Swiger (Flint Run

091

JAN 1 9 1990

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

Farm name:	GEARY, JAMES	Р.	Operator	Well No.:	JAS. SMIT	H 1-A
LOCATION:	Elevation: 11	L86.00 Quad	rangle: Wi	EST UNION		
	District: GF Latitude: 10 Longitude 13	RANT 1490 Feet Sou 190 Feet Wes	Co th of 39 t of 80	ounty: DODD Deg. 22Min Deg. 45 Mi	RIDGE . 30 Sec: n. 0 Sec	•
P. (LING APPALACH D. BOX 99 A, WV 26320-0		Casing	Used in	Left	Cement
	WETH R. MASON		& Tubing	Drilling	in Well	Fill Un Cu. Ft.
	IIKE UNDERWOOD		Size	* *** *** *** *** *** *** *** *** ***		TO SURFACE
Permit Issue Well work Co	ed: 12 ommenced: 22	/05/80	8%	1268	1268	290=0
Werbal Plugg Permission q	ing ranted on:	30 /89	4/2		1	1300°
Rotary Total Depth	Cable	Rig				
Salt water d	epths (ft)	1414	******	en e	enology contact	
Is coal bein Coal Depths	g mined in ar (ft):	ea (Y/N)?			,	
OPEN FLOW DA	TA	·				
Gas: In Fi Static Second Gas: In Fi Ti Static	ng formation itial open flow nal open flow me of open flow rock Pressure producing form itial open flow nal open flow me of open flow rock Pressure	OW SHOW MCF/ 292 MCF/ OW between in psig mation MCF/ OW MCF/ OW MCF/ OW DETWEEN in psig	d Oil: In d Fi itial and (surface y Sano d Oil: In itial and (surface	final test pressure) Pay zone d itial open nal open fl final test pressure)	ow os 26 after epth (ft) flow ow safter safter	Bbl/d Bbl/d Hours 4754 & 80 Bbl/d Bbl/d Hours Hours
OG WHICH IS	COF THIS FOR RACTURING OR SA SYSTEMATI AL ENCOUNTERED	C DETAILED (PHYSICAL			
	F	or: DRILLING	APPALACHI	AN CORP.		
		By: Za	meth K	Masen		

GEOLOGICAL WELL RECORD DATA

PERMIT NUMBER: 47-0174-3764

	TOP	BOTTOM	
SOIL	0	25	
BROKEN SAND	25	275	
SANDS AND SHALES	275	1085	
LITTLE DUNKARD SAND	1238	1260	
BIG DUNKARD SAND	1402	1438	SALT WATER
1ST SALT SAND	1654	1722	
2ND SALT SAND	1818	1934	
3RD SALT SAND	1970	2006	
MAXON	2078	2104	
BIG LIME	2122	2176	
BIG INJUN SAND	2185	2312	SHOW GAS
WEIR	2466	2542	
BEREA SAND	2677	2680	
GORDON SAND	2887	2917	SHOW GAS
FIFTH SAND	3040	3044	
WARREN	3534	3582	
RILEY	4740	4780	SHOW GAS
BENSON	5200	5204	SHOW GAS
TOTAL DEPTH	5302		- and the state of

WELL TREATMENT SCHEDULE

Benson Sand

5201 - 5204 Perforated with 16 holes Formation Break Down 2160 PSI

Hydraulic frac with Nitrogen assist Average Treating Rate 19 barrels per min 435 barrels of gel treated water 250 sacks of 20/40 sand 50 sacks of 80/100 sand 70,000 scf of Nitrogen

Average Treating Pressure

2160 PSI

Riley Sand

4754 - 4780 Perforated with 16 holes Formation Break Down 2150 PSI

Hydraulic frac with Nitrogen assist Average Treating Rate 17 barrels per min 208 barrels of gel treated water 45 sacks of 20/40 sand 30 sacks of 80/100 sand 27,000 scf of Nitrogen

