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DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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DEPARTMENT OF ENERGY Gil und Cas Bivision

Date_	Feb !	5 · 1	987.			
Operat	or's					e%
Well 1			re #1			
Farm_	Moore			<u> </u>		
API N	.47	-	095	-	1168	

WELL OPERATOR'S REPORT OF . DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," production / Undergrou	_	196.35		
OCATION: Elevation: 1056 Watershed B	ty run		West Uni	on
District: Centerville , County Tyle	K	Quaurangre		
The second secon		3454 20		
TOMBANY And Dil CO Inc.	100 P	*		
	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Justin Henderson	Tubing			Cu. ft.
ADDRESS Box 2566 Clarksburg WV	Size	V		
SURFACE CWNER Mabel Moore	20-16 Cond.	-e 1		;
ADDRESS	13-10"		62	
MINERAL RIGHTS OWNER Mabel Moore	9 5/8			
ADDRESS	8 5/8	1325	1289	315 sks
OIL AND GAS INSPECTOR FOR THIS WORK BOD	7			
Louther ADDRESS General Delivery	5 1/2			
PERMIT ISSUED 1-5-87	4 1/2	5082*	4988	190 sks
DRILLING COMMENCED 1-13-87	3	PA SECTION	1	
DRILLING COMPLETED 1-18-87	2	e deg.		
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			Foo
GEOLOGICAL TARGET FORMATION Benson	Marie July	De	pen 4950	i Tee
n in ann fact	Dotami Y	חגייו ע	ie imir	
Depth of completed well 5082 reet; Water strata depth: Fresh 1520 feet;	Salt <u>-</u>	ree	الم ما الما الما الما الما الما الما ال	ne area? No
Coal seam depths:	_ Is coa	r perud un	ned mud	le area: 110
OPEN FLOW DATA	and and	er es		
- 1 Samuelian Parant	<u>, </u>	ay zone de	pth <u>4950-</u> 5	iB fee
Come Initial open flow smell Mcf/d	oil: I	nitial ope	en flow	D Bbl.
Final open flow (1.800-) Mcf/d	F	'inal open	ITOM	$\Gamma_{\rm pol}$
Time of open flow between in	itial and	final test	ts	hours
Static rock pressure 1250 psig(surf	ace measur	ement) af	ter 24 h	ours shut
(If applicable due to multiple completi	ion)	18 S		
second producing formation Riley	in the same of the	Pay zone d	epth <u>4534"-</u>	<u>81</u> fe
come Initial open flow smell Mcf/d	d Oil:	Initial op	en flow_	0 80
Final open flow commingled Mcf/c	d Oil:	Final open	flow	n Bb.
mine of open flow between i	nitial and	final tes	sts	-h9HNS15
Static rock pressure 1250 psig (surf	ace*measur	ement) aft	er 24 1	nours shut
STATIC LOCK DIESSIE	2.4			•

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

Perforate Riley (4947-4953 14 holes), Perforate Benson (4534-4581 14 holes)

Frac with 920 bbls sand laden fluid 214,000 scf N_2 , 1000 bbls acid isip 2450#

WELL LOG

			<i>p</i> 6	Alb.	· •
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Soil		jena jena samba j		15	
ss	*,		₩ 15 ₎	140	
rr&sh			~~ 140	200	
sh ss ·			200	1605	water 1520
sh .			1605	1890	
lime			1890	20,15	Floateta Las Tana
SS		e d	. 2015	2130	Electric Log Tops 🗸
sh ss		u s	213Ô	2280	Big_Lime 1903
SS		96 97 S. S.	2280	2394	Weir 2238
sh		•	2394	2466	Bera 2466 Riley 4552
			*2466	2470	Benson 4948
SS		sen .	2470	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Maria Cara Cara Cara Cara Cara Cara Cara
sh ss		*	24 /U	TD	en de la companya de
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•			W. 1		A Company of the Comp
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(Attach separate sheets as necessary)

Anvil Dil Co. Inc.

By: Justin Henderson

Date: Feb. 5, 1987

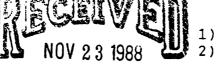
Note: Regulation 2.02(i) provides as follows:

