



WII-35

Stute of West Wirginiu

DEPARTMENT OF ENERGY
Oil and Oas Division

Date	Decembe	r 2	29,	198	6		
Opera	ator's			#44))	•
Well					11	•	
Farm	Stalnak	er	#21	1			
- 1 IPA			02			4465	
475 7 8	10 •						

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

CATION: Elevation: 690 Watershed	Little Kanawh	a River		
CATION: Elevation: Obs. Materiol. District: Deklab County Gilm	er	Quadrangle	Tanner	7.5'
D10 C13. V -	••			1 2
MIPANY Waco Oil & Gas Co., Inc.		Used in	Left	Cenent
DDRESS P.O.Box 397, Glenville, WV 26351	Casing	Drilling		fill up Cu. ft.
SIGNIED AGENI Stephen E. Holloway	Tubing	DITTITIO	217 11022	
DRESS P.O.Box 397, Clenville, WV 26351	Size 20-16	20	0	, i;
JRFACE CWNER C. F. Stalnaker	Cond.	28	20⁄4	1 0 sks
DDRESS Glenville, W	13-10"	20⁄4	. 204	110 010
INERAL RIGHIS CWHER C.F. Stalnaker et.al.	9 5/8	15/2	440	40 sks
DDRESS Glenville, WV Craig	8 5/8	1543	440	40 313
IL AND GAS INSPECTOR FOR THIS WORK Craig	7		/	
ADDRESS Gassaway, WV	5 1/2			620 -1-
FIGURE ISSUED May 7, 1986	4 1/2		5844	630 sks
RILLING COMMENCED December 4, 1986	3			11
RILLING COMPLETED December 9, £986	2			
PARTICARIES PLICCING OF DRY HOLE ON	Liners			
ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED	used		,	*
2101442101		1	·	<u> </u>
N	3			Foot
TELK	i		th 5500	feet
N Elk	Rotary X			5
Depth of completed well 5902 feet	Salt ''	/ Cabl	e Tools_	\$ \$
Depth of completed well 5902 feet Water strata depth: Fresh feet;	Salt ''	/ Cabl	e Tools_	\$ \$
Depth of completed well 5902 feet Water strata depth: Fresh feet; Coal seam depths: None	Salt ''	/ Cabl	e Tools_	\$ \$
Depth of completed well 5902 feet Water strata depth: Fresh feet; Coal seam depths: None	Is coal	_/ Cabl 72 feet being.min	e Tools_	e area? No
Depth of completed well 5902 feet Water strata depth: Fresh feet; Coal seam depths: None PEN FLOW DATA Producing formation Shale, Elk, Alexander	SaltIs coalPay	/ Cabl 72 feet being min y zone dep	e Tools_ed in th	\$ \$
Depth of completed well 5902 feet Water strata depth: Fresh feet; Coal seam depths: None PEN FLOW DATA Producing formation Shale, Elk, Alexander Gas: Initial open flow Mcf/d	Pay Oil: In:	/ Cabl 72 feet being min y zone dep	e Tools_ed in the	e area? No eatment feet Bbl/d
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Ist Stage: Shale (5801-5605) 500 gal 15% IICL, 25 ton CO₂, 398 mcf N₂ 2nd Stage: Elk, Alexander (4764-4545) 500 gal 15% IICL, 35 ton CO₂, 565 mcf N₂ 3rd Stage: Riley (4240-3980) 500 Gal 15% HCL,40 ton Co₂, 528 mcf N₂

4th Stage: Balltown (3654-3304) 100 Gal 15% Hcl, 80 ton CO2, 770 mcfN₂ 5th Stage: Speecly, (2930-2888) 500 Gal 15% HCL , 20 ton ∞_2 , 520 mcf N_2

WELL LOG

	•••					
		-		REMARKS		
		DOMESTICAL EXECUTIVE	Including	indicat	ion of a	ll fres
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt	vater, α	cal, oil	and gas
	<u> </u>					
Dirt	0	25	٠.	1		
Sånd & Shale	25	148				
Redrock, sand & shale	148	237			*	
Sand & Shale	237	1492	-		,	
Little Line	1492	1516				
Blue Monday	1534	1651				
Big Injun	1651	1677		-		
Sand & Shale	1677	2897 3205		İ		
Speechly Section	2897	3290		Ì		C.F.
Shale '	3205 3290	3846		}		
Balltown Section	3846	4241				
Riley Section	4241	4302				
Shale 7	4302	4309				
Benson	4309	4528		*		
Shale Alexander	4528	4589				
Shale	4589	4715		į		
Elk Section	4715	4979		\ -		
Shale	4979	5838	1			
Marcellus	5838	5982				
Onondaga	5882	5902	. •			
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(Attach separate sheets as necessary)

Waco Oil & Gas Co., Inc.

