

FERC

IV-35 (Rev 8-81)



State of Mest Virginia

Bepartment of Mines
Wil und Gas Bivision

	Date 2-	te 2-26-85						
	Operator Well No.							
	Farm	Ferguson	#2					
	APT No. 4	7 - 095	- 1087					

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Underground	/ Waste nd Storage	e Disposal e/ Deep	/ / Sha	llow <u>x</u> /)
LOCATION: Elevation: 887.5 Watershed M	fiddle Isla	and Creek		
District: Centerville County Tyler			West Un	ion
COMPANY Kepco, Inc.				
ADDRESS 436 Blvd.of the Allies, Pgh.PA 15219	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT E. L. Stuart	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Box 1550, Clarksburg, WV 26301	Size			
SURFACE OWNER Thelma Ferguson	20-16 Cond.			
ADDRESS Rt.2, Box 186, Pennsboro, WV 26415	13-10"	35'	35'	10 sx neat cement
MINERAL RIGHTS OWNER Thelma Ferguson	9 5/8			·
ADDRESS Rt.2, Box 186, Pennsboro, WV 26415	8 5/8	1552'	1552'	310 sx neat cement
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Robert Lowther ADDRESS Middlebourne, W 26149	5 1/2			
PERMIT ISSUED August 7, 1984		5822'	5822'	395 sx pozmix
DRILLING COMMENCED 1-29-85	4 1/2	 		
DRILLING COMPLETED 2-6-85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON Rhinestreet Shale	<u> </u>	Dep	oth 5708	feet
	Rotary X	/ Cabl	e T∞ls	
30	None		-	
Coal seam depths: None reported	Is coal	being mir	ned in th	e area?NO
OPEN FLOW DATA				
Producing formation Rhinestreet Shale, Benson, Ri	iley Pa	y zone dej	oth5712,474	49,4404 feet
Gas: Initial open flow 0 Mcf/d				
		nal open		
Time of open flow between init	tial and f	inal test	s <u>4</u> }	rours
Static rock pressure 1500 psig(surface	ce measure	ment) aft	er_48_hc	ours shut in
(If applicable due to multiple completion				MAY 0 6 198
Second producing formation		ay zone de	p th	
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between ini				
Static rock pressurepsig(surface				
				reverse side)

FORM IV-35 (REVERSE)

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

Perforated 2-14-85, Perfco Wireline Co.

Relig [4404'-4438'] Avg. Pressure = 2500 psig, Avg. rate = 30 BPM

Benner [4749'-4812'] Avg. Pressure = 2800 psig, Avg. rate = 28 BPM

Rhener [5712'-5776'] Avg. Pressure = 2950 psig, Avg. rate - 28 BPM

Fractured 2-14-85, Halliburton Services, Waterfrac with Nitrogen Assist 1st stage 20,000 lbs., 20/40 sand 2nd stage 30,000 lbs., 20/40 sand 3rd stage 5000 lbs., 80/100 sand; 21,500 lbs., 20/40 sand

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
Red Rock and Shale	0	38	
Sand	38	75	Fresh water at 38'
Shale	75	90	
Sand	90	145	•
Shale and Red Rock	145	200	Fresh water at 200'
Shale	200	240	
Red Rock & Shale	240	290	
Sand and Shale	290	385	
Sand	385	470	
Sand and Shale	470	580	
Red Rock and Shale	580	640	
Sand and Shale	640	790	
Sand .	790	810	
Shale	810	990	
Sand	990	1050	
Shale	1050	1180	
Sand	1180	1240	
Shale	1240	1335	
Sand	1335	1430	
Shale	1430	1753	
Big Lime	1753	1804	
Big Injun	1804	1955 .	
Weir	2128	2242	
Berea	2316	2322	
5th '	2744	2752	1
Warren	3242	3288	

continued.

(Attach separate sheets as necessary)

Kepco, Inc.	
Well Operator	
Ву:	Chief Geologist
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 only, encountered in the drilling of a well."

