

IV-35 (Rev 8-81)

nte of Mest Nirginia

DIVISION OF OIL & GAS

DEPT. OF ENERGY Gil und Gas Bivision

Date_	November 27,	1985							
Operator's									
Well	Well No. Smith #1								
Farm Elmer Smith									
API N	6. 47` – 107	- 1394							

WELL OPERATOR'S REPORT - OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas $_{ m X}$ / Liquid Injection (If "Gas," Production $_{ m X}$ / Underground	/Wast and Storag	e Disposal e/ Deer	/ / Sha	llow <u>×</u> /)
LOCATION: Elevation: 714' Watershed C	ove Run			
District: Harris County Wood	1	Quadrangle	Pond Cre	eek 7.5'
CONTRACTOR OF THE CASE THE				
COMPANY H.D. WELLS OIL & GAS INC. ADDRESS P. O. Box 1785 Charleston, WV 25326	Caging	Used in	Tef+	Cement
DESIGNATED AGENT H. D. Wells III	Casing	l		fill up Cu. ft.
	Tubing	DETTITIO	TII WELL	Cu. Ic.
ADDRESS Same	Size 20-16			
SURFACE OWNER Elmer Smith	Cond.			
ADDRESS Belleville, W	13-10"		0.404	110
MINERAL RIGHTS OWNER same	9 5/8	340'	340'	110 sks
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Glenn	7	1850'	1850'	140 sks
Robinson ADDRESS Mineral Wells, WV 26150	5 1/2			
PERMIT ISSUED	4 1/2		3668	200 sks
DRILLING COMMENCED 11/17/85	3			
DRILLING COMPLETED 11/23/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	Liners			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	used		-	
ON			<u></u>	
GEOLOGICAL TARGET FORMATION Devonian Shale (Hu	ron)	Dep	th 2480-3	620 feet
Depth of completed well 3670 feet	Rotary x	/ Cabl	e Tools_	•
Water strata depth: Fresh 86 feet;				
Coal seam depths: N/A	Is coal	being min	ed in the	e area? No
	-			
OPEN FLOW DATA	\ Do:	u sono der	+h 2510_3	612 feet
Producing formation Devonian Shale (Huro	oil ra	y zone det	f]~r	Bb1 /3
Gas: Initial open flow show Mcf/d	OIT: IU	rel mos f	110	Bb1/d
Final open flow 250 Mcf/d	ru a e Š a e	nar open i	.10w	
Time of open flow between init				
Static rock pressure 390 psig(surface		ment) aite	er 8 no	urs snut in
(If applicable due to multiple completion	2)	_	. •	e
Second producing formation Berea				
Gas: Initial open flow Mcf/d	Oil: In	itial oper	i flow	Bbl/d
Final open flow (100) Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	e measurem	ent) after	rho	ors shut in
		(Conti	irue on r	everse side

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

<u>ist Stage</u>	<u> Zna Stage</u>	<u> 3rd Stage</u>	. 4th Stage
Ηυτος 505–35 <u>8</u> 6 (8 Holes)	3268-2984 (18 Holes)	Up. Dev.	Berea
605 <u>-358</u> 6 (8 Holes)	3268-2984 (18 Holes)	2817-2608 (15 Holes)	1985-1988 (12 Holes)
00,000 SCF-N ₂	700,000 SCF-N ₂	600,000 SCF-N ₂	40,000 #20/40
nj. Rate 60,000 SCF/M	Inj. Rate 67,000 SCF/M	Inj. Rate 60,000 SCF/M	100,000 SCF-N2
50 gallons HCL (15%)	250 gallons HCL	250 gallons HCL	250 gallons HCL
SIP 1500#	ISIP 1200#	ISIP 1000#	Max. Press. 2800#
ax. Press. 3900#	Max. Press. 3100#	Max. Press. 2600#	Avg. Press. 2100#
va. Press. 2800#	Avg. Press. 2200#	Avg. Press. 1500#	

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Topsoil Sand Shale Sand Shale Sand & Shale Shale Sand Lime By Sand by my m po Sandy Shale Sand belie Shale Som how by logit top thickness pr Den wadyt 1988 1152 w Hum 3140 500 Jana 3640	0 15 68 86 166 841 950 1296 1310 1420 1450 1983	15 68 86 166 841 950 1296 1310 1420 1450 1983 1988 3675 DID	Fresh Water @ 86' Salt Water @ 1300'

(Attach separate sheets as necessary)

H. D.	Wells	Oil &	Gas	Exploration	& Devel	opment,	Inc.
We.	ll Oper	rator					
,	/21/1) 				
By: C	DI			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
	11/05	6					
Date:	11/27	/ 85					

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."

