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PORM IV-35 - (Obverse)

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's M. E. Snyder #1

WELL OPERATOR'S REPORT API Wel No. 47 - 021 -2995
CHANGE State County Permit [08-78] DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE L TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal (If "Gas", Production XX / Underground storage / Deep XX / Shallow /) ATION: Elevation: 1014' Watershed: Gluck Run District: Glenville County: Gilmer Quadrangle: Glenville I OPERATOR <u>Eastern American Energy Corporat</u>ion <u>Designated AGENT</u> <u>James C. Recht</u> Address P.O. Box N Address P.Ö. Box N Glenville, West Virginia 26351 Glenville, West Virginia MITTED WORK: Drill XX / Convert __ / Drill deeper __ / Redrill __ / Fracture or stimulate XX . Plug off old formation / Perforate new formation / Other physical change in well (specify) OIL & GAS INSPECTOR FOR THIS WORK: _, 19<u>78</u> RMIT ISSUED ON March 13 F APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name Paul Goodnight Address <u>Smithville</u> West Virginia 26178 Depth 6500 Seet OLOGICAL TARGET FORMATION: Marcellus Shale Depth of completed well, 6565 feet Rotary X / Cable Tools Water strata depth: Fresh, 170 feet; salt, feet. Coal seam depths: 350-355 Is coal being mined in the area? NO Work was commenced October 27 , 19 78 , and completed November 9 SING AND TUBING PROGRAM PACKERS CEMENT FILL-UP OR SACKS SING OR BING TYPE FOOTAGE INTERVALS SPECIFICATIONS Grade per ft New Used For drilling Left in well (Cubic feet) Kinds nductor 8 ^{5/8} H-40 20 1b X 450' 150SKS 450 esh water Sizes_ al termediate N-80 11.6 CW-59 10.5 6553' 600 SKS Depths set 41/2 oduction 2 ³/8 K55 2.75 6287 bing Perforations: ners Top Bettom 6316'----6426' PEN FLOW DATA ____ Pay zone depth ___6298-6434 Producing formation Marcellus Shale __ feet Gas: Initial open flow, 122 Mcf/d Oil: Initial open flow, _____Bbl/d Final open flow, _____Bbl/d Final open flow, 1200 Mcf/d Time of open flow between initial and final tests, 4 hours Static rock pressure, 2300 psig (surface measurement) after 24 hours shut in [If applicable due to multiple completion --] Pay zone depth ____ Second producing formation _____ Gas: Initial open flow, _____Mcf/d Oil: Initial open flow, _____Bbl/d _Bb1/d Mcf/d Final open flow, Final open flow,

Time of open flow between initial and final tests, ____ hours Static rock pressure, _____ psig (surface measurement) after ____ hours shut in 8-78]

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

12-0.39 Diameter Holes @ 6386,6390,6394,6400,6404,6408,6411,6414,6416, PERF: 1st Stage:

6419,6422,6426.

8-0.49 Diameter Holes @ 6316,6320,6323,6326,6332,6334,6342,6346. 2nd Stage:

FRAC: 1st Stage:

300 BBLS H₂0, 20,0001bs. 80/100 Sand, 30,0001bs. 20/40 Sand, 108 Gals Super Foam, 2500 lbs. M-38-W gel. 300 BBLS H₂0 20,0001bs. 80/100 Sand, 30,000 lbs. 20/40 Sand, 108 Gals. Super Foam, 2500 lbs. M-38-W. gel. 2nd Stage:

WELL LOG

	A - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1				
FORMATION	Color	Hard or Soft	// Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and jas
		- 1: 1			
Sand & Shale .			0	52	
Sand		uter anatheas.	52	73	
	•				
Red Rock		e e e e e e e e e e e e e e e e e e e	7.3	82	
Sand			82	111	
Red Rock & Shale	term of the second		111	132	
Sand			132	169	
Red Rock & Shale		5 P	169	178	and the state of t
			178	294	
Sand & Shale					
Red Rock			294	307	,有一张新生物等。在制度的企业中的ESELF的。
Sand & Shale	e te fa a sa trada di sa		307	327	TO 化铁铁 医阿里尼斯 医克斯特氏 医克勒氏病 医皮肤
Sand	5 1 5 5 6 6		327	344	·
Sand & Shale	e te di dan d		344	350	
Coal	3.5%		350	355	
Sand	4.47		355	379	gartin de la companya de la company
Sand & Shale			379	748	
Sand		11.	748	765	grigoria fasilii ora karanda garanda ayan
Sand & Shale			765	865	
Shale and Red Rock			865	896	
Sand			896	960	
Sand & Shale			960	1204	
Sand	Towards and the Control of the Contr		1204	1311	100 may not be provided in the control of
Sand & Shale			1311	1572	Top E Log @ 1550'
Little Lime			1572	1598	
Blue Monday			1598	1616	
			1616	1718	
Big Lime			1		
Big Injun			1718	1762	
Shale			1762	1818	
Weir			1818	1969	
Shale			1969	4520	
Benson			4520	4542	
Shale			4542	4708	
EIK			4708	5131	
Shale			5131	6355	
Tully Lime			6355	6383	
Marcellus Shale		Q	6383	6434	
Chert			6434	6634	and the second of the second o
TD		CONTRACTOR	6634	0001	
10			0034		

