

MR-35 DIVISION ENTOF LIVE



State of Mest Airginia

DEPARTMENT OF ENERGY
Oli und Oas Bivision

DateI	ulv 25,	1986		-
Operator	uly 25,			
Well No.	Waco #	323		-
Farm	Lockar	d		
API No.			4222	•

WELL OPERATOR'S REPORT OF

, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

CATION: Elevation: 866 Watershed	Leading Cr	eek		
District: Troy County Gilm	er	Quadrangle	<u>Glenvil</u>	le 7.5'
OMPANY Waco Oil & Gas Co., Inc.	~	T		Cement
DRESS PO Box 397, Glenville, WV 26351	Casing	Used in		fill up
ESIGNATED AGENT Stephen E. Holloway	Tubing	Drilling	in Well	Cu. ft.
DDRESS PO Box 397, Glenville, WV 26351	Size			,
JRFACE OWNER WACO OIL & CAS CO., INC.	20-16 Cond.			
DDRESS PO Box 397, Clenville, WV 26351	13-10"	212	212	surf
INERAL RIGHTS OWNER Waco Oil & Gas Co., Inc.	9 5/8			
DDRESS PO Box 397, Glenville, WV 26351	8 5/8	2041	2041	surf
IL AND GAS INSPECTOR FOR THIS WORK Craig	7			
Duckworth ADDRESS Gassaway, WV 26624	5 1/2			
ERMIT ISSUED 07/16/84	4 1/2		0058	1053
RILLING COMMENCED 01/18/85	3		9000	
RILLING COMPLETED 02/09/85	2			
	4			
E ADDITCABLE: PLUGGING OF DRY HOLE ON				
F APPLICABLE: PLUGGING OF DRY HOLE ON	Liners			
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED	Liners used			
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N		Dep	th. 650	feet
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N FOLOGICAL TARGET FORMATION ELK	used			0 feet
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N FOLOGICAL TARGET FORMATION Depth of completed well 9111 feet	used Rotary x	/ Cabl	e Tools_	0 feet
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N EDIOGICAL TARGET FORMATION Depth of completed well Water strata depth: Fresh None feet;	Rotary x	/ Cabl	e Tools_	
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Oriskany -(6416 - 6429) 250 gal 15% Hcl, 183 bbl $\rm H_2O$, 15000# 20/40, 130 MCF $\rm N_2$

WELL LOG

Sand & Shale		AT	عما سنا		v.
Sand & Shale Sand, Shale, Redrock Sand & Shale 1538 1538 1538 1555 Little Lime 1555 1586 Sand & Shale 1555 Sand & Shale 1705 1746 Big Lime 1705 1746 Big Injun Sand & Shale 2867 Speechly Section 3126 Speechly Section 3126 Speechly Section 3126 Speechly Section 3126 Shale 4401 4418 Banson 44413 Shale 4401 Shale Alexander 4401 Alexander 4401 Alexander 4641 A777 Alexander Elk Section 5366 6133 Shale Marcellus Shale Onondaga Lime Huntersville Chert Oriskany Sand Helderberg Good Helderberg Good Tonoloway Salina Newberg Salina Newberg Rose Hill Roserora Juniata 163 387 1538 1538 Damp @ 1447' Damp @ 1441' Page	FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indic	ation of all fresh
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(Attach separate sheets as necessary)

WACO OIL & GAS CO., INC.
Well Operator

By: Daniel R. Chapman, Geologist

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Date: July 25, 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 intelligence of a well."

1)	Date:	· · · · · ·	June	28		_, 19	84
2)	Operator's Well No.	Waco	#323	3			
3)	API Well No.	47	(21	_	4222	
-		State	Co	unty		Pe	rmit