Well Operator

By: David R. Chapman, Geologist

Date: December 29, 1986

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 only, encountered in the drilling of a well."



1)	Date:	March	27	19.	86
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2) Operator's Wall No Waco #442 - Stalnaker 2A Well No._

47 - 021- 4465 3) API Well No. State County Permit

STATE OF WEST VIRGINIA DIVISION OF OIL & CAS DEPARTMENT OF ENERGPARTMENT OF ENERGY, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY					<u>X</u> _/	/ I Inderground	etorogo.	/ Deep	_/ ShallowX_/)		
5) 1	B (If "Gas", Production X 5) LOCATION: Elevation: 690				_/ Underground Watershed: _	Tipel Translation Disease						
د ود	LOCATIO		strict:	DeKall)	933	County:	Gilmer	Quadrangle:	Tanner 7.5'		
6) 7	WELL OP		TIAGO	OIL &	GAS	COCODI	E: 5/800	7) DESIGNATE	DAGENT Stepher	n E. Holloway		
٠,	Address			ox 397				Address	PO Box 397			
	***		Glen	ville,	WV	26351			Glenville, V	VV 26351		
8) (OIL & GA	S INSPEC	TOR TO	BE NOTIF	TED			9) DRILLING C	ONTRACTOR:	•		
1	Name	Craig 1	Duckwo	cth			75/70/2004/00/70/50/00/70/50/00/8	NameI.	L. Morris Well	l Service, Inc.		
	Address]	Box 10	7, Dav	ssor	n Rt.		Address	PO Box 397			
		Gassaway, WV 26624							Glenville, WV 26351			
10)	PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate	<u>X</u> /		
				•				rate new formation				
				-			well (specify)					
	GEOLOGI					Elk 🐣						
	2) Estima	_			<u>)</u> .	600 (0.012)	fee					
1	3) Appro	ximate tra	ta depths:	Fresh,	NT.	40A12		t,752	feet.	37		
	4) Appro		•		INC	one '	Is c	oal being mined in th	e area? Yes	/ No/		
15)	CASING A	ND TUB	ING PRO	GRAM								
	ING OR ING TYPE		SPEC	IFICATIONS Weight	;	Page 1	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS		
I UDI	ing iir	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)			
Condu	ctor	<u></u>								Kinds		
Fresh v	water	11.74					155_	155	TO SURFACE	Per Luce 15.05		
Coal		<u> </u>	ļ							Sizes		
Interm	ediate	8 5/8	ERW	20#	_X		900	900	258 sks			
Produc	ction	4 1/2	J-55	10.5#	X			5500	625 sks	Depths set		
Tubing	3											
Linc.s	***					1				Perforations:		
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							OFFICE USE					
						ı	DRILLING PI	ERMII				
Permi	it number_	4	17-021	-4465					M	av 7 1986		
									Dat	V		
This p	permit cove	ring the w	ell operate	or and wel	locati	on shown	below is evidence	of permission gran	ted to drill in accordan	ice with the pertinent legal re-		
quirer	ments subje	ect to the c	onditions	contained	herein :	and on the	reverse hereof No	tification must be g	iven to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper		
io. 8) distric	Prior to th	e construc	tion of ros	ds, locatio	ns and	pits for at	ny permitted work ork has commenc	in addition, the	well operator or his con	tractor snall notify the proper		
	_	-			-					to the state of th		
	ermitted w se hereof.	ork is as d	lescribed in	the Notic	e and A	Application	n, plat, and reclar	nation plan, subject	to any modifications a	nd conditions specified on the		
	it expires _	R.	lav 7.	1988	}		unless we	ll work is commence	d prior to that date and	prosecuted with due diligence.		
1 (11111	it expires _	**					4111000 110	work to commence	a prior to mar aute and	prosecuted with due diagonates		
Во	ond:	Agent	:: F	lat:	Casi	ng I	Fee WPCF	S&E	Other			
		Ari	5 X	451	A	5 /15	-93 A	51481				
L					42	2 113						
								John N. 9	duston his	Wargaret L		
NOTE	E: Keep o	ne copy o	f this perm	it posted a	at the c	Irilling loca	ation.	Virector Ni	vision of Oid	and Mad		

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

Director, Division of Oil and Gas