicate enhanced recovery being done	
	Is affidavit signed? Notarized?	
	ficial well record with the Department confirm the submitte	•
	onal information Does computer program confi	rm!
Was Det	ermination Objected to By Whom?	wy - R

W.

PARTICIPANTS:

1.0. API well number: (If not available, leave blank. 14 digits.)	47-039-3860				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		107 Section of NO		De <u>vonian Sh</u> Category Code	ale
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	•	_	6820	feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name	Box 391	KY St		023608 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Pain Field Nam Kana County			WV	
(b) For OCS wells:	N/A Area Name	Date of Lea	ـ دك	Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Kana	wha Valle	y Bank #5	- 093272	91
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)		**		0932	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	N/A Name	5.			Buyer Code
(b) Date of the contract:			Mo. Day	Yr.	
(c) Estimated annual production:			27	MMcf.	9
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)			N/A		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)				G U L A T	
9.0 Person responsible for this application: Agency Use Only Date Received by Juris, Agency 101982 Date Received by FERC	Name Signature	ember 10,	wis c Leuns 1982 (Regulatory Coordinator

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date Novem	ber 10	82
Operator's Well No.	093272	211
API Well No 17 - State	039 9	3860

KANAWHA VALLEY BANK #5

WELL-CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE

MGPA Section 107

	DESIGNATED AGENT Forrest Burkett
	ADDRESS P. O. Box 156
•	Brenton, WV 24818
WELL OPERATOR Ashland Exploration, Inc ADDRESS P. O. Box 391	LOCATION Tenmile Fork of Cabin Cr. of Watershed Kanawha River
Ashland, KY 41114	DisCabin Crounty Kanawha Ouad Doroth
GAS PURCHASER N/A	Gas Purchase Contract No.
ADDRESS	Meter Chart Code N/A
	Date of Contract
6/26	187
Date surface drilling began:	
Indicate the bottom hole pressure of the well and	
510= 475 ps: (489.7 psix	
Mispoint = 5364	
BUD- 75 (489.7 V	5364)+ 489.7 = 555.37 poi
DIST - 100 1	100)
Brown Shale AFFIDA	WIT
the percentage of footage of the producing interval which less than 0.7 if a Gamma Ray log described subparagraph (3 port described in subparagraph (3)(ii)(B); I have demonstrate is equal to or less than five (5) percent of	first sworn according to law, state that, I have calculated is not Devonian shale as indicated by a Gamma Ray index of B)(i) or (3)(ii)(A) has been filed, or as indicated by the rerated that the percentage of potentially disqualifying nonfithe gross Devonian age interval; and I have no knowledge of inconsistent with a conclusion that the well qualifies as a
STATE OF KENTUCKY	
COUNTY OF BOYD TO WIT	
· Sheri S. Tackett	tary Public in and for the state and county aforesaid
do certify that Paul W. Sturm, whose na	
the 10 day of November , 19 82, has	acknowledged the same before me, in my county
aforesaid.	
Given under my hand and official se	al this 10 day of November . 1982.
My term of office expires on the	19 day of March 19 86
	Species Jackette
[NOTARIAL SEAL]	Notary Public

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

Operator:	Ashland Exploration, Inc.	Agent: For	rrest E. Burkett
Type Determi	ination being sought -	107 (Devonian	Shale)
API Well No.	: 039-3860	Well Name:	Kanawha Valley Bank No. 5
West Virgini References:	a Office of Oil and G	as County: Ka	anawha
Vol	Page Line		
I. NOTE:	A Gamma Ray Log has line, (b) a line report (c) intervals with Gamma Base Line) and that	resenting 0.7 x amma Ray units	(Shale Base Line), less than 0.7 x (Shale
II. Gamma	Ray elevation indices		님, 그는 작은 얼마를
	A. Shale Base Line	(API Units)	
	1. GR Value at i	Base Line = 15	0 * API Units
	Shown	n @ 3700'-3800'	
	B. Gamma Ray Log Va	lue at 0.7 x Va	lue at Base Line
	1. GR Value = 1 2. Calculation:	0.7 (GR Value	at Base Line) = 105 API Units
III. Interv	vals with GR index less	s than 0.7 x (V	alue at Base Line):
From**		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
3918'	6812'	2894'	13'
	•		
Tot	tal Devonial Interval	2894	
Total Less T	Than 0.7 (Shale Base)	*	13'
	0.7 (Chale Page Line)	- 13 × 100	= 0.4 7

*Marked on log included with analysis.

