

6-6 Wilbur (92)





State of Mest Airginia Bepartment of Mines Bil und Gas Bivision

Date 5/22/85		
Operator's		
Well No. #2		
Farm Gregg		
	0.42	ממ
API No. 47 - 095	042	עע

WELL OPERATOR'S REPORT

OF

FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

095	<u>- 842 DD</u>
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District Property of the Prope				MAY 3 1	1965
WELL TYPE: Oil / Gos X / Liquid Injection (If "Gas," Production / Undergrou	ı/ Waste	Disposal	L/ b/ S tg	OIL & GAS D	
IOCATION: Elevation: 804 Watershed 1 District: Centerville County Tyle	er (na orock Nadrangle	≥ West Un	ion 7.5'	
District: denterville County 132	· · · · · · · · · · · · · · · · · · ·	,			
COMPANY Appalachian Energy Development, Inc.			•	,	
ADDRESS P. 0. Box 902, Belington, WV 26250	Casing	Used in	Left	Cement fill up	
DESIGNATED AGENT George Williams	Tubing	Drilling	in Well	Cu. ft.	
ADDRESS P. O. Box 902, Belington, WV 26250	Size				
SURFACE OWNER Violet Gregg	20-16 Cond.				
ADDRESS Alma, WV 26320	13-10"				
MINERAL RIGHTS OWNER Same as above	9 5/8				
ADDRESS	8 5/8	2581	2581	110 sks	
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7				
Lowther ADDRESS G.D. Middlebourne, WV	5 1/2				•
PERMIT ISSUED 3-1-85	4 1/2	2770	2770'	300 sks	
DRILLING COMMENCED 3/29/85	3				
DRILLING COMPLETED 4/2/85	2 7/8"	4868	4844	2000' fil	up
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used		,		
GEOLOGICAL TARGET FORMATION Benson		Dep	oth 47001	feet	
	Rotary X	/ Cab]	le T∞ls_		
Water strata depth: Fresh - feet;	Salt	feet	t		
Coal seam depths:		being min	ned in th	e area? No	•
OPEN FLOW DATA	and the second	•••		•	
Producing formation Benson	Pay	y zone dej	oth 46921.	_4700 feet	
	Oil: In	itial ope	n flow .	Bbl/d	
Final open flow (350) Mcf/d	Fi.	nal open	flow	Bbl/d	
Time of open flow between ini	tial and f	inal test	s <u>h</u>	ours	
Static rock pressure 1400 psig(surfa	ce measure	ment) aft	er 24 ho	ours shut in	i
(If applicable due to multiple completion				•	
Second producing formation Riley				<u> 43361</u> feet	• •
Gas: Initial open flow - Mcf/d	Oil: In	itial ope	n flow	Bb1/d	
Final open flow 350 Mcf/d	Oil: Fi	nal open	flow	Bbl/d	i
Time of open flow between ini	itial and f	inal test	s}	nours	
Static rock pressurepsig(surface	ce measurem	rent) afte	r h	ours shut in	1
		(Cont	inue on 1	reverse side	,)

1.0

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

Perforated Benson: 4695° - 4721° (12 holes)
Frac with 50 sks 80/100, 150 sks 20/40, 500 gal 15% HCl,
70,000 SCF N₂, 324 BBIS treated fluid.

4292' - 4339' (14 holes)
Frac with 50 sks 80/100, 150 sks 20/40, 500 gal 15% HCl,
70,000 SCF N₂, 324 BBIS treated fluid.

ra va koa Je va semana	W	ELL LOS	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
shale/sand shale/sand shale/sand sand shale/sand TD	2094 3509 3517 4045 4050 4175 4185	3509 3517 4045 4050 3175 4185 4868 4868 Benson & T.D	E Log Tops Riley - 4289' Benson - 4691' OLD TD 2755 7 2113-OD Ftg.
!	÷		

(Attach separate sheets as necessary)

Appala	chian	Endra	v Deve	lopmen	t. I
Well	<i>Opera</i>	tor			
($N \setminus$			
By:	-1	UA			
Date: 54	22/39				·
		/ / /			

te: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including Note: wal, encountered in the drilling of a well."