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

APPLICATION FOR A WELL WORK PERMIT

Sizes Sizes Coal Sizes Sizes	4) WELL TY						/ I Inderground	storage	/ Deen V	/ Shallow	Λ
District: Troy County: Cilmer Quadrangle: Clenville 7.5!	E) I OCATIO	ו) פו הוסד יומי	i "Gas", i	85 85	6 7		Watershed:	Leadino C	reek LK	75) anow _	/)
6) WELL OPERATOR WOCO 011 & GAS CO., Inc. Address 1297 N. Lewis Street Clenville, MV 26351 5) OIL & GAS INSPECTOR TO BE NOTIFIED Name Dee Mace Address ROULE 1, BOX 5 Sandridge, MV 25274 Sinch PROPOSED WELL WORK: Drill X Drill deeper. Plug off old formation. Other physical change in well (specify). 10) GEOLOGICAL TARGET FORMATION. Elk 12) Estimated depth of completed well. 13) Approximate trais depths: Fresh. 110' feet; sall. 14) Approximate trais depths: Fresh. 110' feet; sall. 13) Approximate trais depths: Tresh. 110' feet; sall. 13) CASING AND TURING PROGRAM CRISS GR. CASING ON TURING PROGRAM Fresh well of the feet of	3) LOCATIO	114.	V 02.011								
Address 1297 N. Lewis Street Clenyille, Wy 26351 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace Address ROUTE 1, Box 5 Sandridge, WY 25274 COUNTY: Cother physical change in well deeper Redrill Simulated depth of completed well, 6500' Cother physical change in well specify). Cother physical change in well said, both of the said, both of the said, both of the said in the said said, both of the said intermediate of the said from the said said said said said said said said	6) WELLOP					Co I					
CLENY111e, W 26351 S) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deep Mace Address Route 1, Box 5 Sandridge, W 25274 Clenytille, W 26351 PROPOSED WELL WORK: Drill X Drill deeper Redrill Simulate Clenytics, Inc. Address Glerytille, W 25274 Clenytille, W 25274 Dill deeper Redrill Simulate Clenytics Clenytics Clenytille Clenytics C	•										
SOLE & GAS INSPECTOR TO BE NOTHED Name Deo Mace Name Let Service Inc. Address Route 1 Box Sandridge, WV 25274 Glenyther	1 1001 001										
Name Deo Mace Name I. I. Mortis Well Service, Inc. Address Sandridge WV 25274	8) OIL & GA	S INSPEC						9) DRILLING CO		•	
Sandridge W 25274 Glenville Glen	•						-	Name I.	L. Morris We	11 Service	. Inc.
PROPOSED WELL WORK: Drill X Drill deeper Redrill Stimulate				e 1, B	ox 5			Address			
Plug off old formation Perforate new formation Perforate new formati			Sand	ridge,	WV	25274			Glenvi	Hadirer	2017
Plug off old formation Perforate new formation Perforate new formati	10) PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate	1121/015	AV JP
13 CEDILOGICAL TARGET FORMATION, EIL 10	ŕ			Plug of:	f old f						
12) Estimated depth of completed well, 6500 feet feet salt, none feet. 13) Approximate traits depths: Fresh, 110° feet; salt, none feet. 14) Approximate coal seam depths: none list coal being mined in the area? Yes OII 606AS DIVISION 15) CASING AND TUBING PROGRAM CASING OR SPECIFICATIONS TOWN TUBING PROGRAM CASING OR SPECIFICATIONS TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN				Other pl	nysical	change in w	vell (specify)		<u></u>		
13) Approximate trata depths: Fresh, 110 feet; sall, none feet. 14) Approximate coal seam depths: none is coal being mined in the area? Yes DEPT, FMINEL CASING APPROXIMATE OF ACRES O	,									<u> </u>	1984
14) Approximate coal seam depths:	12) Estima	ated depth o	of complet	ed well, _	·····	6500	feet				
CASING AND TUBING PROGRAM CASING OR CASING OR CASING OR SPECIFICATIONS FOOTAGE INTERVALS COMMENTER Size Conductor Conductor Frink water Coal Intermediate 8 5/8 20 X 600 600 600 CTS_Neat No Additives Performance Performance Top Bottom OFFICE USE ONLY DRILLING PERMIT Permit number 47-021-4222 July 16, 19 84 Date This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. No. 8) Prior to the construction of roads, locations and pits for any permitted work, In addition, the well operator or his contractor shall notify the proper listert oil and gas inspector 24 hours before acquire permitted work has commenced.) The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit tayings Lines Agent: Plat: Casing Fee HANKET DATE: Keep one copy of this permit posted at the drilling location. File File									feet.	OU 0 CA9	DIVISION
CASING OR TUBING TYPE Size Grade Grade Grade Grade From Grade From Frein water Coal Intermediate A 5/8 20 X 600 600 600 650 650 650 Refronce Frein water Coal Intermediate Frein water Coal Intermediate Frein water Coal Intermediate A 1/2 10.5 X 600 650 650 650 650 Refronce Frein water Frein water Coal Intermediate Frein water Frein water Coal Intermediate Frein water Frein water Coal Intermediate Frein water Frein water Frein water Coal Intermediate Frein water Frein water Frein water Coal Intermediate Frein water Fre	14) Appro	oximate coa	l seam dep	ths:		none	Is co	oal being mined in the	e area? Yes		- KAIKIE C
TUBING TYPE Size Grade per ft. New Used For drilling Left in well Clouble feet) Kinds	15) CASING	and tubi	NG PRO	GRAM						EPI.O	FIVILIACE
Conductor Conductor Conductor Fresh water Coal Co			SPEC		; ,		FOOTAGE	INTERVALS		PACKER	S
Perh water Coal Intermediate 8 5/8 20 X 600 600 CTS_Neat No Additives Perfordation 4 1/2 10.5 X 6500 6500 acks Depths set Depths set Trubing Liners OFFICE USE ONLY DRILLING PERMIT Permit number 47-021-4222 Tournest subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to Not. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.) Bond: Agent: Plat: Casing Fee BlankET DATE Lasing Fee Bond: Agent: Plat: Casing Fee BlankET Bond: Agent: Plat: Casing Fee BlankET Bond: Agent: Plat: Casing Fee BlankET NOTE: Keep one copy of this permit posted at the drilling location. File	10011101110	Size	Grade		New	Used	For drilling	Left in well			
Sizes	Conductor	4								Kinds	
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