

RECEIVED

23-Feb-90 API # 47- 17-03794

AUG 14 1990 DEPT. OF ENERGY

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

Well Operator's Report of Well Work

Farm name:

McCONNELL, JOE

Operator Well No.: MAXWELL HRS.#4

LOCATION:

Elevation: 743.00 Quadrangle: WEST UNION

District: WESTUNION

County: DODDRIDGE

Latitude: 13500 Feet South of 39 Deg. 22Min. 30 Sec. Longitude 5870 Feet West of 80 Deg. 47 Min. 30 Sec.

Company:QUAKER STATE CORPORATION				
P.O. BOX 189/1226 PUTNAM HOWE BELPRE, OH 45714-0189	Casing	Used in	Left	Cement Fill Up
	Tubing	Drilling	in Well	Cu. Ft.
Agent: FRANK R. ROTUNDA	 Size	 I		
Inspector: MIKE UNDERWOOD			or equipped	***************************************
Permit Issued: 02/26/90	· ·		manufolium a	
Well work Commenced: 03/27/90				l
well work Completed: 04/04/90			Construction	
Verbal Plugging	9 5/8"	176	176	C.T.S.
Permission granted on: N/A				
Rotary X Cable Rig Total Depth (feet) 4157	7''	1033	1033	C.T.S.
Fresh water depths (ft) 75				
Salt water depths (ft)965	4 1/2"	 4723	 4723	300 sx.
Is coal being mined in area (Y/N)? N Coal Depths (ft): N/A	reas contribute distinction			

OPEN FLOW DATA

Producing formation	Benson	Pay zone depth	(ft)	4642
Gas: Initial open flow	show MCF/d	Oil: Initial open flow		Bb1/d
Final open flow	80 MCF/d	Final open flow		Bbl/d
	between init	ial and final tests $\overline{}$		Hours
Static rock Pressure	psig (surface pressure) afte	r	Hours
Second producing format Gas: Initial open flow	show_MCF/d	Oil: Initial open flow		Bbl/d
Gas: Initial open flow Final open flow	show MCF/d	Oil: Initial open flow Final open flow		Bbl/d Bbl/d
Gas: Initial open flow Final open flow Time of open flow	show MCF/d comm. MCF/d between init	Oil: Initial open flow		Bbl/d Bbl/d Hours
Gas: Initial open flow Final open flow	show MCF/d comm. MCF/d between init	Oil: Initial open flow		Bbl/d Bbl/d

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.

	Frank Rotunda	Fral Rotunda	
For:	QUAKER STATE	CORPORATION	

By:				
Date:	8/8/90			
			10	1990

AUG 10 1990 ages of cheagy

PERF: 4642 - 4648 with 25 shots

FRAC: 300 Bbl. foam, 475 sx. sand, 740 M SCF N2

PERF: 4203 - 42241 with 21 shots

FRAC: 210 Bbl. foam, 250 sx. sand, 667 M SCF N_2

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5	0 1	8 -	.0

shale	0 - 340
sand	340 - 380
shale	380 - 794
sand	794 - 824
shale	824 - 866
sand	866 - 888
shale	888 - 962
sand	962 - 984
shale	984 - 1110
sand	1110 - 1124
shale	1124 - 1154
Salt Sands	1154 - 1467
shale	1467 - 1574
lime	1574 - 1588
shale	1588 - 1608
Big Lime	1608 - 1684
Big Injun	1684 - 1799
shale	1799 - 1944
Weir	1944 - 2048
shale/silt	2048 - 4757



