

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

Office of Cld & Gas

Emire S. Sibolica

	Well Or	erator's Re	port of W	ell Mork		
Farm name:	FLINT OIL & GAS	s co.	Operator	Well No.: F	FLINT #1	•
LOCATION:	LOCATION: Elevation: 757.00 Quadrangle: CENTER POINT					
	District: GRAN Latitude: 1283 Longitude 8520	30 Feet Sout	h of 39	Deg. 25Min.	. 0 Sec.	
P. JAN	INION APPALACHIA O. DRAWER R E LEW, WV 26378	3-0000	Casing & & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Agent: JOH	N T. HASKINS		Size			
Inspector: Permit Issu Well work (	N T. HASKINS  MIKE UNDERWOOD  ded: 06/2  commenced: 7/17/2  completed: 7/31  gging granted on: N  Cable R  i (feet) 5100'	25/97 /97	11 3/4	127.15'	127	65
Well work C Verbal Plug	Completed: 7/31	/97	8 5/8	931.60'	931.60'	200 sks.
Rotary X Total Depth Fresh water	granted on: N Cable R (feet) 5100' depths (ft) 30	ig ',147',568'	4 1/2	5005'	5005'	580 sks.
	depths (ft) N		1		1	1
Is coal be Coal Depths	ing mined in are s (ft):582'	a (Y/N)?N	land plant of the state of the	Walker of the Control		
OPEN FLOW I			1			,
Producing formation Benson Pay zone depth (ft)4846-4852 Gas: Initial open flow 33 MCF/d Oil: Initial open flow N/A Bbl/d Final open flow 103 MCF/d Final open flow N/A Bbl/d Time of open flow between initial and final tests 48 Hours Static rock Pressure 1050 psig (surface pressure) after 48 Hours						
Second producing formation Pay zone depth (ft)  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d  Time of open flow between initial and final tests Hours  Static rock Pressure psig (surface pressure) after Hours						
INTERVALS, LOG WHICH	ACK OF THIS FOR FRACTURING OR IS A SYSTEMAT COAL ENCOUNTERED	STIMULATING IC DETAILED	GEOLOGIC LBORE	AL CHANGE, AL RECORD	OF ALL FO	RMATIONS,
	1	•		CAVALLO; MA		

Date:

1 STAGE(S)	20 # GEL	FRAC		DATE	8/1/97
ES DIRECTOR	PERFS H		BBL	BP	ISIP
NSON	4846-4852	14	492	2194	0
					Ü
MAMION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
MATION	COLOR	HARD/ BOL I	101	DOTTON	MITATING
-GL			0	10	
ID & SHALE	GRAY	HARD	10		OLE WET @30'
D & SHALE	GRAY	MEDIUM	45	55 1 98	/2" Stream
ID & SHALE	GRAY	HARD MEDIUM	55 98	103	
ID & SHALE	GRAY/RED				
ID	GRAY (DED	HARD	103 150	150 270	
SHALE	GRAY/RED GRAY	MEDIUM HARD	270	350	
ID & SHALE	GRAY/RED	MEDIUM	350	483	
ND/SHALE/RR	GRAY	HARD	483	500	•
ID & CHAIF	GRAY	HARD	500		HOLE SHOWED
ND & SHALE AL & SHALE	BLACK/GRAY	SOFT	582		/2" H2O @568'
ND	GRAY	HARD	587	598	2 1120 6500
ND & SHALE	GRAY	MEDIUM	598	649	
& SHALE	RED/GRAY	MEDIUM	649	665	
ND	GRAY	HARD	665	711	A. (
& SHALE	GRAY/RED	MEDIUM	711	764	- d - c
ND	GRAY	HARD	764	785	
& SHALE	GRAY/RED	MEDIUM	785	808	
ND & SHALE	GRAY	MEDIUM	808	87.0	
ND	GRAY	HARD	870	882	
ND & SHALE & RR	GRAY/RED	MEDIUM	882	994. D	USTING @ 990'
ND & SHALE	GRAY	HARD	944	1055	
ND & SHALE & RR	GRAY/RED	MEDIUM/SOFT	1055	1293	
ND	WHITE	HARD	1293	1331	
ND & SHALE & RR	GRAY/RED	RED/SOFT	1331	1355	
ND	WHITE	HARD	1355	1364	
ND/SHALE/RR	GRAY/RED	MEDIUM/SOFT		1388	
ND	WHITE	HARD	1388	1406	
ND & SHALE	GRAY	MEDIUM	1406	1502	
ND	GRAY	HARD	1502	1546	
ND & SHALE	GRAY	MEDIUM	1546		
ND	GRAY	HARD	1580	1608	
ND & SHALE	GRAY	MEDIUM	1608	1716	014' Oil odor
LIME	GRAY	HARD	1705 1716	1740	
ND & SHALE	GRAY	MEDIUM	1740	1814	
LIME	GRAY	HARD	1814		as CK @1925 N.S.
JUN SAND	GRAY	HARD	1903	1923 C=	as CK @1923 N.S.
ND & SHALE & OIL	GRAY	MEDIUM	1923		Odor, Hole Damp
ND C CHAIR	GRAY	HARD MEDIUM	1970		P. on hole 2009
ND & SHALE	GRAY	HARD	2106	2145 c=	as Ck @2041 N.S
ND C CHATE	GRAY	HARD	2145	2235 Ga	as CK @2663' N.S
ND & SHALE	GRAY GRAY	MEDIUM	2235	3205 Ga	as Ck @4510' N.S
ND & SHALE	GRAY	HARD	3205	3236 Ga	as Ck @ 5100 N.S
ND ND & SHALE	GRAY	MEDIUM	3236		as Ck DCS 10/10-
LEY	BROWN/GRAY	MEDIUM	4403	4430	1" H2O
ND & SHALE	GRAY	SOFT	4430	4847	
INSON	BROWN	HARD	4847	4851	
NO E SHATE	GRAY	MEDIUM	4851	4861	
IND COLUMN TO THE REAL PROPERTY OF THE PERTY	LT. BROWN	HARD	4861		
AND & SHALE	GRAY	MEDIUM	4873	5100	
and the second s			TD	5100	
			<u> </u>		•

