

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

Well Operator's Report of Well Work

Farm name: MOORE, GEORGE & CAROLYN Operator Well No.: CASEY #1 LOCATION: Elevation: 965.00 Quadrangle: SHIRLEY CENTERVILLE District: County: TYLER 11880 Feet South of 39 Latitude: Deg. 25Min. 0 Sec. 7250 Feet West of 80 Longitude Deg. 50 Min. 0 Sec. Company: COASTAL CORP., THE P. O. BOX 4119 Casing | Used in | Left Cement PARKERSBURG, WV 26104-0000 |Fill Up| Tubing | Drilling | in Well|Cu. Ft. Agent: WILLIAM E. CARPENTER Size Inspector: GLEN P. ROBINSON Permit Issued: 08/29/89 11 3/4 125 118 cuft 9/19/89 Well work Commenced: Well work Completed: -10/2/89Verbal Plugging 8 5/8 1919 603 cuft Permission granted on: Rotary X Cable Total Depth (feet) 5040 4 1/2 503 cuft Fresh water depths (ft) 70' 506' Salt water depths (ft) 1400 Is coal being mined in area (Y/N)? N Coal Depths (ft): 230-235 DIVISION OF O'L & GAS DEPARTMENT OF INERGY OPEN FLOW DATA 4926-4930 Producing formation Benson/Riley Pay zone depth (ft) 4191-4540 Gas: Initial open flow 1400 MCF/d Oil: Initial open flow 0 Bbl/d Final open flow 1000 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 1750 psig (surface pressure) after 24 Hours Second producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bb1/d Final open flow MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours 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.

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For: COASTAL CORP,, THE

By: Date:

NOV

Hours

NOV 2 0

1st Stage - Shot 14 .39 holes from 4926' to 4930' and broke down with 500 gals of 15% HCL Acid at 1681 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 22.6 BPM for a total volumn of 437 bbls. Average treating pressure was 2699 lbs., with an ISIP of 1487 lbs.

2nd Stage - Shot 16 .39 holes form 4191' to 4550' and broke down with 500 gals of 15% HCL Acid at 1543 lbs. Ran 50 sacks of 80/100 mesh sand and 250 sacks of 20/40 mesh sand at a rate of 22.8 BPM for a total volumn of 418 bbls. Average treating pressure was 2384 lbs., with an ISIP of 1550 lbs.

Formation	Color	Hard/Soft	Тор	Bottom	
Clay	Red/yellow	soft	0	15	
Sand	White	Hard	15	85	water 70¹
Sandy Shale	Gray	Hard	85	101	
Shale	Red	Soft	101	150	
Shale sand	Grey	Med	150	170	
Shale	Red	Soft	170	190	
Sand	White	Med	190	230	
Coal	Black	Soft	230	235	
Shale	Gray !	Soft	235	245	
Sand	White White	Med	245	265	
Shale	Gray Gray	Soft	265	295	
Sand	White + + +	Med	295	320	
Shale	Red	Soft	320	330	
Shale	Gray	Med	330	480	
Sand	ې White ;	Hard	480	506	Hole wet
Sand /shale	Gray	Med	506	910	
Shale	Gray	Med	910	1210	
Sand	White	Med	1210	1270	
Shale	Gray	Med	1270	1300	
Shale	Gray	Med	1300	1385	
Sand	White	Hard	1385	1525	water 1400'
Sandy Shale	Gray	Med	1525	1754	
Sand	White	Hard	1754	1825	
Lime	White	Hard	1825	1851	
Sand/Shale	Gray	Med	1851	2365	
Sandy/Shale	White	Soft	2365	2550	
Shale	Red	Soft	2550	2570	
Sand/Shale	Red	Soft	2570	2670	
Sand	White	Med	2670	2680	gordan sand gas {
Shale			2680	4653	oil
Shale			4653	5133	



