

Ockalb 3-6 DEER WELL

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FERU

Rev 8-81)



State of Mest Wirginia

Beparlment of Mines Bil und Gas Bivision

Date	October	1, 1985	
Opera	ator's	# 2.0.1	
Well	No. Wad	co #391	
Farm	Woofter	#2A	
	%. 47 <u>-</u>		4332
W.T.	~		

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

. 1600				llow/)
COCATION: Elevation: 1002 Watershed	Little Ka	Oudrangle	Tanner	7.5'
District: DeKalb County G:	ıımer	Quadrangie		
COMPANY WACO OIL & GAS CO., INC.				
ADDRESS PO Box 397, Glenville, WV 26351	Caging	Used in	Left	Cement fill up
DESIGNATED AGENT Stephen E. Holloway	Tubing	Drilling	in Well	
ADDRESS PO Box 397, Glenville, WV 26351	Size			
SURFACE OWNER Albert J. Woofter	20-16		_	
ADDRESS Parkersburg, WV 26101	Cond. 13-10"			
MINERAL RIGHTS OWNER Albert 1 Woofter	9 5/8			
ADDRESS Parkersburg, WV 26101	8 5/8	1442	1442	Surf.
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Deo Mace ADDRESS Sandridge, WV	5 1/2			
PERMIT ISSUED April 18, 1985	4 1/2		6490	650 sks.
DRILLING COMMENCED April 25, 1985	3			
DRILLING COMPLETED May 1, 1985	2			
TE ADDITIONEE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
GEOLOGICAL TARGET FORMATION Oriskany				<u>0</u> feet
Depth of completed well 6746 feet	Rotary_	/ Cab	le T∞ls_	
Water strata depth: Fresh 35' 170' feet	; Salt	fee	t	
Coal seam depths: None	Is coa	l being mi	ned in th	ne area? No
ODEN THOSE DAMA	Flk P	ay zone de	pth _{see tr}	eatment feet
OPEN FLOW DATA	Elk P	ay zone de nitial ope	pth _{see tr}	rearment feet Bbl/d
OPEN FLOW DATA Producing formation Shale, Alexander, Case Initial open flow Mcf/c	q Oll: T	micial obe	11 110"	
OPEN FLOW DATA Producing formation Shale, Alexander, Gas: Initial open flow Mcf/c	d 011: 1	inal open	flow_sho	Bb1/d
OPEN FLOW DATA Producing formation Shale, Alexander, Gas: Initial open flow Mcf/c Final open flow 1150 Mcf/c	d Oll: I d F nitial and	inal open final test	flow sho	Bbl/d
OPEN FLOW DATA Producing formation Shale, Alexander, Gas: Initial open flow Mcf/c Final open flow 1150 Mcf/c Time of open flow between in Static rock pressure 1475 psig(sur	d OII: I d F nitial and face measur ion)	rinal open final test rement) aft	flow sho s 4 l er 48 h	Bbl/d hours ours shut in
OPEN FLOW DATA Producing formation Shale, Alexander, Gas: Initial open flow Mcf/c Final open flow 1150 Mcf/c Time of open flow between in Static rock pressure 1475 psig(sur (If applicable due to multiple complet	d OII: I d F nitial and face measur ion) town, Speed	rinal open final test tement) aft	flow shows a ser 48 housepth see	Bbl/d hours ours shut in
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Shale - 5930 to 6170 - 500 Gal 15% Hcl, 60 Ton CO₂

Upper Elk, Lower Elk, Alexander - 500 Gal 15% Hcl, 60 Ton CO₂

2nd Riley, 3rd Riley - 500 Gal 15% Hcl, 60 Ton CO₂

Balltown, Speechly - 1000 Gal 15% Hcl, 60 Ton CO₂

WELL LOG

	W	EIL IOG		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of and salt water, coal, oi	all fresh
Redrock, Sand & Shale	0	20		
Sand & Shale	20	162	Hole damp @ 35'	
Sand, Shale, Redrock	162	170	Fresh Water @ 170'	
Sand & Shale	170	309		
Redrock, Sand & Shale	309 -	540		
Sand & Shale	540	1869	to-septiments	
Little Lime	1869	1875	·	
Sand & Shale	1879	1920		
	1920	1964		
Big Lime	1964	2064		
Big Injun Shale	2064	2126		
	2126	2200		
Weir Sand	2200	2640	•	
Sand & Shale	2640	2648		
Gordon	2648	3222		
Sand & Shale	3222	3358		
Speechly Section	3358	4106	electric de la constant de la consta	
Balltown Section	4106	4691		
Riley Seciton	1	4700		
Benson	4691	4806	830 5200	
Shale	4700			
Alexander	4806	4976	335 6000	
Elk Section	4976	5348		
Shale	5348	6224		
Onondaga LS	6224	6266		
Huntersville Chert	6266	6432		
Oriskany	6432	6498		
Helderburg Section	6498	6746.	TD	
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		essential de la companya de la compa		. ادام سست ام
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				1398
			Commenced	1
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(Attach separate sheets as necessary)

	WACO OIL & GAS CO., INC.
Well	Operator
Ву:	Daniel R. Chapman, Geologist
Date:	October 1, 1985

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including enal, encountered in the drilling of a well."

