





IV-35 (Rev 8-81)

State of Mest Wirginia

Bepartment of Mines Bil und Gas Bivision

Date April	18, 1983
Operator's Well No.	Perforations: S
Farm H.G.	
API No. 47	- 085 - 6258

OCT 1 6 1983

Final open flow_

Static rock pressure_

WELL OPERATOR'S REPORT

?		o Diemeal	_	UCT - 3 198
VEIL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production / Underground	nd Storag	e/ Deep	1 3110	PT. OF M
OCATION: Elevation: 980 K.B. Watershed Nu		Quadrangle	Schults	7.5 min
District: Grant County Ritchi	ensians			rmian & Penn
COMPANY Appeo Oil and Gas Corporation	9091		envisimes	ties woo sex
	Cacina	Used in	Left	Cement
ADDRESS 100 s. Orange Ave. S-909. Orlando. Fla	Casing	Drilling		fill up Cu. ft.
DESIGNATED AGENT Richard Brumbaugh	Tubing	DETITING	TII WELL	i Leve in done
ADDRESS 212 Court St. Spencer, WV 25337	Size 20-16		stone	
SURFACE OWNER H.G. Giboney et. ux.	Cond.		381038	entone Hal
ADDRESS Route #1, Cairo, WV 26337	13-10"	201'	201'	to surface
MINERAL RIGHTS OWNER H.G. Giboney et. ux.	9 5/8		NINES (no	250 ft =
ADDRESS Route #1, Cairo, WV 26337	8 5/8	2010'	2010'	350' fill
OIL AND GAS INSPECTOR FOR THIS WORK	7			III O W J W II O
Sameul Hersman ADDRESS P.O. Box 66, Smithville, WV 26178	5 1/2			600 ft =
PERMIT ISSUED 3/1/83	4 1/2	5773'	5773'	2,634 fil
DRILLING COMMENCED 2/21/83 revised permit	3			
DRILLING COMPLETED 3/07/83 (3/02/83)	2	(el	(Ohio Sha	reduction
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON n/a	Liners used	Francisco	ofada ă	noisilia 75%
GEOLOGICAL TARGET FORMATION Marcellus Shale	5907	The state of the s	th 5800	S170 7 8 3 1 1 8
Depth of completed well 5780 feet	Rotary X	/ Cabl	e Tools_	SHO. 802.982.4
and the second second	Salt 117	77- feet	og) saosa	emil egsbno
Water strata depth: Fresh n/a feet;				
Water strata depth: Fresh n/a reet; Coal seam depths: n/a			ed in th	e area? no
Coal seam depths: n/a			ed in th	e area? no
Coal seam depths: n/a OPEN FLOW DATA	Is coal	being mir		
Coal seam depths: n/a OPEN FLOW DATA Producing formation Olentangy and Marcel	Is coal	being mir	oth 5326-	5750 feet
Coal seam depths: n/a OPEN FLOW DATA Producing formation Olentangy and Marcel Gas: Initial open flow 300 Mcf/d	Is coal	being mir y zone dep nitial oper	oth 5326-	5750 feet Bbl/d
Coal seam depths:	Is coal	being min y zone dep nitial open	oth 5326- n flow	5750 feet Bbl/d Bbl/d
OPEN FLOW DATA Producing formation Olentangy and Marcel Gas: Initial open flow 300 Mcf/d Final open flow 100 Mcf/d Time of open flow between init	Is coal lus shalled Oil: In Fi	being min y zone dep nitial open inal open i	oth 5326- n flow flow	5750 feet Bbl/d Bbl/d ours
Coal seam depths: n/a OPEN FLOW DATA Producing formation Olentangy and Marcel Gas: Initial open flow 300 Mcf/d Final open flow 100 Mcf/d Time of open flow between init Static rock pressure 1400 psig(surface	Is coal lus shalla Oil: In Fi ial and fi measure	being min y zone dep nitial open inal open i	oth 5326- n flow flow	5750 feet Bbl/d Bbl/d ours
OPEN FLOW DATA Producing formation Olentangy and Marcel Gas: Initial open flow 300 Mcf/d Final open flow 100 Mcf/d Time of open flow between init Static rock pressure 1400 psig(surface) (If applicable due to multiple completion)	lus shalled Oil: In Fi ial and fi measure	being min y zone dep nitial open inal open i final tests ement) after	oth 5326- n flow flow s 48 h	5750 feet Bbl/d Bbl/d ours
Coal seam depths: n/a OPEN FLOW DATA Producing formation Olentangy and Marcel Gas: Initial open flow 300 Mcf/d Final open flow 100 Mcf/d Time of open flow between init Static rock pressure 1400 psig(surface	Is coal lus shalled Oil: In Fi ial and fi e measure	being min y zone dep nitial open inal open i final tests ement) after ay zone de	oth 5326- n flow flow s 48 h er 24 ho	5750 feet Bbl/d Bbl/d ours ours shut in

