

1 HALL -----

New England

(296)

WR-35

## APR 20 1988

state of West Virginia

DEPARTMENT OF ENERGY
Oil and Oaz Bivision

Date	4/18/88		5 - 5 · 1
Operator	's		
Well No.	Staats	#2	· ·
Farm	Staats		
APT NO	47 - 107		1/16

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Undergrow	n/Wast und Storag	te Disposa ge/ Dee	l/ p/ Sha	llow_x_/)	
LOCATION: Elevation: 823.45 Watershed Sh	ort Run of	f Pond Cree	a le		,
District: Harris County Wo					
					-
COMPANY H. D. Wells Oil & Gas Exp. & Dev., Inc.	•				
ADDRESS P.O. Box 1785, Charleston, WV 25326	Casing	Used in	Left	Cement	
DESIGNATED AGENT H. D. Wells, III	Tubing	Drilling	in Well	fill up , Cu. ft.	
ADDRESS same	Size				
SURFACE OWNER Percy A. Staats	20-16 Cond,			•	
ADDRESS 119 Manchester Rd., Oakridge, TN 37830	13-10"				1
MINERAL RIGHTS CWINERY same	9 5/8	375'	375 <b>'</b>	circ to su	fa
ADDRESS 40	8 5/8	1 3/3	3/3	0220 00 50	
OIL AND GAS INSPECTOR FOR THIS WORK Glen P.	-7	22221	20001	1 0001	
Robinson ADDRESS Mineral Wells, WV	5 1/2	2200'	2200'	1,000'	1
PERMIT ISSUED 9/17/87		10301	40001		1
DRILLING COMMENCED 9/30/87	4 1/2	4000'	4000 <b>'</b>	·	1
DRILLING COMPLETED 10/9/87	2				1
IF APPLICABLE: PLUGGING OF DRY HOLE ON	4				1
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used		,		1
CN CN				• .	
GEOLOGICAL TARGET FORMATION Devonian	Shale	Dep	th 3763	feet	
Depth of completed well 3925 feet I					
Water strata depth: Fresh 221 feet;					
Coal seam depths: n/a		being min	ed in the	area? no	
OPEN FLOW DATA Producing formation Shale	. Day	r zona den	th 286		
Gas: Initial open flow Mcf/d  Final open flow 60 Mcf/d					
		•			
Time of open flow between init:  Static rock pressure 385 psig(surface					
•	•	Enc, ara	<u> </u>	25 51140 22.	
(If applicable due to multiple completion-		zone den	th 3237_3	763 feet	
Second producing formation Shale  Gas: Initial open flow Mcf/d					
Gas: Initial open flow Mof/d	Oil. Fir	nal open f	] CW	Bbl/d	
Final open flow 60 Mcf/d Time of open flow between init					
Static rock pressure 400 psig(surface					
Static rock pressure 400 psig(surface	ueasmer				
		(Conti		verse side APR 22 <b>19</b>	88

APD 9 9 1000 \_\_

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

lst Stage Perf.

H 3598-3763 11 holes

2nd Stage Perf.

3237-3247 10 holes

3rd Stage Perf.

2865-2879 12 holes

APR 20 1988

DIVISION OF OIL & GAS OF ENERGY

WELL IO

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Top Soil		20	The second state of the se
Sand	. 20	100	
Shale	100		And the second s
Sand & Shale	361	1050	
Shale	1050	1535	
Lime	1535	1550	
Injun Sand	1550	1700	DECELVEN
Sand	1700	2865	The state of the s
Shale	2865	2880	APR 2 0 1988
"Sand	2880	3230	DIVISION OF OIL & GAS
Shale	3230	3250	DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
Sand	3250	3560	
Shale	3560	3925	Total Depth
		and part of the spring of	The state of the s
		Sarkelan of France	
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(Attach separate sheets as necessary)

H. D. Wells Oil & Gas Exp. & Dev., Inc.

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ate: 4/18/88

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 and its encountered in the drilling of a well."



