

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

Well Operator's Report of Well Work

Operator Well No.: SPEARS #1 SPEARS, RANDALL P. Farm name: Quadrangle: POND CREEK LOCATION: Elevation: 846.00 HARRIS County: WOOD
1650 Feet South of 39 Deg. 7 Min. 30 Sec.
4300 Feet West of 81 Deg. 42 Min. 30 Sec. District: Latitude: Longitude Company: WELLS, H. D. OIL & GAS EX POST OFFICE BOX 1785 CHARLESTON, WV 25326-0000 |Cement Casing | Used in Left Fill Up Tubing Drilling in Well|Cu. Ft. Agent: HARLEY D. WELLS Size Inspector: GLEN P. ROBINSON Permit Issued: 06/26/89 140 sks 490' 490' 8 5/8 Well work Commenced: 7/15/89 Well work Completed: 7/22/89 Verbal Plugging 2246' 22461 70 sks 5 1/2 Permission granted on: Rotary Cable
Total Depth (feet) 224
Fresh water depths (ft) Salt water depths (ft) 1150

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

OPEN FLOW DATA

Coal Depths (ft):

Is coal being mined in area (Y/N)? N

Producing formation	Berea	Pay zone depth		
Gas: Initial open flow	30 MCF/d Oi	1: Initial open flow	show	Bbl/d
Final open flow	40 MCF/d	Final open flow	2	Bbl/d
Time of open flow	between initia	l and final tests	8	Hours
Static rock Pressure	485 psig (su	rface pressure) afte	r 4	Hours
 -		Pay zone depth		• .
Second producing forma	tion	Pay zone depth	(IC)_	
Second producing forma Gas: Initial open flow	MCF/d Oi	1: Initial open flow		_Bbl/d
Gas: Initial open flow	MCF/d Oi MCF/d	1: Initial open flow Final open flow		Bbl/d
Gas: Initial open flow	MCF/d Oi MCF/d between initia			

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: WELLS, H. D. OIL & GAS EXP. & DEV. INC.

By: 8/77/89

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AUG 1 8 1989

Perf: Berea 2120'-2122' 16 holes

Foam Frac:

50,000 lbs. 20/40 sand 250 gal. methanol 450,000 scf. nitrogen

Formation	Top Ft.	Bottom	Ft.
Clay Red	0	120	
Shale Dark	120	190	Fresh Water @ 185'
Sand & Shale	190	550	
Red Rock	550	825	
Shale	825	1100	
Sand-Salt	1100	1300	Salt Water @ 1150'
Shale	1300	1700	
Injun Sand	1700	1775	
Shale	1775	2120	
Berea	2120	2122	
Shale	2122	2240	Total Depth



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

CONTROL OF THE PROPERTY OF THE

17-107-1445

Documed 6/26/89 Expres 6/26/91
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FORM WW-2B

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator: H. D. Wells Oil & Gas Exp. & Dev., Inc. 52900, 2, 552						
4) Well typ	oe: (a)	0i1_/	or Gas	5 <u>x</u> /		
	(b) If Gas: Production_x/ Underground Storage/ Deep/ Shallow/					
5) Proposed	5) Proposed Target Formation(s): Devonian Shale					
6) Proposed	l Total D	epth:	3800	feet		
7) Approxim	nate fres	h water s	trata depi	hs: 95	196, 42	<u>/</u>
				1100	<i>'</i>	
9) Approxim	nate coal	seam dep	ths:	n/a ok.		
10) Does lar	nd contai	n coal se	ams tribut	ary to acti	lve mine? Ye	s/ No_x_/
11) Proposed	l Well Wo	rk:	ill 5 St	millate /	VewWell	
12)						
TYPE	TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT					
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						Gment to Surface
Fresh Water	9-5/8"	J55		475	475' C	200 sacks
Coal			,			38CSF18-11_3
<u>Intermediate</u>	7"	J55	·	2000'	2000' 4	3005918-11.2.L 100 sacks
Production	4-1/2"	J55		3800'	3800	-3QCSR1B-11.1 1500 ft.
Tubing		•				
Liners	·				DE	CERVE
PACKERS : Kind						
Sizes						
For Divison of Oil and Gas Use Only DEPARTMENT OF ENERGY						
Fee(s) paid: Well Work Permit Reclamation Fund WPCP						
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Date:	May 3, 1989	
Operator's	well number	
Spears	#1	
ADT Well N	0.47 - 107	_ 1//5

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State - County - Permit STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

	NOTICE AND APPLICATION I	FOR A WELL WORK PERMIT
l) Surfa	ice Owner(s) to be served: Jame Randall P. Spears	5) (a) Coal Operator:
(a) N	Route 1	Name n/a
Addre	Belleville, WV 26133	Address
(b): N		
Addre	lame	(b) Coal Owner(s) with Declaration
Magie	ess	Name <u>n/a</u> Address
(C) N	lame	Address
Addre	ess	Name
naare		Address
		Address
) Inspe	ctor Glen P. Robinson	(c) Coal Lessee with Declaration
	ss Rt. 1, #6 Mt. Pleasant Estate	Name <u>n/a</u>
	Mineral Wells, WV 26150	
	phone (304)-489-9162	
•	TO THE PERSON(S) NAMED AS	BOVE TAKE NOTICE THAT:
_x Inclu	ded is the lease or leases or	other continuing contract or
contracts	by which I hold the right to	extract oil and gas OR
Inclu	ided is the information requir	ed by Chapter 22B, Article 1.
Section 8(d) of the Code of West Virgin	nia (see page 2)
I cer	tify that as required under (Chapter 22B of the West Virginia Code
have ser	yed copies of this notice and	application, a location plat, and
ccompanyi	ng documents pages 1 through	on the above named parties, by:
_ x	Personal Service (Affidavit a	attached)
	Certified Mail (Postmarked po	ostal receipt attached)
	Publication (Notice of Public	ration attached)
I hav	e read and understand Chapter	22B and 38 CSR 11-18, and I agree
o the ter	ms and conditions of any perm	mit issued under this application.
I cer	tify under penalty of law tha	at I have personally examined and am
amiliar w	ith the information submitted	on this application form and all
ttachment	s, and that based on my inqui	ry of those individuals immediately
esponsibl	e for obtaining the informati	on, I believe that the information
s true, a	ccurate, and complete.	
I am	aware that there are signific	ant penalties for submitting false
ntormatio	n, including the possibility	of fine and imprisonment
	Well Operator	H. D. Wells Oil & Gas Exp. & Dev., Inc.
	By: Aldw	elle
	Its: President	lent
	Address P.O. I	Box 1785
	Charle	eston, WV 25326
	Telephone(3	304) 346-2829
ubscribed	and sworn before me this 3rd	i day of <u>May</u> , 19 <u>89</u>
<u></u>	Var. Missississis)
9	wew xracy you	Notary Public
ly commiss	ion expires November 20, 1995	