Time of open flow between initial and final tests hours

psig(surface measurement) after_

hours shut in

(Continue on reverse side)

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

Stage 1 (Marcellus Shale) Perforations:

5682 to 5750 19 .39 holes

Stage 2 (Olentangy Shale)

5326 to 5555 20 .39 holes

Stimulation:

Nitrogen Completion

800 mscf Nitrogen per stage

250 gallons of 15% HCL used in breakdown process

3 Rhinestreet

ISIP 1st stage 3200 psi ISIP 2nd stage 2900 psi

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Permian & Pennsylvanian systems	surface	1743	Austo :20144810
First Cow Run sandstone	1030	1053	No shows
Second Cow Run Sandstone	1177	1200	No shows Mas All condens MARGACO
Salt Sands	1325	1665	interbedded sandstone and shale
Maxton sandstone	1709	1731	wet, slight show of gas
Greenbriar limestone	1733	1795	0 1 1 1
Big Injun sandstone	1819	1910	Slight show of cas
8 5/8" casing point		2010	
siltstone & shale	2010	2281	
Sunbury (coffee) Shale	2281	2293	Berea sandstone absent
siltstone & shale	2293	4563	Gantz 2407-2417 Gordon 2687-2689 Tiona 3541-3559 Speechley- Balltown 3580-4010
Huron Member (Ohio Shale)		ned permit	Bradford 4116-4128
	4563	4604	Organic shale, slight show of gas
siltstone & shale	4604	4807	
Benson Equivalent (organic marke	There are a second	4812	Organic shale
siltstone & shale J/A	4812	5307	REMORIGING. VERSAL PRISHLES LIA CO
lentangy Shale_Rhinestreet	5307	5557	Organic shales
siltstone & shale CASH	5557	5681	
Marcellus Shale Onondage Limestone (Corniferous)	5681 5760 on 5703 ganne	5703 5728	Organic shale, slight show of gas
and it named farred	BCO EI		T.D. Logger 5728'
y zone depth 5328-5750 feet	Sinds sultan	and the	T.D. Driller 5780'

(Attach separate sheets as necessary)

Corporation

Date:

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 encountered in the drilling of a well." **DRILLING CONTRACTOR:**