1)	Date:	Α	ugust 3	<u>, 13, 87</u>
2)	Operator's Well No.	Sta	aats #2	I
3)	API Well No.	47	107	1416
-,	1	State	County	Permit

File

## STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

	DEPART	MENT O	FENER	<b>3</b> Y	AI	PPLICAT	ION FOR A WELI	L WORK PERMIT	<u>[</u>	
4)	WELL TYP	PE: A Oi	il <u>X</u> f "Gas", I	/ Ga	sX	/ 	_/ Underground s	torage	/ Deep	_/ Shallow/)
5)	LOCATION	N: Ele	vation: _	87	5	<u> </u>			of Pond Creek	
		Dis	trict:	Harr	is_	2	County: W	Mood 101	Quadrangle: F	ond Creek Joan
6)	WELL OPE					ascon	E: 32400			Wells, III
	Address			x 1785		T226		Address	same	
				ton. W		5.326		o) DDILLING C	ONTP ACTOR:	
8) OIL & GAS INSPECTOR TO BE NOTIFIED  Name Glen P. Robinson  Name Clint Hurt & Associate						ociates				
	Address	D+	. 1. #	6.4.4				Address		
	Address		•	ells,	<b>7</b> / <b>7</b> /7			7.444.000		
	PROPOSE			•		_/ Drill		/ Redrill	/ Stimulate	Χ ,
10)	PROPOSE	D WELL	WORK.				/ Perfora			
							well (specify)			
111	GEOLOGI	CALTAR	GET FOR				zonian Shale	9 4 3		
11,	12) Estima	ted depth o	of complet	ed well.	4	200	feet			
	13) Approx	ximate trat	a depths:	Fresh, _			feet; salt.	)		
	14) Approx	ximate coal	l seam dep	ths:	·		Is co	al being mined in th	e area? Yes	/ No/
15)	CASING A									
	SING OR	1	SPEC	IFICATIONS	i	1	FOOTAGE I	NTERVALS	CEMENT FILLUP OR SACKS	PACKERS
TU	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Cone	ductor								CIR & To Duyla	WKinds 38 CSR-18-11.3
Fres	h water	9-5/8	J55	20#	х		3751	3751	by reg. 15.0	5
Coal									<u> </u>	Sizes Sizes
Inter	mediate	7	J55_	22#	_x	1	2200'	2200'	1,000 fill (	
Prod	luction	4-1/2	J55_	10.5	_x_	1	4000'	4000'	by reg. 15.0	Depths set 384348-11.1
Tubi	ng	<b> </b>		ļ	ļ	<b>├</b>				
Line		<b> </b>	ļ	ļ		1				Perforations:
		<b> </b>		<u> </u>		1				Top Bottom
				<del> </del>						
		l	L	ļ	ļ	11				Ш
					* .					
							OFFICE USE (	ONLY		
							DRILLING PE			•
	•	47	-107-1	416					September 1	.7 87
Peri	mit number_							<del></del>	Da	19
								.6		
This	s permit cove	ering the w	ell operations	or and well contained	l locati berein	on shown and on the	below is evidence of	or permission gran	iven to the District Oil	and Gas Inspector (Refer to
quir io. 8	ements subjections of the subjection of the subj	e construct	tion of ros	ids, locatio	ns and	pits for a	ny permitted work.	In addition, the	well operator or his cor	and Gas Inspector, (Refer to stractor shall notify the proper
dist	rict oil and g	as inspecto	or 24 hour	s before a	ctual po	ermittea w	OFK HAS COMMENCE	u.)		
The	permitted w	ork is as d	escribed in	the Notic	e and	Applicatio	n, plat, and reclam	ation plan, subject	to any modifications a	nd conditions specified on the
reve	rse hereof.		Santa	mber 1	7. 1	1989		la.l. ia aammanaa	d mrior to that date and	prosecuted with due diligence.
Peri	mit expires _		/	mber .	.,,		unless well	work is commence	ed prior to that date and	prosecuted with due differee.
_	+	/		r			Т.	1 1		•
]	Bond:	Agent	:: \\	Mat:	Casi	ing	Fee MPAP	<b>∧\$€</b>	Other	•
- 1	V	1/	<i>       </i>	<b>XX</b> F	100	11 8	(31   <b>()</b> (1).		1	
L_		V		PP 1	rH	W 14	600 PC		~ · ·	. 7.0
			(	<i>)</i> ; set		11	601	John X/	Why stone	y M/m. aut)
NO	TE: Keep o	one copy of	f this pern	nit posted	at the o			rector, Di	vision of Oil	and Gas / File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.