



State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

CRAWFORD, JOSEPH H.

Operator Well No.: PRATT #2

LOCATION:

Elevation: 1022.00

Quadrangle: PENNSBORO

District: CENTRAL County: DODDRIDGE
Latitude: 4000 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 6950 Feet West of 80 Deg. 52 Min. 30 Sec. Longitude

Company: Eastern American Energy Corp.

501 56th Street

Charleston, WV

Agent: - DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD

06/08/89 Permit Issued:

Well work Commenced: 06/22/89 Well work Completed: 06/28/89

Verbal Plugging

Permission granted on:

Rotary X Cable Total Depth (feet) Fresh water depths (ft) 70'

Salt water depths (ft) 1405'

Is coal being mined in area (Y/N)? N Coal Depths (ft): None

Casing	Used in	Left	Cement    Fill Up
& Tubing	Drilling	in Well	Cu. Ft.
Size			
11-3/4"	78'	   	
8-5/8"	1171'	1171'	C.T.S.
4-1/2"	   <sub>5220</sub> '	   5220 <b>'</b>	580
1-1/2"	5098'	   5098 <b>'</b>	

OPEN FLOW DATA

Warren (Commingled)

Producing formation Alexander,	, Benson, Riley,	Pay zone depth	(ft) <sub>5134</sub> ,-3305,
Gas: Initial open flow 335	MCF/d Oil: In:	Itial open flow	N/A Bbl/d
Final open flow 298	MCF/d Fin	nal open flow	N/A Bbl/d
Time of open flow between	en initial and	final tests	15 Hours
Static rock Pressure 1100	psig (surface	pressure) after	24 Hours

Second producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Bbl/d Static rock Pressure \_\_\_\_psig (surface pressure) after

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: MENNY EASTERN AMERICAN ENERGY CORPORATION
Rich Heffelfinger

By: Vice President - Regional Operations

Date: September 5, 1989

# FORM WR-35 (REVERSE)

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

#### 4-STAGE FOAM FRAC

- Stage 1: Alexander 12 holes (5134'-5125') Breakdown 1500 psi, 60 quality foam, 500 gals 15% HCl, 40,000 lbs. 20/40 sand, 30 lbs./1000 gals Gel, 433,500 scf of N<sub>2</sub>
- Stage 2: Benson 8 holes (4892'-4840') Breakdown 3700 psi, 60 quality foam, 500 gals 15% HCl, 20,000 lbs. 20/40 sand, 30 lbs./1000 gals Gel, 397,700 scf of N<sub>2</sub>
- Stage 3: Riley 12 holes (4472'-4453') Breakdown 2200 psi, 75 quality foam, 500 gals 28% HCl, 27,000 lbs. 20/40 sand, 30 lbs./1000 gals Gel, 622,394 scf of  $N_2$
- Stage 4: Warren 13 holes (3352.5'-3305.5') Breakdown 3000 psi, 75 quality foam, 650 gals 28% HCl, 25,000 lbs. 20/40 sand, 30 lbs./1000 gals Gel, 562,050 scf of  $\rm N_2$

### 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 Red Rock & Shale Sand & Shale Shale & Red Rock Shale Sand & Shale Little Lime Shale Big Lime Big Injun Sand & Shale Weir Sand & Shale Warren Sand & Shale Riley Sand & Shale Riley Sand & Shale Benson Sand & Shale Alexander Sand & Shale	0 186 465 880 1154 1368 1310 1828 1846 1916 2006 2202 2323 3302 3356 4447 4482 4836 4844 5100 5163	186 465 880 1154 1368 1810 1828 1846 1916 2006 2202 2323 3302 3356 4447 4482 4836 4844 5100 5163 5450 T.D.	Water @ 70' Water @ 420'  Water @ 1405'  Water @ 1405'  Gas Check 5400' - 2/10 thru 2" w/water
			017-37

(Attach separate sheets as necessary)