1)	Date: FER	7	. 1	9 83
	Operator's			

Well No._

3) API Well No. 47 County

Permit

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

								T APPLICATION		
4)	WELL TYPE:						Underground	torage	_/ Deep	_/ Shallow/)
5)	LOCATION:		ion:					MUTTER FORK		J Shahow/)
		Distric	et:6	RAMT				RITCHIE		SCHULTZ 7.5'
6)	WELL OPERA	TOR	APPCO	OIL & (DAS	CORP.		1) DESIGNATED A		LARD BRAUMRAUGH
	Address		et minima in the same	ORANGI		E. SUZ	EE 909	Address _	SPENCER.	U ST.
7)	OIL & GAS		W. S. T. L. G. S. A. S. S. A.	Ng 2200					OPERUER,	W.VA.
")	ROYALTY OW	VNER _	H.O	. GIBO	VEY	et. ux.	1	2) COAL OPERAT	OR	
	Address		23300	TE # 1				Address _		
				RO, W.1	IA.	26337				
0)	Acreage			8.17 8. GTB	Name of the last				AL MANAGEMENT	ATION ON RECORD:
8)	SURFACE OW Address	NEK		TE # 1	DIG SC A	et. u	to bell a	Name	HONE	
	Address			RO. W.	ra_	26337		Address		
	Acreage		12	8.17		551		Name		
9)	FIELD SALE ((IF MADI						Address _		
	Address	13 to 2011 (1910)	N/A					_		
10)	OW A GAGIN	CDECTO	D TO DE	NOTIFIE			1	4) COAL LESSEE		ION ON RECORD:
10)	OIL & GAS IN	ISPECTO		NOTIFIEL	,			Name	N/A	
	Address). BOX	66				Audiess _		
				CE. W.	VA.	26178				
15)	PROPOSED W	ORK:	Drill		Orill d	leeper	/ Redril	l/ Fracti	ure or stimulate	
								new formation	/	
100	OPOL COLO	TARCE		ysical chan						
	GEOLOGICAI 17) Estimated of						feet	ALL STATE OF THE S	Holes Berein	OVER STREET, S
	18) Approxima							salt, (0)	feet.	
								l being mined in the a		/ No
20)	CASING AND	TUBING	PROGR	AM						
20,					r.c.	1	FOOTAG	E INTERNAL C	CEMENT FILLUR	PACKERS
	CASING OR TUBING TYPE			ECIFICATION Weight		1		E INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
-	Conductor	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	Kinds
-	Conductor Fresh water	8-5/	3 ERW	nes	X		1975	1975*	BACK TO SUR	Killus
-	Coal				SULL		-212			Sizes
1	ntermediate		STATE							
F	Production	4-1/	2 ERW	10.50	X	1000	5798'	57981	MAC ANTRAGORDS A	Depths set
-	Tubing									
<u>I</u>	Liners				ES. L					Perforations:
_										Top Bottom
		10310		100 Mag						
22)	ROYALTY PROSENT IS the right to eximilar provision produced or ma	vide one of is the lead irement of OVISION atract, proon for comarketed?	f the followse or lease of Code 22 is duce or manpensation.	es or other 2-4-1-(c) (1) arket the oin to the ow No	throu il or ga ner of	gh (4). (Se as based upon the oil or	e reverse side f on a lease or oth gas in place wh	er continuing contrac	t or contracts providir	gas. ng for flat well royalty or an ne of oil or gas so extracted
23)	Required Copie	s (See rev	erse side.							thought to be don't
24)										elivered by hand to the above ication to the Department of
	Mines at Charle							J. John St.		- P
1	Notary:			terie was		12 10 2 1		Signed:	m X m	
	My Commission	Expires						Its:	ald And	
							DICE LICE	NII Y		e water - way as
							FICE USE (THE PARTY OF THE P		
D	wit naveska					DR	ILLING PE	KWII I		19
	nit number								Date	
quir (Ref	ements subject t	o the cond for to the cond and gas insp	ditions co construction pector 24	ntained her on of roads.	ein an locati	d on the re	verse hereof. No s for any permi	otification must be gated work. In addition	iven to the District O	ce with the pertinent legal r bil and Gas Inspector. his contractor shall notify the
Peri	nit expires	00	stober	10, 19	183		unless d	rilling is commenced p	orior to that date and	prosecuted with due diligence
I	Bond:	Agent	i:	Plat:		Casing	Fee			
					1		A RIVER	Adn	ninistrator Office of	Oil and Gas

FORM IV-2 (Obverse) (6-82)

DRILLING CONTRACTOR:



1)	Date:	ARCH 1st	t			, 19_	13
2)	Operator's Well No.	GIBONE	/#	4A			
0)	A D. W. II A.	47	DAF		65)5Q.	Roy.

