

6,625



IV-35 (Rev 8-81)



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State of Mest Airginia

Department of Mines Oil und Vas Pivision

Date	July 23, 19	987				
Operator's						
Well No.	1 - 2520)				
Farm Pau	ıl Hylbert	#1				
API No.	47 - 095	- 1108				

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas_X / Liquid Injection (If "Gas," Production / Undergrou	/ Was	te Disposa ge/ Dee	l/ p/ Sha	ıllow_x_/)
LOCATION: Elevation: 978.5' Watershed of	Camp Mista	ake Run		
District: Centerville County Tyle	r	Quadrangle	e West Un	ion
COMPANY				
ADDRESS B O Drawn 40 During Inc.			I	Coment
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in		Cement fill up
ADDRESS P.O. Drawer 40 Bushbarrar My 20201	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201 SURFACE OWNER see back	Size 20-16			
ADDRESS	Cond.	<u> </u>		
MINERAL RIGHTS OWNER see back	13-10"	22.00	pulled	
ADDRESS	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	1210.35	1210.35	266 cf
Robert Lowther ADDRESS Gen Del., Middlebourne, WV	7			
PERMIT ISSUED 6-17-85 26149	5 1/2			
DRILLING COMMENCED 4-28-87	4 1/2		4976.55	252 cf
DRILLING COMPLETED 5-04-87	3			
IF APPLICABLE: PLUCGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used	1.5"	4835.6	
ON		Tubing		<u> </u>
GEOLOGICAL TARGET FORMATION Devonian Shale		Dept	th 5995	feet
Depth of completed well 5240 feet R				
Water strata depth: Fresh none feet;			-	
Coal seam depths: 436/439				area? No
OPEN FLOW DATA		,		urca. Ito
	_	<u>.</u>		
Producing formation Riley, Benson	Pay	zone dep	th 4916	feet
Gas: Initial open flow 335 Mcf/d	Oil: In	itial open	flow	Bbl/d
Final open flow 746 Mcf/d	rll aland fi	nal open r	row	Bbl/d
Time of open flow between initi Static rock pressure 1350 psig(surface				
(If applicable due to multiple completion-	_ l	ient) arte	48 n ou	rs snut in
		z zona don	+ la	e
Second producing formation	Oil. In	tial open	fla:	reet
Final open flow Mcf/d	Oil. Fi	rerar oben	14.	PD1/0
Time of open flow between initi	al and f	mal tosts	1	RDT\Q
Static rock pressurepsig(surface	mesenrom	ont) ofto-	no	urs
Constitution of the Consti				La Silut II

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

Halliburton - 1 stage water frac w/ nitrogen assist, 1 stage foam frac - 5-14-87

4494/99 - Riley - 50,000# sand, 725 Bbls. fluid, 521,000 Scf nitrogen

4909/16 - Benson - 50,000# sand, 569 Bbls. fluid, 89,500 Scf nitrogen

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Shale & Red Rock Coal Red Rock Red Rock & Shale Sand Red Rock & Shale Sand & Shale Big Lime Big Injun Weir 5th Sand Warren Sand & Shale Riley Benson Alexander	0 299 436 439 476 483 550 614 1836 1952 2201 2608 2824 2834 4490 4908 5220	299 436 439 476 483 550 614 1836 1949 2044 2309 2632 2834 4490 4504 4919 5235 5240 TD	DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Gas check at 4913' - 60/10 thru 2" w/ water = 335 Mcf
Karen J. Osborne -13405 Kingsman Road Woodbridge, VA 22193 Fred Dotson c/o K.J. Osborne 13405 Kingsman Road Woodbridge, VA 22193 Rodney Dotson c/o K.J. Osborne 13405 Kingsman Road Woodbridge, VA 22193 Kerin Dotson c/o K.J. Osborne 13405 Kingsman Road Woodbridge, VA 22193 Kerin Dotson c/o K.J. Osborne 13405 Kingsman Road Woodbridge, VA 22193		32.0 12	Mineral Rights Owners: Sam Horton 807 Victoria Avenue Williamstown, WV 26187 Edward Mullooly P.O. Box 883 Weston, WV 26452 Frank Butler Route 5, Box 215 Staunton, VA 24401

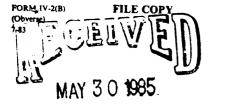
(Attach separate sheets as necessary)

By: Joseph C. Pettey, Vice President of Production

7-23-87

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 only, encountered in the drilling of a well."