017-3723 Issued 6/8/89 Exprais 6/8/91

STATE OF WEST VIRGINIA

		DEPAR			VISION OF O		618191	
1)	Wall Op	erator:_				5655, 1	538	
2)	-			Pratt #2		1	evation: 1022'	· <b>-</b>
4)	•:		*	or Ga	•		•	
		•		Preductio		round Storag Shallo		
5)	Propose	d Target	Pormation	n(s):	Alexander:	+39:		
6)	Propose	d Total I	Depth: 5	500	<u>.    </u> feet	10-1	•	
7)	Approxi	mate fres	sh water s	strata dep	ths:15	0 <i>BHO</i>		<i>y-</i> -
8)	Apprexi	mate salt	water de	epths:	-0- 208.	3' 1454	4, 1718	_
9)	Approxim	mate coal	. seam dep	oths:		K		
10)	Does la	nd contai	n coal se	ams tribu	tary to act:	ive mine? Y	es/ No_X	/
11)	Proposed	i Well Wo	ork: Drill	l, Stimulate	, Produce	ou/11/00/	1 -	
12)			CASIN	G AND TUB	ING PROGRAM		<b>∕</b> :	
TYPE		, s	PECIFICAT	1 0 N S	FOOTAGE IN	TERVALS	CEMENT	
		Size	Grade	Weight per'ft.	For drilling	Left in	Fill-up (cu. ft.)	
Çéndy	ctor	11-3/4		42	42	-0-	320 sacks to	
Fresh	Water	8-5/8	ERW	23	1172	1172	surface	2
Ççal							DEXIBIL	)
Inter	rediate	4-1/2	J-55	11.6	5500	5500	280 sacks	
51 <u>04</u> 0	ction		-	· · · · · · · · · · · · · · · · · · ·			38CSK18-11-1	
Tebin	g				·			
Liner	s					D) E	A BROOM	8
PACKE	RS : Kin						SELV E	
255	Siz - Dep	ths set					-MAY-2-3-1989-	ש
	<u> </u>	Ä	or Divisc	n of Oil a	nd Gasilise	Only DEPA	SION OF OIL & GAS RTMENT OF ENERG	; Y •
一个	Fae(s) p	aid:	Well F	ork Fermit	Feel Recl	amation Fund	l KI	•
i M	Plat (	Je 9(	HI WW	28 JH =	and Delan	plane.	- HI 2 2 2 10 t	•
0		7		0	ash Cors	ocidated.	00	

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File Copy



1) 2)

3)

Date: November 28, 1988

Operator's well number

Pratt #2

API Well No: 47 - \_\_\_\_\_\_ 3723

State - County - Permit

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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

#### NOTICE AND APPLICATION FOR A WELL WORK PERMIT

		MOTICE AND APPLICATION	FOR A WELL WORK PERMIT
4)	Surface Or	wner(s) to be served:	
- /	Value O	Joseph H. Crawford	5) (a) Coal Operator:
	Address	Box 222	NameNone
•	Address	Box 323 Greenwood, WV 26360	Address
	(b) Name	Greenwood, WV 26360	
• •	(D) Name -		(b) Coal Owner(s) with Declaration
	Address _		Name
			Address
	(C) Name _		
	Address		NameAddress
			Address
<i>c</i> \			
6)	Inspector	Mike Underwood	(c) Coal Lessee with Declaration
	Address	Route 2 Box 135	Name
		Salem, WV 26426	Address
	Telephone	(304) - 782-1043	
	2	O THE PERSON(S) NAMED A	BOVE TAKE NOTICE THAT.
	Included i	s the lease or leases o	r other continuing contract or
contr	acts by wh	ich I hold the right to	other continuing contract or
X	Included i	s the information many	extract oil and gas <u>or</u>
Secti	on 8(d) of	the Code of West Winning	red by Chapter 22B, Article 1,
	T cortifu	the Code of West Virgin	lia (see page 2)
T h	1 Certify	that as required under (	Chapter 22B of the West Virginia Code
	c served c	ODIES OF CUIS DOLICE SPO	]
accom	panying uc	cuments pages I through	On the above named nartice big
	PEISO	mal bervice (Affidavit a	attached)
	<u>X</u> Certi	fied Mail (Postmarked po	ostal receipt attached)
	Publi	cation (Notice of Public	cation attached)
	I have rea	d and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	e terms an	d conditions of any per	nit issued under this application.
	I certify	under penalty of law the	it issued under this application.
famil	iar with t	he information authority	at I have personally examined and am
attac	hmonte	d that bear a	on this application form and all
u c cac	umento, an	u Lual Dased on my indui	ttu of those isdisids
F -	LOI	obtaining the informati	ion, I believe that the information
	ac, accura	ce, and complete.	
	I am aware	that there are signific	cant penalties for submitting false
infor	mation, in	cluding the possibility	of fine and imprisonment.
		Well Operator	XEY OIL INC.
		By: Com (d)	
			esident/Designated Agent
		Address	6 Carton Plans
			6 Garton Plaza
		Telephone 30	Weston, WV 26452
Subsc	ribed And	sworn before me this 28th	14-269-7102
		Zetn	day of <u>November</u> , 19 <sub>88</sub>
	ואואאן	DIN WINDADI	
My cor	mmission e	vnires Water	Notary Public
		~	<del>1. 1778</del>