FORM W-2(B) (Dbverse) 7/85





Date: October	23,	13	_85
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2) Operator's Well No._

E. Smith #1 47 3) API Well No. _

State County Permit

DIVISION OF OIL & GAS DEPT. OF ENERGY OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY					X	/ Underground's	torage	/ Dee p	/ Shallow X	0
5)	LOCATIO	B (If "Gas", Production X ON: Elevation: 7141			Watershed:			/ Shanow	_/)		
٠,	DOCATIO		_	Harris		943	County: Woo		Quadrangle:	Pond Creek 7	51
٤١	WELLOD							7) DESIGNATE	DAGENT H. D. V	Wells III	-
U)	Address		1785	EXP.	TIE	The.	· safe			TELIS III	
	Address				05	206		Address	Same		
-				on, WV		326					
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen P. Robinson Name Name											
	Name							Name			
	Address					ant Est	ate	Address			
		Mir	neral 1	Wells,	WV	26150					
10)	PROPOSE	D WELL	WORK:	Drill	Х	_/ Drill	deeper	/ Redrill	/ Stimulate	X /	
•				Plug of	f old	formation	/ Perfora				
				-			well (specify)		·		
111	GEO! OG!	CALTAD	CET FOR				ordon/Devon	ian Shale 4	OI		
11)					, <u> </u>	650		idi bidic ,	01		
	12) Estima				4.5		fect	1000	_		
	13) Approx		•		/			1000	feet.	37	
	14) Approx	ximate coa	l seam dep	oths:	N/	₹	ls coa	d being mined in th	e area? Yes	/ NoX	
15)	CASING A	ND TUBI	NG PRO	GRAM							
CA	SING OR	I	SPEC	CIFICATIONS	5	1	FOOTAGE 19	NTERVALS	CEMENT FILLUP	PACKERS	
TU	IBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS		
	4		0.20	JAT 16.	1		7 Or Urimug	DATE IN WEIL	(Cubic feet)		
	ductor	0 - /	TEE	26		1 - 1 -	300'	3001	to surf. by	Kinds rule 15.05	
Fres	h water	9 5/0	3 J55	26	X	 -	300	300	W Surr. Dy	1016 13.03	
Coal	<u> </u>	 		<u> </u>		II				Sizes	
Inter	rmediate	7"			X	1	2100 '	2100'	1000' fill u	Ρ	
Proc	duction	41/5"	K55	10.5	Х		3650 '	3650'	200 ft ³	Depths set	
Tubi	ing	1					10.10				
Line									1	D	
Line			ļ	<u> </u>		1			 	Perforations:	
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		<u> </u>		-	<u> </u>						
		L	<u> </u>	<u> </u>	<u> </u>	<u> </u>					
	*										
	·····						VEELCE LISE C	NII V			
							OFFICE USE CONTILLING PE				
	•					L	KILLING I L	KIVIII			
Peri	mit number_	47-	107-1	1384					Nove	ember 1 19	85
									Dat		
Thic	nermit cove	ring the w	eli operati	or and wel	l locati	on shown t	selow is evidence o	of nermission gran	ted to drill in accordan		anl so
ouir	ements subje	ct to the c	onditions	contained	herein :	and on the	reverse hereof	ification must be a	is an to the District Oil	ce with the pertinent le	gai it-
io. 8	B) Prior to the	e construct	ion of ros	ds. locatio	ns and	pits for an	v permitted work.	In addition, the v	iven to the District Oil well operator or his con	and Gas inspector, (Re tractor shall notify the	ter to proper
d istr	rict oil and g	as inspecto	or 24 hour	s before a	ctual pe	rmitted wo	rk has commenced	i.)		•	
The	permitted we	ork is as de	escribed in	the Notic	e and A	Annlication	nlat and reclama	tion plan subject	to any modifications as	nd conditions specified	on the
	rse hereof.	OIK 13 23 C	escribed ii	i the ivone	c and r	application	, plat, and reclaime	mon plan, subject	to any modifications a	na conditions specified	on the
	nit expires _	Nov	embei	1, 1	987		unless well	work is commence	d prior to that date and	prosecuted with due dil	gence
x 011.	in expires _						anicss wen	work is commence	a prior to that date and	prosecuted with due dir.	igence.
Γ-	L			т							
I	Bond:	Agent	I سبر	Plat:	Casi	ng F	ee a WPCP-	S&E	Other	•	
	V	in	12/1	2/11	2-0	11 3	779		o c.i.c.i	-	
L		111		//W]	M	U 3	1801 1	MMU			
							7		~ /	1	
							Y	Y Kanas	with 1. L	19111	
NO	TE: Keep o	ne copy of	this pern	nit posted a	at the d	rilling loca	tion.	rooter hi	vicion of 041	and Cas	
	-	• •		•			דת	rector, Div	vision of Oil	and Gas	File