

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

Well Operator's Report of Well Work

Farm name: SPEAR, RANDALL P.

Operator Well No.: SPEAR #2

LOCATION:

Elevation: 767.96 Quadrangle: POND CREEK

District: HARRIS

County: WCOD

Latitude:

2750 Feet South of 39 Deg. 7 Min. 30 Sec. Longitude 3100 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: WELLS, H. D. OIL & GAS EX

POST OFFICE BOX 1785

CHARLESTON, WV 25326-0000

Agent: HARLEY D. WELLS

Inspector: GLEN P. ROBINSON

Permit Issued:

08/23/89

Well work Commenced:

9/15/89

Well work Completed: 9/22/89

Verbal Plugging

Permission granted on:_

Riq

Rotary xx Cable Total Depth (feet) 2137

Fresh water depths (ft) 107

Salt water depths (ft) 1072

Is coal being mined in area (Y/N)?N Coal Depths (ft):

. OPEN FLOW DATA

Casing	Used in	Left	Cement
Tubing	Drilling	in Well	Fill Up Cu. Ft.
Size			
8 5/8	487	487	140 sks
5 1/2	2187	2187	70 sks
		•	
		NECE	IV ST
	 	NOV C	7 1999
		EVISION D	
		C. C	- 12 12 13 12 3 12 3 12 3 12 3 12 3 12 3

Producing formation Be	erea Pay zone depth	(ft) 2044
Gas: Initial open flow 30	MCF/d Oil: Initial open flow	show Bol/d
Final open flow 40	MCF/d Final open flow	2 Ebl/d
Time of open flow beta	ween initial and final tests $^-$	3 Hours
Static rock Pressure 485	psig (surface pressure) afte	r 4 Hours
Second producing formation		. (ft)
Gas: Initial open flow	MCF/d Oil: Initial open flow	351/6
Final open flow	MCF/d Final open flow	Ebl/d
Time of open flow betw	ween initial and final tests	Hours
Static rock Pressure	psig (surface pressure) afte	r Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORMTED 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.

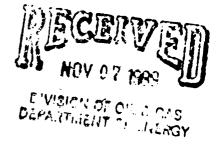
For: WELLS, H. D. OIL & GAS EXP. & DEV. INC.

Date:

DEPARTMENT TO JUENCY

Perf: Berea 2043'-2045' 16 holes Foam Frac: 50,000 lbs. 20/40 sand 250 gal. methanol 496,000 scf. nitrogen

Formation	Top Ft.	Bottom F	t.
Clay Red	0	100	
Shale Dark	100	150	Fresh Water @ 107'
Sand & Shale	150	520	
Red Rock	520	790	
Shale	790	1000	
Sand-Salt	1000	1250	Salt Water @ 1072'
Shale	1250	1680	
Injun Sand	1680	1760	
Shale	1760	2042	
Berea	2042	2044	
Shale	2044	2137	Total Depth



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FORM WW-2B

STATE OF WEST VIRGINIA

		DEPART	WELL WO	RK PERMIT	VISION OF O APPLICATION			
1)	Well Ope	rator: <u>H</u>	. D. Wells	Oil & Gas E	xp. & Dev., I	nc. 52900	(2) 550	
2)	Operator	's Well	Number:	Spear No.	2	3) Ele	evation: 767.96	
4)	Well typ	e: (a)	0il_/	or Gas	5 <u>x</u> /			
		(b)	If Gas:	Production Deep	/	round Storage Shallov		
5)	عن المنافقة							
6)	Proposed Total Depth: 3800 feet							
7)	Approxim	ate fres	h water s	trata dept	hs: 95'	217, 134	2′	
8)	Approxim	ate salt	water de	pths: 80	1100'	122', 1363'		
9)					/	Nové Reporte	id	
10)						•	es/ No_x/	
11)					ate New Well			
12)				'9 '	NG PROGRAM			
TYPE		s	PECIFICAT	IONS	FOOTAGE II	TERVALS	CEMENT	
,,		Size	Građe	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	
Condu	ictor						385918 11.9	
Frest	n Water	9 5/8"	J55		475 '	CAS 475'	200 sacks	
Coal								
<u>Inter</u>	mediate	7"	J55		2000'	2000'	3905R16-11. 2.2 100 sacks	
Produ	ction	4 1/2"	J55		3800 '	3800	<i>38CSR18-11.</i> 1500 ft.	
Tubir	ıg							
Liner	S						PRIVICIA	
						126 50		