RECEIVED



IV-35 (Rev 8-81) AUG 1 3 1982

OIL AND GAS DIVISION State of Mest Hirginia

Bepartment of Mines Wil und Cas Pivision

Date	April 7, 1982
Operato	r's
Well No	• V. Gregg #2
	Violett Gregg #2
API No.	47 - 005 - 0042

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	WELL TYPE	E: Oil x / (If "Gas,"	Gas_X/ Li Production	quid Injecti / Undergr	on_	/ Wast Storag	te Disposa ge/ Dee	1/ p/ Sha	allow/)
٠	LOCATION	: Elevation:	804	Watershed_	Mid	dle I	sland Cr	eek	
•	, · · ·	District:_	Centervill	County T	ler		Quadrangl	e <u>West</u> (Union
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	L&M Petrole	um Co						
				1.5007			<b></b>	Y	
		0.0. Box 89,			Cas	ging	Used in	Left	Cement fill up
		D AGENT Dav			Tui	oing	Drilling	in Well	Cu. ft.
		Box 288, Pa			Siz	ze			
	SURFACE C	WNER Viol	et Gregg			-16			
	ADDRESS_	Joseph Mil	ls, WV		Cor	-10"			
	MINERAL F	LICHIS OWNER	Same as	above					
	ADDRESS_				9 5		050		}
	OIL AND	AS INSPECTOR	FOR THIS WO	RK.	8 5		258	258	100 sx
Rb	t. Lowth	er ADDRESS	G.D., Mid	dlebourne.	WVI-	<u>'</u>			
		SUED Sept			5 1	/2			
•		COMMENCED			4 1		2770	2770	300 sx
		COMPLETED			3	<u> </u>			
		ABLE: PLUGGI			2				
	CONTINUOU	S PROGRESSION VERBAL PER	FROM DRILLI	ING OR		ers ed			
	GEOT OCTON	T. TAPCETT EXPM	AMTON.	D					
	Dept	L TARGET FORM	ariun 27	Devonian ,	Shale	-Gord	lon Dept	h 2630-	2640 feet
	Wate	r strata donti	be Brech	reet	Kotar	<u>у_х</u>	/ Cable	Tools_	
•	Coal	r strata depti	ii: rresn	reet;	Salt		feet		•
	~~~	seam depths:			- Is	coal h	ceing mine	d in the	area?
	open flow								
	Prod	ucing formation	on Gordon	1		Pay	zone dept	h 2630-2	2640 2650 feet
	Gas:	Turning ober	J flow	75 Mcf/d	Oil:	Init	ial open	flow	2.5 Rb1/d
		Final open	flow	Mcf/d		Fina	al open fl	OW	0 Bb1/d
		Time of	f open flow	between init	ial a	nd fir	al tests	8 hou	rs
	Stati	ic rock pressu	re	_psig(surfac	e meas	surema	ent) after	hour	s shut in
	(If a	applicable due	to multipl	e completion	·)		•		
		nd producing f				Pay	zone depti	n	foot
	Gas:	Initial oper	flow	Mcf/d	Oil:	 Init	ial open s	flow	BH1 /A
		Final open f	low	Mcf/d	Oil:	Fina	l open fla	<u>-</u>	בי ואם
		Time of	open flow l	cetween init	ial ar	nd fin	al tests	hou	* C
	Stati	ic rock pressu	re	osig(surface	measu	ıremen	t) after	ייייים חסונ	e chu+ i>
					AU6 2		}		
							Contina	e on revi	ree cide)

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

Well was frac'ed on March 29, 1982, using 876MSCF Nitrogen. BD:2900; ATP: 2650; RATE: 25MSCF/mi; ISI;2310; 5 min: 2260. Perfs: 21 shots from 2630-2640'

WELL LOG

2		•	ELL LOG	•
FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all franchisalt water, coal, oil and
Clay Red Rock Slate Lime Red Rock Lime & Shell Big Red Shale Slate W. Slate Sand Sand Lôme Slate Black Shale Lime Lime Shale & Lime Shale		1505 1540 1623		and sait water, coal, oil and

(Attach separate sheets as necessary)

L&M Petroleum Co.

Well Operator

By: Jean Kettering

Date: April 7, 1982

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 of a well."





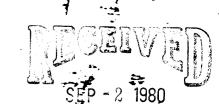
1)	Date: March 1	, 19 .85
2)	Operator's Well No. Gregg #2	
2)	ADI Wall No. 47 - 095 -	0842-00

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

APPLICATION FOR A WELL WORK PERMIT

X

4) WELLTY			/ G							_	
	B (I	f "Gas",	Productio	n			l storage		_/ Shal	llowX	_/)
5) LOCATIO			804			Watershed:				•	
6) WELLOD			Center			County:		Quadrangle:			