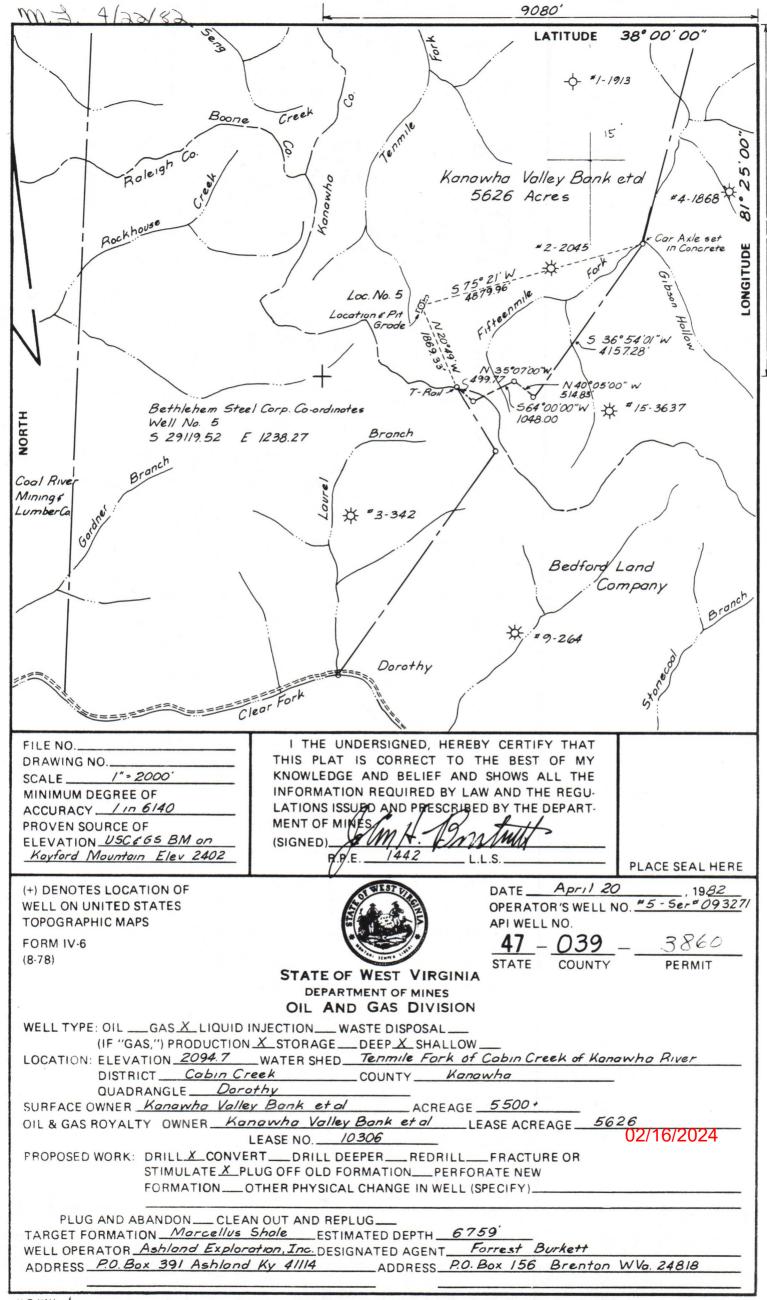
**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Bottom of Devonian Section Recorded as 1924 1674 244 al in this Column.