017-4382

Page\_\_\_of

## STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1)	Well Ope	rator: <u>DO</u>	MINION AP	PALACHIAN	73s developmen	T, INC. 4785	286 (
2)	Operator	's Well h	Number: F	LINT OIL &	GAS #1 (	3) Ele	vation:757
				or Gas		Issued	06/25/97
74		(b) - 1	If Gas:	Production Deep		cound Storage Shallow	<del></del>
23774	Proposed	Target I	Formation	(s): <u>Be</u>	nson 435		
				50001			$JD\gamma$
	Approxim	ate fresh	n water s	trata dept	hs: <u>80'</u>		JUN - 1007
	Approxim	ate salt	water de	pths:	850'		Cities of Oil 2 ess
9)	Approxim	ate coal	seam dep	ths:	0		
10)	Does lan	d contair	n coal se	ams tribut	ary to act	ive mine? Ye	s/ No <u>x</u> /
11)	Proposed	Well Wor	ck: DRILI	L & STIMULA	ATE NEW WEL	.L	,
12)		•	CASIN	G AND TUBI	NG PROGRAM		
TYPE		SI	PECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ictor						JO.K Mile
Fresh	water	11 3/4"			130 1	130' CTS	38 CSR 18-11.3
Coal							
Inter	mediate	8 5/8"		20#	900 1	900' CTS'(	38 CSR 18-11.2.2
Produ	ction	4 1/2"		9.5#	4950'	4950'	38 CSR 18-11.1
Tubir	ıg		·				
Liner	S	>					
PACKE	<u>ERS</u> : Kin						
,		ths set					
		F	or Diviso	n of Oil a	nd Gas Use	Only	
/   Fee(s) paid:     Well Work Permit     Reclamation Fund     WPCP							
Plat							
						/ エストニ /	

Page 1 of	
Form WW2-A	•
(6/94)	
File Copy	

1)	<b></b>	JUNE	·	997	
2)					
F	LINT OIL &				
3)	API Well N	o: 47 -	017	- 4382	
		State	County	Permit	

## STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE 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 FLINT OIL & GAS Co.	Coal Operator: Name _ N/A Address	
	Address c/o ROSEMARY HAUGHT	Address	
			~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	(XX)XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(b) Coal Owner(s) with Declaration	
	Address	Name NONE WITH DECLARATION	
	Market Control of the	_Address	
	(c) Name	Name	
	Address	Name	
		Address	
6)	Inspector MIKE UNDERWOOD	(c) Coal Lessee with Declaration Name N/A Address	
	Address ROUTE 2 BOX 135	Name N/A	
	SALEM, WV 26426-0135	Address	
	Telephone (304) 782 1043		
	TO THE PERSON(S) NAM	MED ABOVE TAKE NOTICE THAT:	
	4		
right	included is the lease or leases or othe o extract oil and gas <u>OR</u>	er continuing contract or contracts by which I	hold the
X	Included is the information required by	Chapter 22, Article 6, Section 8(d) of the Code	of West
Virgin	iia (see page 2)		
Ū	I certify that as required under Chapter	r 22 of the <u>West Virginia Code</u> I have served	copies of
this r	otice and application, a location plat, a	nd accompanying documents pages 1 through	h on
the al	pove named parties, by:	, , 3 man and pages and ange	
	Personal Service (Affidavit attac	thed)	
	x Certified Mail (Postmarked posta	al receipt attached)	
	Publication (Notice of Publication	n attached)	
	***	-	
I	I have read and understand Chapter 2	22-6 and 38 CSR 11-18, and I agree to the te	erms and
conai	tions of any permit issued under this app	plication.	
	I certify under penalty of law that I	have personally examined and am familiar	with the
Intorr	nation submitted on this application form	n and all attachments, and that based on my i	inquiry of
tnose	individuals immediately responsible for	obtaining the information, I believe that the inf	formation
is tru	e, accurate, and complete.		
nossi	I am aware that there are significant p bility of fine and imprisonment.	penalties for submitting false information, inclu	uding the
poot.	Well Operat	tor pominion appalachian development	. INC.
	By:		<del></del>
	Its: SENIOR	JOHN T. HASKIN	<u> </u>
		O DRAWER R	<del></del>
		ANE LEW, WV 26378	
	Telephone Telephone		
Subs	cribed and sworn before me this 4th da	ay of Orene 1997	
1	1 1 4 0 1 1 1	_	
Mario	Immission expires	Notary Public	
yry U	mmission expires // Jecembe	ex de, don o	