FORM IV-2(B) (Obverse) 7-83

Theol-Survey



1)

Date:	hiri	ر ا 	 19_85
Omanatan's			
Operator's			

2) Operator . Well No._

2) Operator's
Well No. Waco #391 - Woofter C-2A

3) API Well No. 47 - 021 - 4332
State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELLTY							_	wh.dr		
								/ Deep <u></u> 🗶	/ Shallow	/)
5) LOCATIO			*************		21			ınawha River	····	
	Dis	trict:	_DeKall	<u> </u>		County:	Gilmer	Quadrangle: _	Tanner 7	.5'
6) WELL OP	ERATOR_	WACO	OIL & (GAS ·	CO.,]	INC.	7) DESIGNATE	DAGENT Stephe	en E. Hollo	oway
Address	. <u>P(</u>) Box	397		······································		Address	PO Box 397		
	***************************************		le, Wv		<u>351</u>	-		Glenville, W	<u>IV 26351</u>	
8) OIL & GA			BE NOTIF	TED			9) DRILLING C			
Name D							Name <u>I.I</u>	. MORRIS WELL	SERVICE,	INC.
Address			Box 5			· · · · · · · · · · · · · · · · · · ·	Address	PO Box 397		
		sandri	dge, W					Glenville, W	Carrier	
10) PROPOSE	D WELL	WORK:	Drill		_/ Drill			/ Stimulate	_X/M _	
						n/ Perfora			T	> \
11) GEOLOGI	ICAL TAR	GET FOR	MATION,		<u>Oriska</u>	any				
12) Estima	-				<u>6800 </u>	feet			다. 공 대 공	green and
13) Appro					200	,	. None		Entering Shine	September -
14) Аррго		*			None_	ls co	al being mined in th	ne area? Yes		XS /
15) CASING A	AND TUBI	NG PRO	GRAM						景臺	Gn /
CASING OR TUBING TYPE	ACCUSATION AND ACCUSA	SPEC	IFICATIONS			FOOTAGE I	NTERVALS	CEMENT FILLUP	∥ £vão	ers L
TODENG THE	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	 	(ewas
Conductor									Kinds	
Fresh water	P .	_				250-	250	CTS 04	rule 15	.05
Coal -				· ·	-	*			Sizes	
Intermediate	8 5/8	ERW	20#	X		1400	1400	800 sks to s	urf.	
Production	4 1/2	J-55	10.5#	X_			6800	700 sks.	Depths set	
Tubing								700 0100		
Liners						. "			Perforations:	
							1 COLUMN 1 C		Тор	Bottom
***************************************	1	<u></u>								
	****						***	······································		
***************************************	· · · · · · · · · · · · · · · · · · ·			·		OFFICE USE (
						DRILLING PE	RMIT			
Permit number_	47-	-021-43	332					Αp	ril 18,	19 85
						•		Da		
This permit cove	ering the w	ell operate	or and well	locati	on showi	n below is evidence of	of permission gran	ted to drill in accorda	nce with the peri	inent legal re-
quirements subje	ect to the ci	onditions :	contained l	herein	and on th	ne reverse hereof. No	tification must be	given to the District O	il and Gas Inspec	ctor, (Refer to
						any permitted work work has commenced		well operator or his co	ntractor shall not	lify the proper
							,			
The permitted wareverse hereof.	Ork is as de	escribed in	the Notic	e and A	Application	on, plat, and reclama	ation plan, subject	to any modifications a	and conditions sp	secified on the
Permit expires	Apı	ril 18	, 1987			unless well	work is commence	ed prior to that date and	i proceduted with	due diligence
r evittir evitities -	***************************************		··· ··· ··· · · · · · · · · · · · · ·			unicss wen	work is commence	u prior to that date and	i prosecuted with	due unigence.
Bond:	Agen	it:	Plat:	Casi	ng	Fee	-		1	
1/68	A W		m/	5	11/	525		, 0	1/	
							/ Wira	aut Ix	lasse	
						ar ar a transfer of the samples of t	A	ninistrator, Office of	Oil and Gas	
NOTE: Keep of	one copy of	this perm	nit posted a	it the c	irilling lo	cation.	/7			
-							/_			File
		See	the reverse	e side a	of the AP	PLICANT'S COPY	for instructions to	o the well operator		