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OR

		Co. Inc.	2275,	1, 00	
s Well 1			•		
	Number:	47-095-1168	MOORE 7	#/ 3) El	evation:_105
: (a) (or Gas		,	
(b)	If Gas:	Production	nXXX/ Underg	round Storage	e /
		Deep	? <u>_</u> /		
Target I	Formation	n(s):Rile	<u>y</u>		
Total De	epth: 4	600	feet		
te fresi	n water s	strata dept	hs: cased	off	
te salt	water de	epths: ca	sed off		
te coal	seam dep	oths: no	пе		
contair	n coal se	ams tribut	ary to act:	ive mine? Ye	es/ No ^{XXX}
		ılate Rilev z	zone	•	
:		FRAC	New For	mateon	
	CASIN	IG AND TUB	NG PROGRAM		
SI	ECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMEN
Size	Grade	Weight ner ft	For drilling	Left in	Fill-up (cu. ft.
			<u> </u>	WCII	/
95/8	•			1289	B15 5KS
				· XI	
و و			——————————————————————————————————————	10	
42				20134	190 SKS
				9010	140 313
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ns set _			DEPARTI	WENT OF ENERGY	
Fo	r Diviso	n of Oil a	nd Gas Use	Only of X	Allan
	Well W	ork Permit	Recl	amation/Fund	WPC
, , i, , ,	WW-	2B () B	<i>L</i> A A	~ / / / / / / /	~/ ///
	Target In Total De te fresh te salt te coal contain Well Work Size See original Size	Target Formation Total Depth: 4 te fresh water sete salt water deste coal seam depth contain coal sete well work: Stimus SPECIFICAT Size Grade see original complete see orig	Target Formation(s): Rile Total Depth: 4600 te fresh water strata dept te salt water depths: Ca te coal seam depths: Mo contain coal seams tribut Well Work: Stimulate Riley CASING AND TUBI SPECIFICATIONS Size Grade per ft. see original completion form 95/8 For Divison of Oil a	Target Formation(s): Riley Total Depth: 4600 feet te fresh water strata depths: cased te salt water depths: mone contain coal seams tributary to act Well Work: Stimulate Riley zone CASING AND TUBING PROGRAM SPECIFICATIONS FOOTAGE IN Size Grade per ft. drilling see original completion form 959 DIVISIONS Set DIVISIONS FOOTAGE IN The second per ft. drilling The second per ft. dri	Total Depth: 4600 feet te fresh water strata depths: cased off te salt water depths: none contain coal seams tributary to active mine? Yes Well Work: Stimulate Riley zone ARAC New Formation CASING AND TUBING PROGRAM SPECIFICATIONS FOOTAGE INTERVALS Size Grade per ft. drilling well see original completion form 95/8 / 289 NOV 23 1988 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY For Divison of Oil and Gas Use Only of Seasons

Page	1	of
Form	W	72-A
(09/8	37)
File	C	ру



3)

Date: <u>August 12,1988</u>
Operator's well number
Moore #1

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

API Well No: 47 - 095 - 1168-FRAC State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Mabel Moore	Name
	Address Rt.2 Box 172 Pennsboro WV 26415	Address
	1 SIMSDOTO WV 204 13	
	(D) Name	(b) Coal Owner(s) with Declaration
	Address	Name
		Address
	(c) Name	
	Address	Name
		Address
6)	Inspector	
,	Address	(c) Coal Lessee with Declaration
	Address	Name
	Telephone (204)	Address
	Telephone (304)-	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE TUAT.
	•	
XXX	Included is the lease or leases or	other continuing contract or
cont	tacts by which I hold the right to	extract oil and dae OP
	included is the information require	ed by Chapter 22D Article 1
Sect	ion 8(d) of the Code of West Virgin	ia (see page 2)
	I certify that as required under C	hapter 22B of the West Virginia Code
I ha	ve served copies of this notice and	application a location alst
acco	mpanying documents pages 1 through	on the shore seed on plat, and
	Personal Service (Affidavit a	on the above named parties, by:
	Certified Mail (Postmarked post	ctached)
	Publication (Notice of Publication	stal receipt attached)
	rabiteaction (Notice of Publica	ation attached)
	I have read and understand Chapter	220 20 ggp 11 10
to th	ne terms and conditions of any perm	22B and 38 CSR 11-18, and I agree
	I certify under penalty of law that	it issued under this application.
fami	liar with the information submitted	t I have personally examined and am
attac	liar with the information submitted	ry of those individuals immediately
respo	onsible for obtaining the information	ry of those individuals immediately
is to	onsible for obtaining the informations, accurate, and complete.	on, I believe that the information
	I am aware that there are circlein	
info	I am aware that there are signification including the acceptable	ant penalties for submitting false
0.	mation, including the possibility	of fine and imprisonment.
	Well operator	Anvil Oil Co. Inc.
	By: (A) V	
	Its: AtsiAen	
	Address P)1. B	ox 1230 Fairmont WV 26554
	Telephone 304-	363_1362
Subsc	cribed and swoth before me this 12	
	1) bol A	_ day of <u>August</u> , 19 <u>88</u>
	/ De Mismalle XV	Notary Public
Му с	ommission expires 18/90	





1) D	ate: Dec	29		, 19	86
	perator's /ell No	Moore	#1	,	
3) A	PI Well No	47		095 -1168	
•		State		County	Permit