(Attach separate sheets to complete as

Eastern Amer Well Operator rcan Corporation

<u>John</u> Mork

Regulation 2.02(i) provides as follows: NOTE:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,				
Charleston, W. Va.	DATE March 13, 1978			
Surface Owner Edward E. and G.L. Wolfe	Eastern American Energy Corp. dba CompanyPacific States Gas & Oil, Inc.			
Address P.O. Box 124, Glenville, WV	Address_P.O. Box 67, Glenv	ville, WV		
Mary E. Snyder et al	Farm Mary E. Snyder	Acres 105		
Address Gilmer County, WV	_ Location (waters) Gluck Rur			
Coal OwnerG.L. Wolfe , et al	Well No. E.A. 1			
Address Gilmer County, WV				
Coal Operator None	Quadrangle Glenville 7½			
Address				
THIS PERMIT MUST BE POSTED AT THE WELL SITE				
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	INSPECTOR			
for <u>drilling</u> . This permit shall expire if T	TO BE NOTIFIED Paul Goodnigh	nt		
operations have not commenced by 8-11-78	ADDRESSSmithville, WV 26178			
The two de	PHONE4 <u>77-3660</u>			
GENTLEMEN:				
The undersigned well operator is entitled to drill upon the	o shows named forms on trust of land a			
title thereto, (or as the case may be) under grant or lease of				
Snyder and G.N. Snider Pitts. & WV Gas Comp	pany and recorded on the	dow of Castal		
19_25 inGilmer County, Book108	Page 171	day or Septemb		
	•			
XXX NEW WELLDRILL DEEPER	•	TURE OR STIMULATE		
OIL AND GAS WELL ORIGINALLY DRILLER	D BEFORE JUNE 5, 1969.			
The enclosed plat was prepared by a registered engineer of have been notified as of the above date.	or 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 f	notified that any objection they wish filed with the Department of Mines wit	to make, or are required thin ten (10) days. *		
Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address	registered mail, or delivered to the about	ove named coal operators before, or on the		
same day with the mailing or delivery of this copy to the De	partment of Mines at Charleston, West	Virginia.		
	Very truly yours, // ,			
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name)			
STATE OF THE STATE	Well Operator			
W. VA. OIL & GAS CONSERVATION COMMISSION	/P.O. Box 67			
1613 WASHINGTON STREET, EAST Of	Otrect			
CHARLESTON, WEST VIRGINIA 25311 Well Oper				
	City or Town			
	West Virginia			
	State			
*SECTION 3 If no objections are filed or found by the D notice and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal or and the well operator authorized to proceed.	the department shall forthwith issue to the w	ell operator a permit reciting		
	GIL-2995	PERMIT NUMBER		
"I have read and understand the reclamation requirements as set f Chapter 22, Article 4, Seption 12-b and will carry out the specified require				

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

PROPOSED WORK ORDER TO	X DRILL	DEEPEN FR	ACTURE-STIMULATE			
DRILLING CONTRACTOR: (If	,	RESPONSIBLE AGENT:				
NAME S.W. Jack Drilling			NAME John Mork ADDRESS P.O. Box 67, Glenville, WV TELEPHONE 462-8118			
ADDRESS Buckhannon, WV 2						
TELEPHONE 462-2161						
ESTIMATED DEPTH OF COMPLI		ROTARY X	CABLE TOOLS			
PROPOSED GEOLOGICAL FORM	IATION: Marcellus					
TYPE OF WELL: OIL_	GAS <u>x</u>	COMB STORAGE	DISPOSAL			
	RECYCI	LING WATER FLOO	ODOTHER			
TENTATIVE CASING PROGRAM	:					
CASING AND TUBING	UCED FOR	T I STOTE IN	CUMENT LELL UP			
SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT 4-11 L UP OR SACKS - CUBIC FT.			
20 - 16	and the second s					
13 - 10			All Grant Comments of the Comm			
9 - 5/8			in the second se			
8 - 5/8	400	400	Surface			
7			· e.k.			
5 ½	And the second s	JAN DER SER TA GER				
4 ½	6500	6500	250 sks			
3			Perf. Top			
2		The second section of the second second second	Perf. Bottom			
Liners		La Branch Company (Augustin 1987)	Perf. Top			
			Perf. Bottom			
WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT . OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	OF OG - 1, SHOWING ORIGO 1929, A PERMANENT OD. GIGINALLY DRILLED BEFORMAN ORIGINAL WELL REALISMALLY DRILLED ON AMBER, AND PERFORMANCE.	ORE JUNE 5, 1929, FIVE (5) COCORD.	DPIES OG - 1, PERFORMANCE			
four (24) hours in advance.	meety (50) days or	completion for boild release. I	inspector to be nothica twenty-			
•						
The following waiver must be hereof.	e completed by the coal or	perator if the permit is to be is	sued within ten days of receipt			
WAIVER: I the undersianed Asen	t for	Coal Company O	>r			
WAIVER: I the undersigned, Agen this lease have examined		Coal Company, Owner on company this proposed well location				
		have no objections to said wel				
		gulations in Articles 4, 5, and 7,				
		For	Coal Company			
the a ttrice			Official Title			