CIL & GAS DIVISION



1) Date: April 25	, 19.85
2) Operator's Well No. WK-170	
3) API Well No. 47	095 -1108
State	County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4	AT STATE OF	PEDÆ d	$\overline{M}\overline{M}$		a s <u>X</u>	· 	•				
B (If "Gas", Production X						/ Undergroun	Underground storage/ Deep/ Shallow X/)				
5)	LOCATIO	ON: Elevation: 978.5'					Watershed:	Camp Mistak	e Run	_/ Shallow/)	
		Di	strict:				County:			West Union 7.5'	
6)	WELL OP	ERATOR.	Kepc	o. Inc					DAGENT E. L.		
	Address	43	6 Blvd	of t	he A	llies		Address	P. O. Box 15		
		_Pi	ttsbur	gh, PA	15	216	25900		Clarksburg,		
8)	OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED		-	9) DRILLING C			
	Name	Ro	bert L	owther	1			Name			
	Address	_Ge	neral	Delive	rv			Address	- OMMITOWIT		
		_Mi	ddlebo	urne.	WV	26149		1 2 4 4 1 0 0 0			
10)	PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deener	/ Padeill	/ Stimulate	v .	
								orate new formation	/ Stimulate	\ /	
									1/		
11)	GEOLOGI	CAL TAR	GET FOR				n Shale				
,	12) Estima					95	fe	ot			
	13) Appro		_	•		285		=			
	I4) Appro		-	, –		1335		alt,		v	
15)	CASING A				<u> </u>		1\$ (coal being mined in th	e area? Yes	/ NoX	
	SING OR	1110 1001 H		CIFICATION				_			
	BING TYPE		1	Weight	5 		FOOTAG	E INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
	ductor	1-3/4	H-40	42	<u> </u>	X	315 28	315 20	CTSD	1 Kinaule 15 a	
	water	 		 	<u> </u>	ļi					
Coal		0.5.0	+	 	 					Sizes	
	mediate	8-5/8		23	X		1603	1603	Circulate		
	uction	4-1/2	J-55	10.5	X			5900	1350 SX	and as rea	
Tubii				 					by h	ule 15,01 /	
Liner	rs			<u> </u>					/ /	Perforations:	
				ļ	ļ				/	Top Bottom	
			ļ	ļ	ļ						
			L	J	<u> </u>						
							OFFICE USE				
							DRILLING P	ERMIT			
Pern	nit number_	47-0	095-110	38						June 17 19 85	
									Dat		
his	permit cove	ring the we	ell operato	or and wel	l locatio	on shown	below is evidence	of permission grant	ed to drill in accordan	an mith the mention of the	
	o, 1 to t	e constiut	THOM OF 10	aus, iocau	OHS WILL	ı pils tor	any permitted work has commend	ľki. In addition the w	ell operator or his con	and Gas Inspector, (Refer to tractor shall notify the prope	
								•			
ever	permitted worse hereof.	ork is as de	escribed in	the Notic	e and A	pplication	n, plat, and reclar	nation plan, subject	o any modifications a	nd conditions specified on the	
	nit expires	June	17,	1987			unless we	all most is some			
							uniess we	ii work is commenced	prior to that date and	prosecuted with due diligence	
D		1/.									
BC	ond:	Agent	t:]	Plat:	Casin	g	Fee				
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			/-	/~ ·				Y / Jara	anot. Od	la Ma	
								7.1	inistrator Office of O	il and Con	
TO	E: Keep or	ne copy of	this perm	it posted a	it the d	rilling loc	ation.	Cy ^{am}	inistrator, Office of O	iii and Gas	
			-					_		File	

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.