

FILE NO. 80-5619-C

DRAWING NO. 80-5619-C

SCALE 1" = 1000'

MINIMUM DEGREE OF

ACCURACY 1 IN 2500

PROVEN SOURCE OF

ELEVATION 1/25 AND /309

ROAD INTERSECTIONS ON

BETHANY TOPO MAP

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Henry M. Parsons
R.P.E. L.L.S. 9



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS FORM IV-6



OPERATOR'S WELL NO. FOSTER# 2

API WELL NO. 64

47 - OHIO - OO32

STATE COUNTY PERMIT

FEB

DATE.

STATE OF WEST VIRGINIA

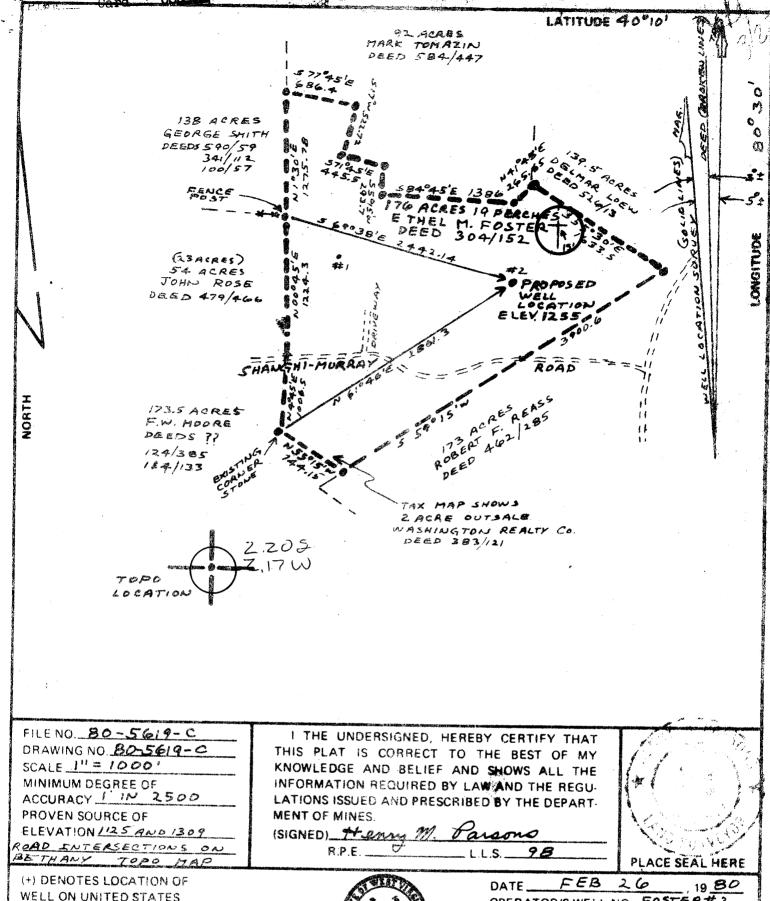
DEPARTMENT OF MINES

OIL AND GAS DIVISION

Can celled

OIL AND GAS DIVISION WELL TYPE: OIL ___GAS X LIQUID INJECTION___WASTE DISPOSAL (IF "GAS,") PRODUCTION___STORAGE__DEEP_LOCATION: ELEVATION 1255 WATER SHED CAST _SHALLOW_X WATER SHED CASTLEMANS RUN DISTRICT LIBERTY DISTRICT LIBERTY COUNTY OHIO
QUADRANGLE BETHANY 7.5 WHEELING 15' SURFACE OWNER ETHEL M. FOSTER ACREAGE 176 ACRES 19 PERCHES SAME LEASE ACREAGE 176 OIL & GAS ROYALTY OWNER_ LEASE NO. HB-302-44 PROPOSED WORK: DRILL CONVERT___DRILL DEEPER___REDRILL. FRACTURE OR STIMULATE ___PLUG OFF OLD FORMATION_ _PERFORATE NEW FORMATION.__OTHER PHYSICAL CHANGE IN WELL (SPECIFY). OCT 1 5 1984 CLEAN OUT AND REPLUG. PLUG AND ABANDON_ TARGET FORMATION WARREN _ESTIMATED DEPTH <u>_3500</u> WELL OPERATOR HADDAD AND BROKS IN DESIGNATED AGENT HENRY PARSONS ADDRESS 905 WASHINGTON ROAD ADDRESS 121 GLENVIEW DRIVE 15301 NEW MARTINSVILLE W. VA WASHINGTON, PENNA