Issued 8/29/89 Expues 8/29/0
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STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) [Well Ope	erator:_	The Coa	195 estal Corpora	ation 10/	25, 1,	606
							.evation: 965
			•	or Gas			
	•	(b)	If Gas:	Production Deep	n_x/ Underg	round Storag Shallo	
5) F	5) Proposed Target Formation(s): Benson, Riley 435						
6) P	Proposed Total Depth: 5100' feet						
7) 2	Approxim	ate fres	h water s	trata dept	hs: 286'	486', 546'	
8) A	Approxim	nate salt	water de	pths: 15	316, 1536'.	1615'	
9) A	Approxim	ate coal	seam dep	ths:	7631, 7641,	795', 796'	
10) D	oes lan	d contai	n coal se	ams tribut	ary to act	ive mine? Y	es/ No_X_/
11) P	roposed	Well Wo	rk: Di	rill and Stim	ulate New We		
12)			CASIN	G AND TUBI	NG PROGRAM		
TYPE		<u> </u>	PECIFICAT	IONS	FOOTAGE II	NTERVALS	CEMENT
APIC	8/24/89	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conduc	tor	11 3/4	*		120'	120'	CTS
Fresh	Water						
Coal							3858-18-11.3
Interm	ediate	8 5/8	ERW	23#	1950	1950	By rule 38 CSR
Produc	tion	4 1/2	ERW	10.5#	5045	5045	By rule 38 CSR
Tubing							
Liners							नहारशहा
PACKER	S : Kin Siz						954 0 5
1-1		ths set				<u> </u>	UG 2 9 1989 - C
Pail		F	or Diviso	n of Oil a	nd Gas Use	A-1	TON OF OIL & GAS TMENT OF ENERGY
I All F	Fee(s) paid: Well Work Permit Reclamation Fund WPCP						
P	lat 1	Z WW-9	Ww-	2В (1) В	ond Blunk	Type)	Agent

Page	1	of _	
Form	W	W2-A	
(09/8	37)	
File	C	yac	



Date:	8/2	3/89		
Operator	's	well	number	
Cases	/ #1			

DWBION OF OIL & GAS

API Well No: 47 - 095 - 1328 State - County - Permit

DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

	DEPARTMENT OF ENERGY, DI	VISION OF OIL AND GAS
	NOTICE AND APPLICATION FO	OP A WELL MORK DEPAIR
	NOTION INDICATION IN	JR A WELL WORK PERMIT
4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
•	(a) Name George W. and Carolyn Moore	Name N/A
	Address 650 Beachler Rd	Address
	Tallmadge, OH 44278	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name N/A
		Address
	(c) Name	
	Address	Name
		Address
		- Induited
6)	Inspector Glen P. Robinson	(c) Coal Lessee with Declaration
•	Address Rt I #6 Mt. Pleasant Est.	Name N/A
	Mineralwells, WV 26150	Name N/A
	Telephone (304)- 489-9162	Address
	100 1102	
	TO THE PERSON(S) NAMED ABO	יייי אור אוריי המאה.
	TO THE TEROON (D) NAMED ADD	JVE TAKE NOTICE THAT.
	Included is the lease or leases or	other continuing contract on
contr	acts by which I hold the right to	extract oil and one OD
	Included is the information require	ad by Charter 22D Article 1
Secti	on 8(d) of the Code of West Vissia	in the chapter 22B, Article 1,
36661	on 8(d) of the Code of West Virgin	la (see page 2)
	r certify that as required under C	hapter 22B of the <u>West Virginia Code</u>
ı nav	e served copies of this notice and	application, a location plat, and
accon	panying documents pages 1 through	on the above named parties, by:
	Personal Service (Affidavit a	ttached)
	Certified Mail (Postmarked post	stal receipt attached)
	Publication (Notice of Publication	ation attached)
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	e terms and conditions of any perm	it issued under this application.
	I certify under penalty of law that	t I have personally examined and am
famil	iar with the information submitted	on this application form and all
attac	hments, and that based on my inquit	ry of those individuals immediately
respo	nsible for obtaining the information	on. I believe that the information
is tr	ue, accurate, and complete.	say I believe that the initiation
	I am aware that there are signification	ant nonalties for submitting false
infor	mation, including the possibility	of fine and imprisonment
	Well Operator	The Coastal Corporation
	By: Ace in	Para (a)
		range -
		Box 448
		ersburg, WV 26104
		128-3471
Subsc	ribed and sworn before me this <u>25°</u>	
2475	Tiped and sworn perore me this 35	- uay or, 1939
Al	lea Ga I /ham	, , , , , , , , , , , , , , , , , , , ,
My Co	emmission expires /NAN 24,1999.	Notary Public
my CC	muitasion expires / //// 24,1997.	į