2894

Affect of the second of the se

SBEFOI VON







STATE OF WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION CHARLESTON 25305

April 26, 1982

Mr. Thomas E. Huzzey, Administrator Department of Mines Office of Oil and Gas

COMPANY:_	ASHLAND EXPLORATI	ON, INC.		_
FARM:	KANAWHA VALLEY BA	NK ET AL		_
COUNTY: _	KANAWHA	DISTRICT:	CABIN CREEK	

The application of the above company is APPROVED FOR MARCELLUS SHALE COMPLETION

(APPROVED - DISAPPROVED)

 $\frac{\text{Applicant}}{\text{HAS - HAS NOT}} \stackrel{\text{HAS}}{=} \frac{\text{complied with the provisions of Chapter twenty-two, Article}}{\text{Complied with the provisions of Chapter twenty-two, Article}}$

four-a, (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one (1931) as amended, Oil and Gas Conservation Commission, as follows:

- 1. Provided a certified copy of duly acknowledged and recorded consent and easement from all surface owners; Yes
- Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, **
- 3. Provided a plat showing that the proposed location is a distance of 1869 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3000 feet of the proposed location: None

47-081-0342 - 4700'

Very truly yours,

Thomas E. Huzzey Commissioner

FORM IV-2 (Obverse)

(Revised 3-81)



Serial No.-0932/1 Farm Kanawha Valley Bank et al API #47 - 039 - Date April 20, 1982

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

UIL AND GAS WEL	L PERMIT APPLICATION
WELL TYPE: 011 / Gas X /	
(If "Gas", Production X /	Underground storage / Deep X / Shallow /
	ershed: Ten Mile Fork of Cabin Creek of Kanawha Riv
WELL OPERATOR Ashland Exploration, Inc. Address P. O. Box 391 Ashland, KY 41114	DESIGNATED AGENT Forrest Burkett Address P. O. Box 156 Brenton, WV 24818
OIL AND GAS ROYALTY OWNER Kanawha Valley Bank, et al Address Box 1973	COAL OPERATOR Bethlehem Mines Corporation Address Box 4108
Acreage Charleston, WV 25326 Acreage 5626	Charleston, WV 25304 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Kanawha Valley Bank, et al Address Same as above	NAME Kanawha Valley Bank, et al Address Same
Acreage 550+	NAME
FIELD SALE (IF MADE) TO: NAME Address	COAL LESSEE WITH DECLARATION ON RECORD:
OIL AND GAS INSPECTOR TO BE NOTIFIED:	NAME Bethlehem Mines Corporation Address Same as above
NAMEMartin Nichols	RECEIVED
Address P. O. Box 554 Clendenin, WV 25045 Telephone (304) 548-6993	MAY - 4 1982
	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
to the xxxx densing med xxxx sharper a deed / lease to the xxxx densing med xxxx sharper a deed / lease from United Producing Co., Inc. (If said deed, lease, or other contract Recorded on October 13 , 1956, in the	has been recorded:) e office of the Clerk of County Commission of
requested as follows:	Book at page 425 . A permit is
Plug off old formation Other physical change	on / Perforate new formation /
objection they wish to make or are requi Department of Mines within fifteen (15) Copies of this Permit Application and the mailed by registered mail or delivered by	the work order on the reverse side hereof. er(s), and coal lessee are hereby notified that any red to make by Code \$22-4-3 must be filed with the days after receipt of this Application by the Depose enclosed plat and reclamation plan have been by hand to the above named coal operator, coal own day of the mailing or delivery of this Application. West Virginia.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	ASHLAND EXPLORATION, INC.
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E.	By: Well Operator
CHARLESTON, WV 25311 Telephone - 304/348-3092	John H. Burtnett Regional Civil Engineer



