

Deep

98

FORM IV-2 (Obverse) (12-81)



		State	County	Permit	
API We	II No	. 47	087-3564		0
Operator Well No		1			
Date:	10	March	, 19	8 2	

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

		LL PERMIT APPLICATI	ON
WELL TYPE:	Oil Gas XXX / (If "Gas", Production XXXXX /	Underground storage/	•
LOCATION:	Elevation: 1182'	Watershed: Johnson creek	
			Quadrangle: Clio 7.5
WELL OPERAT	OR Delta Drilling Co.	DESIGNATED AGE	ENT Robert E. Fox
Address	200 Fleet St. Suite 4005	0 0 000-664	.Box 129
	Pittsburgh, Pa. 15220	Gle	nville, WV. 26351
OIL & GAS ROYALTY OW	NER Lois A and David H Clel	allu	
Address	2410 Kanawha Blvd E	Address	
	Charleston, WV. 25301		
.	• 100	COAL OWNER(S)	WITH DECLARATION ON RECORD:
Acreage	Francia R Smith	Name None	of Record
	NER Ershal B. Smith		
Address	404 Knotts Ave.	/ (CC) / (CC)	RECEIVED
	Dunbar, WV. 25064	N	MAR 1 6 1982
Acreage	50		
FIELD SALE (IF MADE) TO:	Address	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
Address_	Columbia Gas	COAL TROOPS W	THE DECLARATION ON RECORD.
	Charleston WV.		TH DECLARATION ON RECORD:
OIL & GAS IN	SPECTOR TO BE NOTIFIED		
Name Richar		Address	
Address	P.O.Box 372	- Address - Addr	
,	Grantsville, WV 26147		
The undersign	and well operator is entitled to operate for 0	il or gas purposes at the above locat	tion under a deed/ lease
	XXXX / dated 10 15 , 19		
(IF said deed, I	lease, or other contract has been recorde	d:) Not Record	ed
Recorded on	, 19, in the office	of the Clerk of the County Commis	ssion of County, West
	Bookat page		
	WORK: Drill XXXX / Drill deeper		
r KOI OSLD			
	riag on old formation	Later and the second second	A CONTRACTOR OF THE STATE OF TH
	Other physical change in well (s		
	nlapped as shown on the worl		f.
			bjection they wish to make or are required to
The above na	med coal operator, coal owner(s), and coal i	t of Mines within fifteen (15) days	s after the receipt of this Application by the
	\$22-4-3 must be filed with the Departmen	f Ol Million within moon' fact, and	
Department.	Domi: Application and the enclosed plat a	nd reclamation plan have been mai	led by registered mail or delivered by hand to
the shove name	ed coal operator, coal owner(s), and coal les	ssee on or before the day of the ma	iling or delivery of this Permit Application to
	t of Mines at Charleston, West Virginia.		
GEOPHYSICAL	AIT COPIES OF ALL L LOGS DIRECTLY	Delta D	rilling Co.
TO:	NIA OII. AND GAS	. —	Well Operator

CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

lts <u>DESIGNATED AGENT</u>

PROPOSED WORK ORDER

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

DRILLING C	ONTRAC	TOR (IF	KNOW	N) _	Fox	Drilling	Co. Inc.			
				Δđ	dress	P.O. Bo	x 129			
						Glenvill	e, WV. 2635	31		
GEOLOGICA	L TARGI	ET FORM	ATION	,	Brov	vn Shale				
							et Rotary	/ Cab	ole tools	1 -
							; salt,			
Арргох	imate coa	l seam d	epths:	N/A_		Is coa	l being mined	in the area? Yes	/ No _	xxxx/
CASING ANI										
							MEDVALE	I CEMENT FILL-UP	PACKERS	
CASING OR TUBING TYPE	81	Grade	ONS Weight per ft	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	FACRERS	
Conductor	13 3/8	11				20'	201		Kinds	4
Fresh Water .	11 3/4	11				480'	\$ 80'	to surface	::	
Coal		-	i			,			Sizes	
intermediate	8 5/8'					2050!	20501	to surface		
Production	4 월11					5525'	55251	1000 sks	Depths set	
Tubing										p. 11
Liners			Oliver and the second s			westign and the second			Perforations:	- 11. A
									Тор	Bottom
				-						
								·		
the I press "Rec prev Code	Department cribed by clamation iously paid \$22-4-8	Regulati Plan'', a d on the s a from the	panied by on 12, o pplicable ame well se owner shall not	y (i) a r in li to the to fan of an	plat in eu the e recla ee requ y wate	the form presereof the other mation requiruired by Code 6 or well or dwe	cribed by Regular security allowed by Code \$ 2 22-4-12a, and (lling within 200 r stimulating a version of the control of the c	ur copies of Form IV-2 lation 11, (ii) a bond i wed by Code § 22-4-22-4-12b and Regulativ) if applicable, the collection of the proposed well where fracturing Form IV-2 filed in con	on one of the form 2. (iii) Form IV-9 ion 23, (iv) unless onsent required by the well. or stimulating is the stimulating is th	is , , ss y
THIS PERMIT	AAHST DE	المالين وسندات	A way or a some							
ALL PROVISION						"UADTED OO				
ARTICLE 4 OF	THE W.	VA. COL	DE. THE	LOCA	TION	IC FEDERA		AM.		
APPROVED FO	OR dri	illing	. 1	HIS P	ERMIT	SHALL EXPIR	grad- San Score	N.W.		
IF OPERATION	IS HAVE	MOT CC	MNERC	ED BY	-	11-17-82				
					anning streets star of the	- The second of		P		
							********	• • • • • • • • • • • • • • • • • • • •		
The	following laration u	waiver m nder Cod	ust be co e 22-4	mplete -20, if	ed by t the p	he coal operato ermit is to be	rand by any coa issued within t	al owner or coal lessee fifteen (15) days of r	who has recordereceipt thereof.	d a
						WAI	VER			
proposed wel The undersig	l location. ned has n	If a mine to objection	map exi	sts whi	ich cov propo	ers the area of sed to oe done	the well locatio	the coal under this van, the well location han, provided, the well s.	as been added to t	he mine map.
Date:			, 19				Ву			