6) WELL OP								AGENT _ GOOTE		ians	
Address			Box 90			2325	Address	P. 0. Box			
8) OII • C4			rton, W		26250			Belington,	WY	26250	
8) OIL & GA				FIED			9) DRILLING CO				
	Robert				······································	·		tate Drillin			
Address			Deliv		4 40	-	Address	One Berea P			<u>x 2</u>
			ourne,					Bridgeport,		26330	
0) PROPOSE	ED WELL I	WORK:	Drill	/	Drill	deeperX	/ Redrill	/ Stimulate			
							orate new formation_	/			
						ell (specify)					
1) GEOLOGI											
12) Estima						fee	-				
13) Appro						feet; sa	it, cased off	feet.			
14) Appro				cased	off	Is c	oal being mined in the	area? Yes	/ 1	No_X	,
5) CASING A	AND TUBI	NG PRO	GRAM								
CASING OR TUBING TYPE	1	SPE	CIFICATION	S	1	FOOTAGE	INTERVALS	CEMENT FILL-UP	1 1	PACKERS	
TOBING TIPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	Î		
Conductor								(013) 141)	Kinds		
resh water	8 5/8	10				258*	258*	100 aks			
Coal									Sizes	*	
ntermediate	4 1/2	M				27701	27701	300 sks		· · · · · · · · · · · · · · · · · · ·	
roduction	2 7/8	11				59001	58501	1500' fillu			
ubing			-					or required		15.01	
iners								00 00 1 00 00	Perforation		
									Тор	Bottom	
									100	Bottom	'
									<u> </u>		
								L	J.		
					OF	FICE USE	ONLY				
						ILLING PI					
		47-0	95-0842	מת נ				,			
ermit number_	·	47-0	33-004 2	עע־יַ					rch 18	, 19	85
his permit cove	ering the we	ell operat	or and wal	llocation	shawa hal			Dat	•		
un cincins subje	set to the co	mannons	comamed	nerein and	i on the rev	verse hereot. !	of permission granted Notification must be g	iver to the District O	il and Cas i	I	
10. 0/ I HUI LU	me consum	CHON OI I	TURUS, IUCE	uons ang i	olis for any	r bermitted wo	rk. In addition the we	ll operator or his con	tractor sha	ll notify the p	roper
istrict on and g	as inspector	24 Hou	s before a	ciuai perm	itted work	has commenc	ed.)				-
he permitted w everse hereof.	ork is as de	scribed in	n the Notic	e and App	olication, p	lat, and reclan	nation plan, subject to	any modifications as	nd conditio	ns specified o	n the
ermit expires _			, 1987								
ermit expires _			,			unless we	ll work is commenced p	orior to that date and	prosecut ed	with due dilig	ence.
E . T											
Bond:	Agent	:	Plat:	Casing	Fee	:					
228	SW	12	nll	mx	1 3/13	?	-	<u> </u>			
L	.11 =	1/	·/~	1111	- 1 3/. 3		10	0 _ 1			
OTE: Keep o	ne copy of	this pern	nit posted a	at the drill	ing locatio	n.	Admir	istrator, Office of O	ii and Gas		
•										1	File
		See	the revers	e side of t	he APPLIC	CANT'S COP	Y for instructions to t	he well operator.			



Oil and Gas Division

OIL & GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	3
Charleston, W. Va.	August 25, 1980
Surface Owner Etta Gregg	Company L&M Petroleum Co.
Address Joseph Mills , WV	D+ #1 Mariatta OU 45750
Mineral Owner Violet Gregg	*****
Address Joseph Mills , WV	Middle Island Creek
Coal OwnerSame as above	Well No. 2 Elevation 804
Address	
Coal Operator None	West IInian
AND PERMIT MUST BE POSTED AT THE WELL SITE	
of the W. Va. Code, the location is hereby approved	
tor drilling . This permit shall avain it	NSPECTOR Phil Tracy D BE NOTIFIED
	DDRESS Middlebourne, WV
Deputy Director - Oil & Gas Division Pl	HONE 758-4573
GENTLEMEN:	
The undersigned well operator is entitled to drill upon the	above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease d	ated Nov. 30 19 72 by Violet Gregoria
