





IV-35 (Rev 8-81)

OIL & GAS DIVISION, State of Mest Hirginia DEPT. OF MINES Bepartment of Mines

Date May 27, 1982
Operator's
Well No. 1-A
Farm Easter
API No. 047- 109 - 0859

Bepartment of Mines
Gil und Gas Bivision

WELL OPERATOR'S REPORT OF							
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE							
WEIL TYPE: Oil/ Gasx/ Liquid Injection/ Waste Disposal/ (If "Gas," Production/ Underground Storage/ Deep/ Shallow_x_/)							
IOCATION: Elevation: 1437 Watershed	Laurel Fo	rk					
District: Oceana County Wyom:	ing	Quadrangle	e Matheny	7 75'	• •		
COMPANY Peake Operating Company					_		
ADDRESS 201 Dunbar Office Park, Dunbar, WV 25064	a - :		- 6	Cement	7		
DESIGNATED AGENT Floyd B. Wilcox	Casing	Used in	Left	fill up			
ADDRESS 201 Dunbar Office Park, Dunbar, WV 25064	Tubing	Drilling	in Well	Cu. ft.	┥		
SURFACE OWNER W. S. Easter	Size 20-16						
ADDRESS Jesse, W. Va.	Cond.	30'	30'		-		
MINERAL RIGHTS OWNER V. S. Easter	13-10"	175'	175 '		4		
ADDRESS Jesse, W. Va.	9 5/8	525'	525'		-		
OIL AND GAS INSPECTOR FOR THIS WORK Rue	8 5/8			<u>:</u>	-		
Schoolcraft ADDRESS Pineville, W. Va.	7				4		
PERMIT ISSUED June 26, 1981	5 1/2				-		
DRILLING COMMENCED October 13, 1981	4 1/2	3176'	3176'	 	4		
DRILLING COMPLETED October 24, 1981	3				1		
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	·			-{		
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used				4		
ON	<u>. </u>				4		
GEOLOGICAL TARGET FORMATION Berea				4feet	.(GL)		
Depth of completed well 3529 (GL) feet R			· T∞ls_		-		
Water strata depth: Fresh 40', 197feet;				_			
Coal seam depths:	Is coal	being mine	ed in the	area?	- '		
OPEN FLOW DATA							
Producing formation Ravencliff	Pay	zone dept	th 1561-15	<u> 591 feet</u>	(GL)		
Gas: Initial open flow 146 Mcf/d	Oil: Ini	tial open	flow	Bbl/d	1		
Final open flow 304 Mcf/d					l		
43 MCF Time of open flow between initi	al and fi	nal=tests	4 ho	urs			
Static rock pressure 420 psig(surface	measurem	ent) after	s hou	shut in	ì		
(If applicable due to multiple completion-	-)						
Second producing formation Big Lime	Pay	zone dept	-h <u>2756-27</u>	66 feet	(GL)		
Gas: Initial open flow 28 (net) Mcf/d				-			
Final open flow 127 Mcf/d	Oil: Fin	al open fi	low	Bbl/d	İ		
Time of open flow between in the							
Static rock pressure 445 psig(surface	measureme	nt) after	5 haga	kš shut in	ı		

FORM IV-35 (REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated Big Lime 12/7/81: 2759-2762, 2764-2769 (2 holes per foot). Acidized with 1,000 gals. of 28% HCL and 8,000 gals. of 15% gelled HCL. Water treated with F78.

Perforated Ravencliff Dec. 9: 1565-68 (6 holes); 1586-88 (6 holes); 1588-92 (8 holes). First frac job would not break down formation.

Perforated Ravencliff Dec. 14: 2 holes per foot from 1564-72, 1584-94.

Fraced Ravencliff Dec. 14: Treating fluid J266 gel; 15,000 lbs. of 80/100; 45,000 lbs. of 20/40. Amount and acid type 500 gals. 15% HCL. Surfactant type and amount was 55 gals. of F75. Gelling agent and amount - J266, 850 lbs. Breaker type - J218, 44 lbs. Average treating pressure 2300 lbs. Average BTM 20 lbs. per minute. 4 lbs. of sand per gallon.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Depths from D. F.	3' above G	L.	
Overburden	0	20	Water at 40' 5-6 g.p.m.
Sand and shale	20	337	Water at 197' 20-30 g.p.m.
Sandstone - hard	337	435	0.1
Sand and shale	435	490	
Sand and stone	490	625	
Sand and shale	625	1138	
Sand	1138	1210	
Sand and shale	1210	1295	
Red Shale	1295	1333	
Sand and limey shale	1313	1420	
Sand and shaley sand	1420	1558	Gas check 1513 TSTM
*Ravencliff	1558	1599	Gas check 1622 146 Mcf
*Avis Lime	1559	1638	
Shale	1638	1987	Gas check 1977 119 Mcf
*Middle Maxton	1987	2063	Gas check 2079 103 Mcf
Sand and shale	2063	2365	ous eneck 2079 103 her
*Little Lime	2365	2497	
*Pencil Cave	2497	2517	Gas check 2517 112 Mcf
*Big Lime	2517	2844	Gas check 2845 140 Mcf
Red sandy shale	2844	2850	Gas check 3431 133 Mcf
Sandy shale	2850	3054	sub eneck 5451 155 her
Weir	3054	3072	Gas check 3456 133 Mcf
Shale	3072	3402	das eneek 3430 133 het
Coffee shale	3402	3424	
Berea	3424	3448	
Shale	3448	3532	
Packer set at 2576	•		
1 test May 17, 1982	Poforo tub		ina CI /20/h
			ing SI pressure 420#.
ore test, tubing SI ssure 445#.			l hour after tubing
ssure 445#.			the packer has
n flow after:	separated t	he two pay z	ones.
r 207 MCF	Casing was	then tested:	
r 169 MCF	l hour -		
r 127 MCF	2 hours -		
r 127 MCF	3 hours -	332 MCF	
dan about to obtain the	4 hours -		
ing shut in after test:	•		
our - 195#	10	XX.	
our - 250#	All I DA	William Basi	ke Operating Company

Thurd D Willay Peake Operating Company Well Operator Floyd B. Wilcox By:

May 27, 1982 Date:

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic letailed geological record of all formations, including encountered in the drilling of a well."