(8.78)



WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8.78)

OPERATOR'S WELL NO. FOSTER# 2 API WELL NO. OHIO

COUNTY

STATE

LEASE ACREAGE 176

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WELL TYPE: OIL ___GAS X_LIQUID INJECTION___WASTE DISPOSAL. (IF "GAS,") PRODUCTION___STORAGE__DEEP_ _SHALLOW_X

LOCATION: ELEVATION 1255 WATER SHED CASTLEMANS

DISTRICT LIBERTY COUNTY OHIO QUADRANGLE BETHANY 7.5 WHERLING 15' EC

SURFACE OWNER ETHEL M. FOSTER ACREAGE 176 ACRES 19 PERCHES OIL & GAS ROYALTY OWNER SAME

LEASE NO. 40-302-44

PROPOSED WORK: DRILL & CONVERT DRILL DEEPER___REDRILL_ _FRACTURE OR

STIMULATE __PLUG OFF OLD FORMATION __PERFORATE NEW

FORMATION__OTHER PHYSICAL CHANGE IN WELL (SPECIFY).

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG.

TARGET FORMATION MARKEN LESTIMATED DEPTH _\$500

WELL OPERATOR HADDAD AND BROKS LAK DESIGNATED AGENT HENRY PRESONS

ADDRESS 905 WASHINGTON ROAD ADDRESS IZI GLENVIEW DRIVE

WASHINGTEN, PENNA

NEW MARTINSVILLE W. VA 20155

PERMIT

r en	
FORM IV-2 STATE DEPARTMENT OF	E OF WEST VIRGINIA MINES, OIL AND GAS DIVISION Date: March 21, 1980
[08-78]	Operator's
	WELL PERMIT APPLICATION Well No. No. 2 E. Foster
WELL TYPE: 011/ Gas/	API Well No. 47 - 069 -0032 State County Perm
(If "Gas", Production/ Un	derground storage / Deen / Shallan (
LOCATION: Elevation: 1255 Wat	ershed: Castlemans Run
District: <u>Liberty</u> Cou	nty: Ohio Quadrangle: Bethany (1:24000)
WELL OPERATOR Haddad & Brooks	A Mark Aller Special Control of the
Address 905 Washington Road	THE STATE OF THE S
	** manual plant manual
Washington, PA 15301	New Martinsville, WV 26155
OIL & GAS ROYALTY OWNEREthel M. Foster	
Address RD #2 Box 253 (HB-302-44)	
West Alexander, PA 15376 Acreage 176	
•	COAL OWNER(S) WITH DECLARATION ON RECORD;
SURFACE OWNER Same	THE CUAL & LOKE CO.
Address	(G. # C COCT)
Acreage	Triadelphia, WV 26059
FIELD SALE (IF MADE) TO:	Name Ethel M. Foster (all coal except Address RP #8 coal)
	RD #2
Address	
OIL & GAS INSPECTOR TO BE NOTIFIED	Name Name
	Address Address
- Intitip tracy	MAD 0 4 4000
Address Middlebourne, WV 26149	MAR 2 4 1980
304-758-4573	OIL & GAS DIVISION
The undersigned well operator is er	ntitled to operate for oi DE Fas pures Minterabove
location under a deed/ lease _x / c	other contract/ dated August 13, 1979, to the
undersigned well operator fromEthel M. F	oster
[If said deed, lease, or other contract has b	
Recorded on October 11 , 19 79 , in the	office of the Clerk of the County Commission of Ohio
County, West Virginia, in <u>Deed</u> Book	592 at page 649 . A permit is requested as follows:
PROPOSED WORK: Drill X / Drill deeper	/ Redrill/ Fracture or stimulate/
	/ Perforate new formation/
	well (specify)
planned as shown on th	e work order on the reverse side hereof.
	owner(s), and coal lessee are hereby notified that any
objection they wish to make or are frequired t	o make by Code § 22-4-3 must be filed with the Department
of Mines within fifteen (15) days after the r	eccipt of this Application by the Department.
	nd the enclosed plat and reclamation plan have been mailed
by registered mail or delivered by hand to th	e above named coal operator, coal owner(s), and coal lessen-
	ry of this Permit Application to the Department of Mines $g \in \mathbb{R}$
Charleston, West Virginia.	of Mines of the Department of Mines of