IV-35 (Rev 8-81) A STATE OF THE STA

RECEIVED State of West Birginia

MAY 24 1982

Bepartment of Mines Gil und Gas Division

Date_	5-17-82	2				
Operator's						
Well N	o	#1				
Farm	CLELAND,	/WESTFALI				
API No	. 47 -	087 -	3564			

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

WELL OPERATOR'S REPORT

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE:	: Oil/ (If "Gas,	Gas <u>x</u> / L "Production	iquid Inje n <u>X</u> /Unde	ection	/W ndSto	laste rage	Disposa / Deep	L/ / Sha	llow_	_/)
LOCATION:	Elevation:									*******
	District:_							<u> CLIO 7</u>	.5	
CO1003187 -										
	DELTA DRILLIN			ę					Cemer	nt
	00 FLEET ST. D AGENT JOH				Caşin	-	Used in		fill	up
VUUDECC C	o LOVE, WISE	, ROBINSON,	"Moobeda"		Tubin	-	Drilling	in Well	Cu.	IT.
	O ROX 951 C WNER ERSHAL				Size 20-16					
					Cond.					
	404 KNOTTS AV			Nantono	13-10)"	276	276	200	sks
	IGHTS OWNER				9 5/8	<u> </u>				
	2410 KANAWHA) c	5301	8 5/8	3	2103	2103	410	sks
	AS INSPECTOR				7					
***************************************	ADDRESS			T TT 7	5 1/2	2				(A.S., 111 A.M.)
	SUED MARCH				4 1/2	2	5672	5672	480	sks
	COMMENCED				3					
	COMPLETED	<u> </u>		-	2					
CONTINUOU	'ABLE: PLUGG IS PROGRESSIO 3. VERBAL PE	N FROM DRI	LLING OR	0017800e400	Liner used	L				
GEOLOGICA	L TARGET FOR	MATION R	POLIN SHATE				Dep	th 2468-	5676	feet
	h of complet									
	Water strata depth: Fresh - feet; Salt 1637 feet Coal seam depths: NONE Is coal being mined in the area? NO							3 NO		
OPEN FLOW		# Total and the second								
	lucing format	ion RPO	UNI CHATE			Pav	zone den	th was s		feet
Cas.	Initial op	en flow	- Mr.	f/a	Oil:	wı Tnit	ial open	f] OW		 Bb1 /đ
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		of open flo	Happen	Andrew Control of the						
Stat	ic rock pres	_					•			ut in
	applicable d								w	
	approducing		-			Pav	zone den	th		feet
	: Initial or									
		n flow								4
		of open fl								-
Stat	tic rock pres									
<u>, </u>	room bres			LUCE				rue on re	JUN	2 1

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFORATIONS	FOAM VOL.	SAND VOL.	 VERAGE NJECTION RATE	4
5317-5650 (15)	38,000 gal.	64,000#	40 BPM	
(13) Chinestreet	29,000 gal.	50,000#	40 BPM	
3490-3792 (10)	29,000 gal.	50,000#	30 BPM	

WELL LOG

	en e		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAND SHALE RED ROCK SAND SHALE SAND SHALE SAND SHALE RED ROCK & SHALE SAND RED ROCK & SHALE SAND SHALE SAND SHALE SAND SHALE SAND SHALE LITTLE LIME PENCIL CAVE BIG LIME BIG INJUN SHALE BEREA BROWN SHALE	0 77 86 194 209 283 335 358 389 715 730 1600 1618 1637 1837 1874 1903 1925 2028 2040 2462 2468 LOGGERS TD	77 86 194 209 283 335 358 389 715 730 1600 1618 1637 1837 1874 1903 1925 2028 2040 2462 2468 5676 5676	1/2" stream salt H ₂ 0 @ 1637

(Attach separate sheets as necessary)

DELTA DRILLING COMPANY

By: Color Date: Do Po

Well Operator

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 coal, encountered in the drilling of a well."