Eor Divison of Oil and Gas Use Only

DEPARTMENT OF ENERGY

Sizes

Depths set

PACKERS : Kind

WPCP

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Page 1 of <u>2</u> Form WW2-A		AUG	15	198
(09/87)	וט	VISION	OF O	11 /

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DIVISION OF OIL & GAS DEPARTMENT OF ENERGY 3)

Date	e:	Augus	t 14,	1989		
Ope	rator	's we	ll nu	ımber		
		Spear	No. 2			
API	Well	No:	47 -	- 107	_	1447
		C+ 5	+a -	Country		Domit

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

2)

	NOTICE AND APPLICATION F	OR A WELL WORK PERMIT	
4)	Surface Owner(s) to be served:	5) (a) Coal Operator.	
4)	(a) Name Randall P. Spear	5) (a) Coal Operator: Name <u>n/a</u>	
	Address Rt. 1, Box 40	Address	
	Address Rt. 1, Box 40 Belleville, WV 26133		
	(b) Name	(b) Coal Owner(s) with Declar	ation
	Address	Namen/a	
		Address	
	(c) Name		
	Address	Name	
		Address	***************************************
6)	Inspector Glen P. Robinson	(c) Coal Lessee with Declarat	ion
•	Address Rt. 1, #6 Mt. Pleasant Estate	Name <u>n/a</u> Address	
	Mineral Wells, WV 26150	Address	
	Telephone (304) - 489-9162		
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:	
x	Included is the lease or leases or	other continuing contract or	
cont	racts by which I hold the right to	extract oil and gas OR	
	Included is the information requir	ed by Chapter 22B. Article 1.	
Sect	ion 8(d) of the Code of West Virgin	ia (see page 2)	
	I certify that as required under C	hapter 22B of the West Virgini	a Code
I ha	ve served copies of this notice and	application, a location plat	and
acco	mpanying documents pages 1 through	on the above named parties	: hv:
	Personal Service (Affidavit a	ttached)	,,Dy.
	x Certified Mail (Postmarked po		
	Publication (Notice of Public	ation attached)	
	I have read and understand Chapter	22B and 38 CSR 11-18 and I a	7700
to th	he terms and conditions of any perm	it issued under this applicati	gree
	I certify under penalty of law tha	t I have nersonally evamined a	nd am
fami	liar with the information submitted	on this application form and	nu am
atta	chments, and that based on my inqui	ry of those individuals immedi	a11
resp	onsible for obtaining the informati	on I believe that the informa	tion
is t	rue, accurate, and complete.	on, I believe that the intolma	CION
	I am aware that there are signific	ant nenalties for submitting f	-1
info	rmation, including the possibility	of fine and imprisonment	aise
11110	Wall Operator	H, D. Walls Oil & Gas Exp. & Dev.,	-
	By: Af	II. U. WALIS OII & Gas Exp. & Dev.,	inc.
	Its: Preside	7000	~
	Address P.O. Bo		
		ton, WV 25326	
Subse	Telephone $\frac{(30)}{(30)}$ cribed and sworn before me this $\frac{34}{2}$	4) 346–2829	1000
שנשנ	Tibed and sworm before the this 14th	h day of August	19 <u>89</u>
,	Hospit & Mand bru	•	
-	I was A will A war	Notary	Public