7270 - 1725 72, (72)

Pg 2, 095 1087

WELL LOG

	W.	فللل الملاح	•
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all free and salt water, coal, oil and ga
Speechley	3310	3356	
Balltown	3634	364 1	·
Bradford	4164	4 1 7 4	
Riley	4404	4438	
Upper Benson	4748	4754	
Benson	4808	4814	
Rhinestreet Shale	5708	5833	Total Depth
		'	5833
		1	888
		1	49 45
		1	
			1
			}
•			
•			
	1	1	l

(Attach separate sheets as necessary)

Kepco, Inc.	
Well_Operator	_
By: Wave & Canan Chief Geologist	
Date: 2-27-85	

1)	Date:	July 2		, 19_ ⁸⁴
2)	Operator's Well No.	WK-339		production of the
3)	API Well No.	47	095	1087
-,	,	State	County	Permit

File

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

		· ·				TION FOR A WELL		MARKET IN THE STATE OF THE STAT	en e	
4) WELL TYP						/ Underground sto			_/ Shallow _X/)	
) LOCATION	•	ation:	007			Watershed: Mi	ddle Island	Creek (958)	
b) LOCATION		rict:			lle	County:Ty		Quadrangle: W	lest Union 7.5' (19	
6) WELL OPE			o, Inc					AGENT E. L.		
6) WELL OPE Address	4.7	6 Blvd			llies		Address	P. O. Box 1		
Audiess		ttsbur						Clarksburg,		
OIL & GAS) DRILLING CO			
•						,	Name			
Name	0 1 0 1'						Address C. F. F. V. F.			
Address		ddlebo			2 4 1 4 9		Addiess		: 550 V C	
) PROPOSE	D WELL V	VORK:	Drill			-	_/ Redrill	1612		
			-			n/ Perforat			jüL 1 8 1984	
						n well (specify)	.,			
) GEOLOGI	CAL TARG	GET FOR	MATION	, <u>ve</u>	vonia				OIL & GAS DIVISION	
12) Estima	ted depth o	of complete	ed well,	59		feet			OIL & GAS DIVISION	
13) Appro	ximate trata	a depths:	Fresh, _	190,	267	feet; salt,_		feet.	EPT. OF VIII V	
14) Appro	ximate coal	seam dep	ths:		*******	Is coal	l being mined in the	area? Yes	OIL & GAS DIVISION EPT. OF MINE	
) CASING A	ND TUBI	NG PROC	GRAM							
CASING OR . TUBING TYPE	1 .	SPEC	IFICATION: Weight	s		FOOTAGE IN	TERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
TUBING TYPE	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
onductor	11-3/4	H-40	42		Х	20	20	ļ	Kinds	
esh water						297'	297'	CTS DH	rule 15.05	
oal									Sizes	
termediate	8-5/8	J-55	23	Х		1513	1513	Circulate		
roduction	4-1/2	J-55	10.5	Х			5900	as rea	popoths spule 1501	
ubing								/)		
iners									Perforations:	
								year a finite	Top Bottom	
	3						7			
						OFFICE USE O	NLY			
						DRILLING PER	RMIT		A STATE OF THE STA	
	47	-095-1	L087					August	7 19 84	
ermit number_					- wa-	-		Da		
uirements subject. 3. 8) Prior to to strict oil and g	ect to the co he construct as inspecto	onditions of roor 24 hours	contained ads, locat s before a	herein a ions and ctual pe	and on t i pits for ermitted	he reverse hereof. Not r any permitted work. work has commenced	ification must be g In addition, the w l.)	ed to drill in accorda iven to the District O cell operator or his co	nce with the pertinent legal re- il and Gas Inspector, (Refer to ntractor shall notify the proper and conditions specified on the	
Bond:	Agen	August	Plat:	Casii	·	Fee	work is commenced	d prior to that date and	d prosecuted with due diligence.	
DEMINE				rr	4 6	3567		71	1	
							/	e e e		
			Į.				Adm	inistrator, Offic of	Oil and Gas	
IOTE: Keep o	one copy of	f this pe rm	nit pösted	at the c	irilling l	ocation.			File	

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