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(Revised 3-81)



Well No. #1-A Easter	
Farm Easter	
API #47 -109 - 0859	
Date June 19, 1981	

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OFFICE OF OIL AND GAS - DEPARTMENT OF MINES OIL AND GAS WELL PERMIT APPLICATION WELL TYPE: 0il / Gas x / (If "Gas", Production x / Underground storage / Deep / Shallow x / Elevation: 1437' Watershed: Laurel Fork of Guyandotte River LOCATION: District: Oceana County: Wyoming Quadrangle: Matheny 75 DESIGNATED AGENT Floyd B. Wilcox WELL OPERATOR Peake Operating Company Address 201 Dunbar Office Park Address 201 Dunbar Office Park Dunbar, WV 25064 Dunbar, WV 25064 OIL AND GAS COAL OPERATOR N/A ROYALTY OWNER W. S. Easter Address General Delivery Address Jesse, WV 24849 Acreage 26.17 COAL OWNER(S) WITH DECLARATION ON RECORD: SURFACE OWNER W. S. Easter NAME W. S. Easter General Delivery Address Address General Delivery Jesse, WV 24849 Acreage 26.17 Jesse, WV 24849 NAME Address FIELD SALE (IF MADE) TO: NAME N/A COAL LESSEE WITH DECLARATION ON RECORD: Address NAME N/A Address OIL AND GAS INSPECTOR TO BE NOTIFIED: NAME Rue Schoolcraft JUN 2 2 1981 Address P. O. Box 706 Pineville, WV 24874 Telephone OIL & GAS DIVISION DEPT. OF MINES The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease \underline{x} / other contract__ / dated $\underline{\text{Aug. 9}}$, $\underline{1980}$, to the undersigned well operator from W. S. Easter (If said deed, lease, or other contract has been recorded:) Recorded on May 28, 1981, in the office of the Clerk of County Commission of County, West Virginia, in <u>Deed 330 B</u>ook at page <u>973</u> . A permit is Wyoming requested as follows: PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) --planned as shown on the work order on the reverse side hereof. The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL Peake Operating Company GEOPHYSICAL LOGS DIRECTLY TO: Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E. CHARLESTON, WV 25311 Telephone - 304/348-3092

BLANKET BOND

Its:

Attorney-In-Fact

Well aperator Willy

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING C	ONTRACT	OR (IF	KNOWN)	Unkn	.own					
-		А	ddress							
. :			•		1.1	1 - 2				•
Approxi Approxi	ed dept mate wa mate co	h of co ter str al seam	mpleted ata dept depths:	well_ hs: Non	Fresh e	fee	feet;	ry <u>x</u> / Cab salt, 700		
			n this a	rea.	162_	/ NO_				
CASING AND	TUBING			0110:55	•.	IFOOTACE	LUTEDVALC	ICEMENT ELLI	D A (CNEDC =:
CASING OR		SPE	CIFICATI					CEMENT FILL	3	CKERS
TUBING TYP		lo i	Weight		111		•	UP OR SACKS Cubic ft.		
		 	per ft	1	usea	T	Well Well	LUDIC IL.	Kinds	
Conductor Fresh wate	<u>16"</u> r	K-55	23#	X	<u> </u>	30'	30'	las	عناد	
Coal							·	170 X M	iSizes	
Intermed.	8 5/8	K-55	23#	х		1200'	1200'	150 sacks a		
Production		K-55	9.5#	Х		31600'	1600'	300 sacks	Depths	set
Tubing		K∸55	4.6#	Х		1563'	1563'		į	
Liners	1								Perfora	ations:
									Top	Bottom
	i				Ī				:	·
									<u> </u>	
requested to the wind of the W. for drill operations here.	ired by 4-8a frod well. parate 1 e fraction. The second of	Form IV- uring or is noted the localidate This mmenced E	22-4-12a owner of -2 shall r stimul d as such D AT THE noce with Clon is hereby s permit sha by 2-26-8 Wision	not any not ating h on WELL: appear approved the service of the s	water be rec is to the Fo	if applic well or quired fo o be part orm IV-2	eable, the dwelling of fracture of the work filed in a	id on the sa consent requithin 200 fing or stimu ork for whice connection t	uired by eet of t lating o h a perm herewith	y Code the pro- n well nit is n.
or c is t The undersi The cation has been of the	oal less c be is: gned co as exami well l no obje or has	see who sued wi al oper ned thi ocation tomplie	has rec thin fif ator s propos , the we o the wo	orded teen / own ed we ll lo	$\begin{array}{c} a & dec \\ (15) & c \\ \hline W & A & I \\ ell & locatio \\ copose \end{array}$	claration days of r $\frac{V}{I} = \frac{R}{I}$ lesses cation. In has been decided to be considered.	under Cooreceipt the e/ of If a mine en added t done at th	rator and by de \$22-4-20, ereof: the coal und map exists o the mine m is location, of the West N	if the der this which co map. The provid	permit well overs the e under- ed the
Date:		, 19)			-			-	
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