(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Ray Resources Drilling Company									
	Ad	ldress	630 Cd	ommerce	e Square				
		_	Charle	eston,	WV 2530	1			
GEOLOGICAL TARGET Estimated depth Approximate wat Approximate coal Is coal being m	of com er stra 1 seam	npleted veta depth depths:	well_ hs: 665'	Fresh,	feet	feet; s	y X / Cabl alt, Top of Salt Sa	e tools/ feet.	
CASING AND TUBING CASING OR TUBING TYPE	PROGRAM		ONS		For Dril-		CEMENT FILL- UP OR SACKS Cubic ft.		
Conductor 13 3/8		48.00	X		40'	40'	25 sks	Kinds	
Fresh water	1140							16:	
Coal							71	Sizes	
Intermed. 18 5/8	K55	24.00	X		2274	2274	Circ. to su	Depths set	
Production 4 1/2		10.50	X		6759	6759	As Needed	Depths set	
Tubing								Perforations:	
Liners		1						Top Bottom	
							!	1	
				1					
		Many Date V.	1		1				
the form pro- nulation 	Pacific Property Prop	in lieu mation P ulation \$22-4-12 owner o V-2 shal or stimu ed as su	there there 23, (a, an f any l not latin	eof the application of the appli	to other schalle to the description of application well or equired for the party of the terms of terms of the terms of the terms of the terms of terms of the terms of terms o	country a his realism foundly postable, the dwelling of the s	ilowed by Conation required on the some consent reconstruction 200 j	quired by Code feet of the pro- ulating a well ch a permit is	
THIS PERMIT MUST BE PO	SIED AI	POANCE W	ITH CH	APTER S	2				
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22									
CODE THE LOCATION IS THE									
drilling . THIS PERMIT STORES									
IF OPERATIONS HAVE NOT COMMENCED BY 1-5-83									
IF OPERATIONS HAVE NOT COMMENCED									
NV THE	ne		-		•				
e cal le le ta he i	ssee wi soued i	no has r within f	ecord iftee	n (15 W A	days of	rescipt	thereof:	by any coal owner 0, if the permit	
The undersigned of location has examined of the well signed has no object well operator had the governing re-	locati jections compl	on, the to the lied with	well	locat	ion has bosed to be cable req	een added done at uirements	this locations of the West	The under provided the thirty of the Code a	
Date: April 30		19 82 -			Be	ethlehem !	Mines Corpora	tion	
Date. April 30	1. 194	NY		15	By:		reder		

FORM IV-48WC [12-78]

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date November 10 19 82

Operator's 093272

Well No. 47

No. 47

State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

SIRIL .	- 1-ott
	Forrest Burkett
ORATION, INC. DESIGNA	P 0. BOX 150
A CHI AND EXPLORATION	0/018
	DICE
ASHLAND, KY 41114 ASHLAND, WAY 41114	nth, day and year)
ASTILIANO, N/A and Date (Mor	ith, day and
Gas Purchase Contract No. N/A	
Water Chart CodeN/A	
Name of First Purchaser N/A (Street or P. O. Bo	(Zip Code)
(State)	
(City) FERC	Buyer Code Devonian Shale
023608	Devonian
- Caller Code	107 Category Code
TYPE OF DETERMINATION BEING SOUGHT: TYPE OF DETERMINATION BEING SOUGHT: (1) Initial determination (See FERC Form 121.) Sec (2) Determination that increased production is the recovery technology.	result of enhanced
(1) Initial determined	
(2) Determination the technology recovery technology of a seasonally affected well.	
(2) Determination that Increase (2) Determination of a seasonally affected well. Pau Name	(Print)
	Out W
T.	0. Box 391
Ronk #5 Str	cet or P. U. salah
	State (Zip Code)
	229-5738
60 AT	Phone Number
Cod	le
Service to Purchaser)	
(Certificate of Proof of Service to Purchaser)	
	a .
(All of the above to be completed by the Operator/Ap	plicant)
(To be completed by Jurisdictional Agency. Executed	copy to be returned to Operator/Applicant and
	request, for certification of the above described
well as meeting the requirements of Section	fuction is the result of enhanced recovery technology
under Section 108 of (NGPA); [] of for determination	M of a seasonary arrected well ander beetlen root (No.
All interested parties are hereby notified the office of the Oil and Gas Division in Charleston	that on the day of 19, at
be heard there will be a public hearing, if requeste	d, or if objection is filed.
This Application is assigned File No.	
Initial review of information submitted in	· · · · · · · · · · · · · · · · · · ·
	al Gas Policy Act (NGPA). A review of this evidence appointed for a public hearing or as soon thereafter
Unless objections are timely filed or a re days, a hearing will not be held except on ex parters go to determination.	quest for a hearing is made within fifteen (15)
go to determination.	motion of the department and the matter will
WE.	ST VIRGINIA DEPARTMENT OF MINES
NOV 10 1982	1 A
MON TO 1995	AL IND
	Freedy My
Date received by	Ву
Jurisdictional Agency	Title
	00/46/0004
	02/16/2024

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