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGO DIRECTLY TO:

VEST VIRGINIASOIL AND GAS CONSERVATION COMMISSION 615 WASHINGTON STREET EAST CHARLESTON, WV 25311

מממב מאים אוניספי - מאיסטמת ישי

Haddad & Brooks, Inc.
Well Operator

Sh Broks.

Its Vice President

BLANKET BOND

PROPOSED WORK ORDER

		DR (IE	KNOMII)		1	Union Drilli	na 0		
	1			Addre	·ss	Buckhannon,	ng Company		
					****	bucknamion,	wv		
arot oatas						· · · · · · · · · · · · · · · · · · ·			••• •••
GEOLOGICAL '									
Estimat	.ed dep	oth of	complet	ad, wo	11, _	3500	fect	Botary X/	Chble trols/
Approxi	lmate w	mater s	trata d	leptha	: Fr	osh, <u>50</u> f	loet; sal	t, 1700 feet.	
Approxi	mate c	oal se	as dept	hs: 5	35-54	1 Pgh. Is	coal being	mined in the ar	ea: Yes/ NoX_
CASING AND T	UBING	PROGRA	14						
CASING OR	1		TF LCAT I			FOOTAGE	INTERVALS	CEMENT FILL-	.ttplf Daniman
TUBING TYPE	Size	IGrado	Weight per ft	Now	Used	H ·		OR SACKS	1
Conductor	11 3/2	,	42#		х	60'	60'		Kinds
Fresh water		1							ATMUS
Con I	8 ⁵ /8		22#	X		950 '	950'	Cement to	Simes
ntermediate	 							surface	571.05
'reduction	4 1/2	K55	9.5#	x		3500'	3500'	Cement as	Depths set
ubing -				<u> </u>				needed_	32, 0 0113 - 34
Iners									Perforations:
				ļ					Tor Equation
-		ļ		ļ					
							-		
hu Re the re aprli propi the ce	gulation of the cable of the ca	on 11, other to the requir	(ii) a necuri neclam o the ne	bond tyal ation amount	in o: lowed requ	ne of the for by Code 5 22 ired by Code	companied b ms preserib -4-2, (iii) \$ 22-4-12b	y (i) a plat in od by Regulatio Form IV-9, "Re and Regulation	four regics of the form prescribe: n 12, or in lieu clamation Plan", 23, (iv) unless d.(m) 45 m; it is in
by Rechard the recapitation of the W. No.	gulation of the cable sunly some of the following of the cable is a being to a Code	on 11, other to the proquire the property of the total of	(ii) a second week and by compensed to Form STED i All restance scallon is	bond ty al etion artion one 5 well. TAREn with C hereby	in oned required to the second	the former, action of the fore by Code 5 22 ired by Code the fee required from the sort be required by be part of ited in ronne 22,	companied b ms preserib -4-2, (iii) \$ 22-4-12b red by C.d. owner of ar cired for fr	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well of racturing or sti	the form preseribel no 12, or incline to clamation Plan",
the Received All provision of the W. V	outation the cable sunt of second of second	on II, other to the require the property of the local property of th	(ii) a second we alam the form STED iAI retained to the Formation is called the Fordance of this pe	bond ty al ation ation and S well. Tablen with C hereby	in order order of the control of the	by Code 5 22 ired the fee required the fee required to part of the fee in ronne 22, oved	companied b ms preserib -4-2, (iii) \$ 22-4-12b red by C.d. owner of ar cired for fr	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well of racturing or sti	the form prescribe? n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if myllogical dividing vicking
the Received All provision of the W.	outation the cable sunt of second of second	on II, other to the require the property of the local property of th	(ii) a second we alam the form STED iAI retained to the Formation is called the Fordance of this pe	bond ty al ation ation and S well. Tablen with C hereby	in order order of the control of the	by Code 5 22 ired the fee required the fee required to part of the fee in ronne 22, oved	companied b ms preserib -4-2, (iii) \$ 22-4-12b red by C.d. owner of ar cired for fr	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well of racturing or sti	the form prescribe? n 12, or in licu clamation Plan", 23, (iv) unless d.(n) if mylloding r diviling vicking