STATE OF WEST VIRGINIA DIVISION OF OIL & GAS DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

APPLICATION FOR A WELL WORK PERMIT

I) WEI	I.I. TYP	F A O	i)	/ Ga	ξX	,					
,		B (I	f "Gas", 1	Production	1		Underground:	storage	/ Deep	/ Shallow	_X/)
) LOC	CATION		vation:				Watershed:				
,			strict: Cel		lle	7		vler 09	5Quadrangle: Ш	est Union	7.51 6
o WEI	LL OPE					2 CODE			AGENT Justin		
	Address		2566				0	Address	Box 2566		
	144.400		rksbur	n W/ 21	6301				Clarksburg	WV 26301	
. 011	& GAS		TOR TO	_				9) DRILLING CO	NTRACTOR:		
Nam			owther	DE MOTH	ILD				stal Corporat	ion	
	Address		eneral	Deliv	erv			Address	Parkersburg		
	Auui CSS		iddleb				-	Address		,	
				Drill			•			(
) PRC	OPOSE	D WELL	WORK:			_/ Drill		/ Redrill		/	
				•				ate new formation_	/		
				Other p			vell (specify)				· · · · · · · · · · · · · · · · · · ·
) GEC	OLOGI	CAL TAR	GET FOR	MATION,		enson	435				
12)	Estima	ted depth (of complete	ed well, 💄		<u> 30'</u>	feet				
13)	Аррго	kimate trat	a depths:	Fresh, _	<u> 17</u> !	5	feet; salt	,	feet.		
14)	Approx	kimate coa	l seam dep	ths:]	Is co	al being mined in the	area? Yes	/ No	πο
) CAS	SING A	ND TUBI	NG PROC	GRAM							
CASING (OR I	ı	SPEC	IFICATIONS	6	11	FOOTAGE I	NTERVALS] CEMENT FILL-UP	PACK	ERS
TUBING 1		Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
		11	Giade	per it.	INCH		60	Dett in wen	(Cubic leet)	Anda I	·····
onductor									 	Inds	<u> </u>
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al		8 5/8	 	23		 	ال المهاودا	1350	cts /er	hsid/C/	3100
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										Тор	Bottom
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						0	FFICE USE	ONLY			
							RILLING PE				
, <u></u>							MILLEN, OIL				
									-		0
rmit nu	ımber		47-095	-1168					Janua	ry 5	19 8
rmit nu	ımber		47-095	-1168					Janua Da		19 8
nis perm	nit cove	ring the w	ell operato	or and well					Dated to drill in accordar	te nce with the per	tinent legal re-
nis perm	nit cove	ring the w	ell operato	or and well					Dated to drill in accordar	te nce with the per	tinent legal re-
nis perm irement . 8) Prio	nit cove ts subject	ring the w ct to the c	ell operato onditions of tion of roa	or and well contained l	herein a	and on the r pits for any	everse hereof No permitted work.	tification must be gi- In addition, the w	Da	te nce with the per	tinent legal re-
is perm irement 8) Prio strict oil	nit cover ts subject or to the	ring the w ct to the c construct as inspecto	ell operato onditions o tion of roa or 24 hours	or and well contained l ds, location s before ac	herein a ons and ctual pe	and on the r pits for any ermitted wor	everse hereof No permitted work k has commence	tification must be gi- ln addition, the w d.)	Dated to drill in accordar wen to the District Oil ell operator or his con	te nce with the per and Gas Inspec stractor shall no	tinent legal re- tor, (Refer to tify the proper
nis perm irement . 8) Prio strict oil	nit cover ts subject or to the l and ga	ring the w ct to the c construct as inspecto	ell operato onditions o tion of roa or 24 hours	or and well contained l ds, location s before ac	herein a ons and ctual pe	and on the r pits for any ermitted wor	everse hereof No permitted work k has commence	tification must be gi- ln addition, the w d.)	Dated to drill in accordar	te nce with the per and Gas Inspec stractor shall no	tinent legal re- tor, (Refer to tify the proper
nis perm irement 8) Prio strict oil ne permi	nit cover ts subjects to the land ga itted we ereof.	ring the weet to the construct as inspectors	ell operato onditions o tion of roa or 24 hours	or and well contained l ds, locations before ac the Notice	herein a ons and ctual pe e and A	and on the r pits for any ermitted wor	everse hereof No permitted work k has commence plat, and reclam	tification must be gi- In addition, the w d.) ation plan, subject t	Dated to drill in accordance to the District Oil ell operator or his control on any modifications a	te nce with the per and Gas Inspec stractor shall no	tinent legal re- tor, (Refer to tify the proper pecified on the
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