Tyler 196	and recorded on the day of 238 Page
•	
NEW WELLDRILL DEEPER	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer o have been notified as of the above date.	r licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fi	notified that any objection they wish to make, or are required led with the Department of Mines within ten (10) days.
Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Dep	registered mail, or delivered to the above named coal operators day before, or on the partment of Mines at Charleston, West Virginia.
	Very truly yours, // L&M Petroleum Co.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator Asst. Sec.
WEST VIRGINIA GEOLOGICAL AND	Rt. #1, Box 18-B
ECONOMIC SURVEY Addres of	dieet
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 Well Opera	
AC-304 - 292-6331	City or Town Ohio 45750
	State
notice and plat by the department of mines, to said proposed location,	repartment of mines, within said period of ten days from the receipt of the department shall forthwith issue to the well operator a permit reciting erators or found thereto by the department and that the same is approved. 47-095-0842
	47-093-0042

"I have read and understand the reclamation requirements as set forth in Chapter 22. Article 4, Section 12-b and will carry out the specified sequirements."

DLANKET BUND

Signed by ___

Juney

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	DRILL	DEEPEN F	DEEPEN FRACTURE-STIMULATE	
DRILLING CONTRACTOR: (If Known) NAME		RESPONSIBLE AGENT	RESPONSIBLE AGENT: NAME Richard Hudson ADDRESS Parkersburg, WV 26101	
		ADDRESS Parkers		
TELEPHONE			4-422-7208	
ESTIMATED DEPTH OF COMP	LETED WELL: 4500	ROTARY X	CABLE TOOLS	
PROPOSED GEOLOGICAL FOR	MATION: Devonian S	Shale		
TYPE OF WELL: OIL_	GAS	COMB. X STORAGE	E DISPOSAL	
			OODOTHER	
TENTATIVE CASING PROGRAM	M:		•	
CACING AND TURNS				
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELA	CEMENT FIFE UP OR SACKS - CUBIC FT	
20 - 16		WILL	OR SACKS - COBIC F1.	
13 - 10				
9 - 5/8				
8 - 5/8	250		125 sx	
7				
5 ½				
4 1/2	TD	TD	400 sx	
3			Pert, Top	
Liners			Perf. Bottom	
22.7513			Perf. Top	
			Perf. Bottom	
APPROXIMATE FRESH WATER APPROXIMATE COAL DEPTHS IS COAL BEING MINED IN TH				
TO DRILL:	•			
SUBMIT FIVE (5) COPIES OF PLAT.	OF OG - 1, \$100.00 PERM	MIT FEE, PERFORMANCE B	OND AND PERMANENT COPY	
TO DRILL DEEPER OR REDRIL	L:			
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE	TO 1929, A PERMANENT	GINAL PERMIT NUMBER AN COPY OF THE PLAT AND T	D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD	
TO FRACTURE - STIMULATE:				
OIL AND/OR GAS WELL O	RIGINALLY DRILLED BEF AND ORIGINAL WELL RI	ORE JUNE 5, 1929, FIVE (5) (COPIES OG - 1, PERFORMANCE	
OIL AND/OR GAS WELL O		AND/OR AFTER JUNE 5 192	9, FIVE COPIES OG - 1, SHOW-	
Required forms must be filed four (24) hours in advance.	d within ninety (90) days of	completion for bond release.	Inspector to be notified twenter	
•	· · · · · · · · · · · · · · · · · · ·			
-	· ·		5 - 1	
The following waiver must in the	be completed by the coal o	perator if the permit is to be	issued within ton days of receipt	
WAIVER: 1 the undersigned, Age this lease have examine	nt fored and place on our mine r	Coal Company, Owner	or Operator of the coal under	
We the	Coal Company	have no objections to said w	ell being drilled at this location, 7, Chapter 22 of the West Virginia	
	-	Fe	or Coal Company	
			Official Title	