the Receive of the W. V. for	of the rable nate of the rable nate of the rable of the r	on II, other to the property of the property of the property of the property of the local comments of the loca	(ii) a second weather to Form STED iAI nother Fordance cation is called by	bond ty al attion and 5 well. TITHEN form 1 with C hereby	in order order of the control of the	by Code 5 22 ired the fee required the fee required to part of the fee in ronne 22, oved	companied b ms preserib -4-2, (iii) \$ 22-4-12b red by C.d. owner of ar cired for fr	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well of racturing or sti	the form prescribe? n 12, or in licu clamation Plan", 23, (iv) unless d.(n) if mylloding r diviling vicking
THIS PERMIT All provision of the W. V for	of the cable such as heing a Code lling ave not	on 11, other to the proper of the local proper of	citi) a security of the second by to Form STED i All restriction is the period by	bond ty at ty at attion and 5 well. TV-28 with C hereby tall-8	Shall V-E f hapter all exp	by Code 5 22 ired be required the from the sold in renne 22.	companied by ms preserib -4-2, (iii) \$ 22-4-12b red by C.d. owner of ar cired for front the work fection there	y (i) a plat in od by Regulation Form IV-9, "Re and Regulation of 12-4-12a, and y water well of vacturing or stitle or which a permitted with.	the form prescribe? n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if in lieu incling with int is sought and
THIS PERMIT All provision of the W. V for	of the cable such as heing a Code lling ave not	on 11, other to the proper of the local proper of	citi) a security of the second by to Form STED i All restriction is the period by	bond ty at ty at attion and 5 well. TV-28 with C hereby tall-8	Shall V-E f hapter all exp	incompleted by Code 5 22 ired by Code 5 22 ired by Code the fee required a from the specific part of the fee part of the fee in ronne 22, oved	companied by ms present by -4-2, (iii) \$ 22-4-12b red by the decomment of an interest for front the work follow there and open munder codreccipt the	y (i) a plat in od by Regulation Form IV-9, "Re and Regulation of 12-4-12a, and y water well of vacturing or stitle or which a permitted with.	the form prescribe? n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if in lieu diviling within
THIS PERMIT All provision of the W. V for	of the cable nable	comments of a comment of a comm	citi a security of the second by to Format STED i All restriction is the second by Sas Divis	bond ty at ty at attion and 5 well. tatlen tatlen tatlen tatlen tatlen tatlen tatlen tatlen attion tatlen tatlen attion tatlen tatl	in order to made the control of the	specification (16) days of the first by Code 5 22 ired by Code 5 22 ired by Code 14 a from the specific form the specifi	companied by man preservib. -4-2, (iii) 5.22-4-12b red by C.d. owner of ar cired for fr the work f retion there munder Code receipt the	y (i) a plat in od by Regulation Form IV-9, "Re and Regulation 5 22-4-20, if reaf:	the form prescribe? n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if my it. His, idealing within mulating a well nit is sought and could sweet the permit
THIS PERMIT All provision of the W. V for dri operations have a considered to the work provision to the wor	of the cable able able able able able able able	on II, other to the require the property of the property of the local things of the lo	secondial second	bond ty al ty al ation ation one S well. tatten com IV-2 tatten com I with C hereby must if a reac a fiff this this	hapter, appring all exp	we a type of the form the form the fee required by Gode 5 22 ired by Gode the fee required from the form the form the form the filed in connection. If added to the form received for provided for provided for provided for provided for provided for provided for the form provided	companied by ms preserib. 4-2, (iii) 5-2-4-12b red by code owner of ar cired for fr the work fr cired for there a under code receipt the Mine man. d the well	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well or vacturing or stitle or which a permit of the control of the cont	the form prescribe: n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if in lieu dicting viction imulating a well sit is sought and