Average Treating Pressure

2600 PSI

47-017-3764 losued 12/05/89 STATE OF WEST VIRGINIA CYPTIES 12/05/91

FORM WW-2B

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

		WELLL WI	ORK PERMIT	APPLICATION	1./	670
l) Well Op	erator:_	DRILLING A	APPALACHIAN (CORPORATION /	14425, 3,	, 070
						levation: 186
4) Well ty	pe: (a)	Oilx_/	or Ga:	5 <u>X</u> /		
	(b)	If Gas:		n_X/ Undergr		
5) Propose	d Target	Formation	n(s): BE	NSON/RILEY	SHRII	
6) Proposed	d Total D	epth:	5400±	feet		
7) Approxi	mate fres	h water s	strata depi	:		
			•			
						es/ No_X_/
				RATE STIMULAT		1
12)						
·		CASIN	G AND TUB	NG PROGRAM		
TYPE	S	PECIFICAT	TIONS	FOOTAGE IN	TERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"		42#	30	0	1, 10
Fresh Water		i				N. W. W.
Coal					/	
Intermediate	8-5/8"		20#	1300'	1300'	38CSR18-11.2.2 38CSR18-11.2
Production	4-1/2"		10.5#	5376'	5306'	38CSR18-11.1
Tubing	~					
Liners					12)	APIETO TO
<u> PACKERS</u> : Kir	nd				12. 27.	Ly Carrie V
	es oths set				(3)	DEC SO 1929 C
298	•	or Diviso	n of Oil a	nd Gas Use	Only DEM	ARTMENT CLANERGY
//// Fee(s) p	/_	//	ork Permit	11	amation Fun	
	カンブ	- //; "				

Plat WW-9 WW-2B

Page 1 of 5 Form WW2-A (09/87) File Copy



Date: Nov. 27, 1989
Operator's well number

J. A. SMITH #1-A

API Well No: 47 - 017 - 3764 State - County - Permit

DIVISION OF OIL & GAS DEPARTMENT OF LINERGY

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface C	wner(s) t	o be served:	5) (a) Coal Operator	•		
	(a) Name	James P. G	eary	Name			
		%Geary and	Geary	Address			
		104 N. Mai	n St., Petersburg	, WV 26847			
	(b) Name	T. H. Lant	.Z	(b) Coal Owner(s) wi	th Declaration		
	Address _	(same as a	bove)	Name			
				Address			
	(c) Name	Leon J. Wi	lson				
	Address _	(Same as a	bove)	Name			
				Address			
<i>c</i> \	T	Mike Under	Door	(c) Coal Lessee with	Declaration		
6)		Rt. 2, Box			Decidiación		
				Name			
		Salem, WV		Address			
	Telephone	e (304)- <u>-</u> 7	782-1043				
		TO THE PE	ERSON(S) NAMED	ABOVE TAKE NOTICE THAT:	·		
Sect I ha	Included ion 8(d) (I certify ve served mpanying (Pers Cert Pub: I have re	which I ho is the ir of the Coo y that as copies of documents sonal Serv tified Mai lication e ead and ur	old the right to formation required under this notice a pages 1 througyice (Affidavitial (Postmarked (Notice of Publanderstand Chapt	or other continuing cor o extract oil and gas (ired by Chapter 22B, Ar inia (see page 2) Chapter 22B of the Wes nd application, a locat h 5 on the above name attached) postal receipt attached ication attached) er 22B and 38 CSR 11-18 rmit issued under this	or ticle 1, st Virginia Code ion plat, and ed parties, by:		
fami atta	I certify liar with chments,	y under pe the infor and that h	enalty of law t rmation submitt based on my inq	hat I have personally e ed on this application uiry of those individua	examined and am form and all als immediately		
resp	onsible f	or obtain:	ing the informa	tion, I believe that the	ne information		
			complete.				
				icant penalties for sul			
info	ormation,	including	the possibilit	y of fine and imprison	ment.		
~~~~		~~~~~~~~	Well Operato	r DRILLING APPALACHIAN	CORPORATION		
<b>FIRE</b>	OFFICI.	AL SEAL	By:	Kenneth & Meson			
- A		Y PUBLIC	Its:	President			
	e~ :> A	est virginia Mason	Address	P. O. Box 99			
	P.O.	Box 48		Alma, WV 26320-0099			
	Alma, West V	Vinglala 26320 xpiros Jan. 28, 1297	Telephone	(304) 758-4638			
Subs		design b		27th day of November	, 19 <u>89</u>		
			****	16/11	-		
				Ill beser	Notary Public		
My c	commission	expires	*	1/28/97	<del></del>		