County

Permit

State

STATE OF WEST VIRGINIA

				OLD THE	ID GAS	WELL PERMIT	ATTLICATION		
WELL TYPE:	A Oil		∠ Gas	X					
, , , , , , , , , , , , , , , , , , , ,		Gas", Pro		Χ		Underground sto	rage	/ Deep	/ Shallow/
LOCATION:	Elevati	on:	310.	17		Watershed:	TOUTE TURK		SC4011 T7 7 81
WELL OPERA	Distric		L & G/	is cor	P	County:	TORIE.	Quadrangle:) H ROLLMRAUGH
WELL OPERA Address	ATOR	ORANG	E ST.	SUI	TE 90	11)	DESIGNATED A	AGENT	IRT ST.
Address	ORLANI	00,FL.	32807		Part de Barre	el eliment set	Address _	SPENCE	8,W.V. 125276
OIL & GAS								toward at the	A 1989 A
ROYALTY O	WNER _	H.G.GI	BONEY	etux.	27	12)	COAL OPERAT	OR	
Address	RE.	LONK	AU-9M+1	F & 1 E, 5(2)	19.1		Address _		
Acreage						13)	COAL OWNER	S) WITH DECLARA	ATION ON RECORD:
SURFACE OV	VNER	H.G.	GIBONE	EY etu	IX.		Name	, WIIII 2202.III	ATTOTY OF ALLOCAD.
Address	Rt.	1 CAR	10,W.\	1. 263	137		Address _	a the serve below	
							_		Tablety is
Acreage	(IE MADE	TO.					Name		
FIELD SALE Address	(IF MADE	.) 10:					Address	Para Landa de Cara de	
ridaross		A				14)	COAL LESSEE	WITH DECLARATI	ON ON RECORD:
OIL & GAS II	NSPECTO	R TO BE	NOTIFIE	D			Name		
Name	SAMU	EL HER	CHMAN				Address _		
Address	CHIT	HA 14 T E	W.V.	2617	3				
DPODOSED I	VOPV.	Drill	,	Drill do	ner	/ Dadrill	/ Fracti	ire or stimulate	,
PROPOSED V							w formation		
		Other phy							
GEOLOGICA					KUELL	US			
17) Estimated					100	feet	A CHEST OF STREET		
18) Approxim				N/A	TNO		lt,	feet.	/ N-
19) Approxim				77.5		Is coal t	eing mined in the a	rea? Yes	/ No
CASING ANI	TUBING	PROGRA	AM		A	early and	. Alien et et alie		
CASING OR TUBING TYPE	,	SPE	CIFICATIO	NS I		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
. ODING TITE	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	400
Conductor	11 3/4	MAU	94	X		1075	1075	FILL AS PERS	Kinds
Fresh water Coal	0.9/6	LAW	24	^		40.13			Sizes
Intermediate									Sizes
Production	4 1/2	ERW	10%	X		5900'	5900'	FILL AS REC	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
EVTD A CTIO	I DICHTS								
EXTRACTION Check and pro			wing:						
☐ Included	is the leas	se or lease	s or other					right to extract oil or	gas.
			-4-1-(c) (1) through	1 (4). (S	ee reverse side for	specifics.)	SEE KII-0258	
ROYALTY PR			arkat tha	il or con	hand ur	on a lease or other	continuing contrac	t or contracts providir	ng for flat well royalty or
similar provisi	on for com	pensation	to the ov	wner of t	he oil or	gas in place which	h is not inherently	related to the volum	e of oil or gas so extrac
produced or m	arketed?	Yes 🗌	No 🔲						
			tional is n	reeded. I	f the ans	wer is Yes, you ma	ay use Affidavit Fo	rm IV-60.	
Required Copi Copies of this			and the e	nclosed t	lat and	reclamation plan h	ave been mailed by	registered mail or de	elivered by hand to the a
named coal of	perator, co	al owner(s	s), and co	al lessee	on or be	fore the day of the	mailing or deliver	y of this Permit Appl	lication to the Departme
Mines at Char				+	1			in Mil	
	11/1021		man y	13100	4		Signed:	de l'important	Williams and the second
My Commission	Expires	162 -	* /	12			Its:	10000000000000000000000000000000000000	SUPER TO STREET
					01	FICE USE OF	NI Y		
	47 70	5.425	a. Driv			RILLING PER		March 4	
									19
rmit number		15 Hay 10							
								Date	
is permit coverin	g the well	operator a	and well le	ocation s	hown be	low is evidence of	permission granted	to drill in accordance	ce with the pertinent leg
s permit coverin rements subject efer to No. 10) P	to the condrior to the	ditions cor construction	ntained he	rein and is, location	on the n	everse hereof. No oits for any permitt	tification must be a ed work.In addition	to drill in accordance	ce with the pertinent leg
is permit covering trements subject tefer to No. 10) P	to the condrior to the nd gas insp	ditions cor construction	ntained he on of road hours befo	rein and ls, location ore actua	on the n	everse hereof. No oits for any permitted work has comm	tification must be a ed work. In addition nenced.)	to drill in accordance to the District C, the well operator or	ce with the pertinent leg

NOTE: Keep one copy of this permit posted at the drilling location.

Administrator, Office of Oil and Gas