This Permit All provision of the W. V for dri operations have a considered to the work provision to the wor	of the cable able able able able able able able	on II, other to the require the property of the property of the local things of the lo	secondial second	bond ty al ty al ation ation one S well. tatten com IV-2 tatten com I with C hereby must if a reac a fiff this this	hapter, appring all exp	we a type of the form the form the fee required by Gode 5 22 ired by Gode the fee required from the form the form the form the filed in connection. If added to the form received for provided for provided for provided for provided for provided for provided for the form provided	companied by ms preserib. 4-2, (iii) 5-2-4-12b red by code owner of ar cired for fr the work fr cired for there a under code receipt the Mine man. d the well	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well on racturing or stitle or which a permitth. after and by any of 5 22-4-20, if read: The undersigned or stitle or which a permitth.	the form prescribe: n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if my livida, r dividing within mulating a well nit is sought and the permit
THIS PERMIT All provision of the W. V for dri operations have a considered to the work provision to the wor	of the cable able able able able able able able	on II, other to the require the property of the property of the local things of the lo	secondial second	bond ty al ty al ation ation one S well. tatten com IV-2 tatten com I with C hereby must if a reac a fiff this this	hapter, appring all exp	we a type of the form the form the fee required by Gode 5 22 ired by Gode the fee required from the form the form the form the filed in connection. If added to the form received for provided for provided for provided for provided for provided for provided for the form provided	companied by ms preserib. 4-2, (iii) 5-2-4-12b red by code owner of ar cired for fr the work fr cired for there a under code receipt the Mine man. d the well	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well on racturing or stitle or which a permitth. after and by any of 5 22-4-20, if read: The undersigned or stitle or which a permitth.	the form prescribe? n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) 10 my 11 miles; dividing within mulating a well mit is sought and the permit
THIS PERMIT All provision of the W. V for dri operations have a control to the work provision work provision with the work provision work provision.	of the cable able able able able able able able	on II, other to the require the property of the property of the local things of the lo	secondial second	bond ty al ty al ation ation one S well. tatten com IV-2 tatten com I with C hereby must if a reac a fiff this this	hapter, appring all exp	we a type of the form the form the fee required by Gode 5 22 ired by Gode the fee required from the form the form the form the filed in connection. If added to the form received for provided for provided for provided for provided for provided for provided for the form provided	companied by ms preserib. 4-2, (iii) 5-2-4-12b red by code owner of ar cired for fr the work fr cired for there a under code receipt the Mine man. d the well	y (i) a plat in od by Regulation Form IV-9, "Read Regulation of 12-4-12a, and water well on racturing or stitle or which a permitth. after and by any of 5 22-4-20, if read: The undersigned or stitle or which a permitth.	the form prescribe: n 12, or in lieu clamation Plan", 23, (iv) unless d.(n) if my livida, r dividing within mulating a well nit is sought and the permit