FORM WW-2B

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

l) Well Ope	rator:	Quaker Sta	ite Corporatio	on 4040	0(8) 6	70
						evation: 743
4) Well typ	e: (a) 0	il_/	or Gas	<u>X</u> /		
	(b) I	f Gas:	Production_ Deep_	X/ Undergr	ound Storage Shallo	e/ w_X_/
5) Proposed	Target F	'ormation	n(s):Benso	on 435		
6) Proposed	Total De	pth:	4750	_ feet		
7) Approxim	ate fresh	water s	strata dept	hs: 75, 10	00	
8) Approxim	nate salt	water de	epths: 800)		
9) Approxim	nate coal	seam dep	oths: N/A			-
10) Does lar	nd contair	n coal se	eams tribut	ary to acti	ve mine? Y	es/ No_X_/
11) Proposed	l Well Wor	k: Drill	and stimula	te new well		
12)				wa ppoapay		
		-		NG PROGRAM		CEMENT
TYPE	SI	PECIFICA'	rions	FOOTAGE IN		CEMENT
	Size	Grade_		For drilling	Left in well	Fill-up (cu. ft.)
Conductor						O.K. 4 Journs 5,5
Fresh Water	9 5/8"	H-40	29	130	130	Ment.s.
Coal						
Intermediate	7".	H-40	20	1020	1020	C.T.S.
Production	4 1/2"*	J - 55	9.5 or 10.5	4750	4750	As required by rule 38CR 18 11.
Tubing	-					
Liners					1507 12	YEIR THE
PACKERS : Ki	nd					3 TO 1 8 WOL
Si					<u> </u>	FEB 00 1830
				and Gas Use		<u>USION OF OIL & GAS</u> ARTMENT OF ENLIGY
108 12 Fee(s)					lamation Fu	nd WPCP
				Bond <u>50 Å</u>		Agent
1	3 30 50 2	· ·	*		(Type)	

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DIVISION OF OIL & GAS 3)
DEPARTMENT OF ENERGY

Date	e:F	ebrua	ry 2,	1990		
Opei	rator	's we	ll nu	mber		
	N	<u>la xwe l</u>	1 Heirs	s #4		
API	Well	No:	47 -	_017_	 3794	
		Sta	te - 0	County	 Permit	

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be ser (a) Name Joe McConnell	ved: 5) (a) Coal Operator: Name N/A
	Address Mid. Star Route West Union, WV 264	Box 148 Address
	(b) Name Address	(b) Coal Owner(s) with Declaration Name N/A
	(c) Name	Address
	(c) NameAddress	Name
		Address
6)	Inspector Harold Mike Under	wood (c) Coal Lessee with Declaration
	Address Rt. 2, Box 114	Name N/A
	Salem, WV 26426	Address
	Telephone (304)- <u>782-1043</u>	
	TO THE PERSON(S)	NAMED ABOVE TAKE NOTICE THAT:
	Included is the lease or l	eases or other continuing contract or
Cont:	racts by which I hold the r	ight to extract oil and gas <u>OR</u>
Sect	ion 8(d) of the Code of Wes	n required by Chapter 22B, Article 1,
	I certify that as required	under Chapter 22B of the West Virginia Code
I ha	ve served copies of this no	tice and application, a location plat, and
acco	mpanying documents pages 1	through 8 on the above named parties, by:
	Personal Service (Aff	idavit attached)
	Certified Mail (Postm	arked postal receipt attached)
	Publication (Notice o	f Publication attached)
to t	he terms and conditions of a	Chapter 22B and 38 CSR 11-18, and I agree any permit issued under this application. law that I have personally examined and am
fami	liar with the information s	ubmitted on this application form and all
atta	chments, and that based on i	my inquiry of those individuals immediately
respo	onsible for obtaining the in	nformation, I believe that the information
is ti	rue, accurate, and complete	•
	I am aware that there are :	significant penalties for submitting false
info	rmation, including the poss	ibility of fine and imprisonment.
	Well O	perator Quaker, State Corporation
		ank Rotunda From Columbia
	Its: _	Designated Agent
	Addres	P.O. Box 823
		Parkersburg, WV 26102
Suber	Telepho	
ວແນວ(cribed and sworn before me	this 64 day of <u>February</u> , 19 <u>90</u>
	Lail h	. Weeking Notary Public
му с	ommission expires 6-//-	70
•	% 1	