

WR-35



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



Sinte of Mest Nieginia

DEPARTMENT OF ENERGY

Bil und Gas Division

PateJa	anuary 30,	1987	<i>7</i>				
Operator's							
Well No.	TV-104						
Farm Summers/Smith							
API No	47 - 079	425	1138				

FEB 23 1987

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas \underline{X} / Liquid Injection (If "Gas," Production \underline{X} / Undergro	uno Storage	=	7 7 3110	
LOCATION: Elevation: 673.75 Watershed	Five and Tw	enty Mile	Creek	
District: Teays Valley County Put	nam	Quadrangle	Mount (Olive W
				CHARLES AND THE PROPERTY OF TH
COMPANY Teavee Oil & Gas. Inc. 1901 KanaWHA Valley Bldg. ADORESS Charleston, WV 25301	Toring	Used in	Teft	Cement
DESIGNATED AGENT Duane Bowers	Caşing Tubing			fill up Cu. ft.
ADDRESS P. O. Box 27, Winfield, WV 25213	Size	0.222319		
V Courtlandt Smith 11	20-16			
P. O. Box 27, Winfield, WV 25213	Cond.	27.4	27.4	The constant
MINERAL RIGHTS OWNER Same as above	9 5/8	<u> </u>	214	To surface
ADDRESS Same as above				
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	8 5/8	2105	2105	165 sks.
Tephabock ADDRESS Ripley, WV	5 1/2	2100	2100	1200 01101
PERMIT ISSUED 10/4/85	4 1/2			
DRILLING COMMENCED 10/27/85	3 1/2	4114	4114	210 sks.
DRILLING COMPLETED 11/3/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN VERBAL PENTISSION OFFICE	<u></u>			
GEOLOGICAL TARGET FORMATION Marcellus		Dep	th 420	00 fe et
Depth of completed well 4131 feet				
Water strata depth: Fresh 40 feet;				
Coal seam depths: N/A	Is coal	being mir	ed in th	e area? No
OPEN FLOW DATA Producing formation Brown shale	Day	v zane des	oth 3000) feet
Gas: Initial open flow Not Taken Mcf/d				
Final open flow 46 Mcf/d	Fi	nal open f	low	N/A Bbl/d
Time of open flow between ini				
Static rock pressure 885 psig(surfa				
(If applicable due to multiple completion			eggsambaye/amelicarejamenii/birestr	
Second producing formation N/A	/ Pa	v zone de:	oth	feet
Gas: Initial open flow N/A Mcf/d	Oil: In	itial oper	n flow	Bbl/d
Final open flow N/A Mcf/d	Oil: Fi	nal open :	flow	Bbl/d
Time of open flow between ini				
_				
Commence and the commence of t				
Static rock pressurepsig(surface		ent) afte		ours sh

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated from 3024-3684 45 shots (.39)") Breakdown with 750 gallons 15% HCl, 2 gallon Iron sequencer, 5 gallon Iron stablizer Pumped 90% intensified foam at 40 barrel/min. carrying 500 sks of 20/40 sand and 75 sks of 10/20 sand with 670,500 SCF N₂ in 149 barrel of 2% KCl water. Breakdown at 2300 psig pumped 1/2 of sand away dropped 20 perf balls, pumped remaining sand away shut in w/1200 psig on well head. Flowback through 1/4 inch choke 8 hrs 3/4 choke 20 hours 2 inch open blowoff 48 hours

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOYTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Surface Red rock Sand and shale Red rock Sand and shale Salt sand Sandy shale Maxton Sandy shale Little lime Slate and shells Pencil cave Big lime Keener sand Shale Big injun sand Silty shale Coffee shale Berea sand Gray shale Gordan stray Gray shale Brown shale White slate Marcellus shale Onondaga limestone	0 50 100 400 500 1074 1361 1375 1385 1400 1456 1491 1495 1715 1733 1759 1845 2250 2264 2290 2479 2496 3330 3690 3994 4135	50 100 400 500 1074 1361 1375 1385 1400 1456 1491 1495 1715 1733 1759 1845 2250 2364 2290 2479 2496 3330 3690 3994 4135 4145	Salt water 800 Salt water 800 FEB 18 198/ DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Gas oil Gas Gas TD
Depths taken from electric lo	og		

(Attach separate sheets as necessary)

By: Designated Agent

Date: 2/2/87

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 in the drilling of a well."

FORM WH-2(B) FILE COPY (Covered 7/85) OCT - 1 1985



1)	Date: September 30,	1985
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2) Operator's TV - 104

3) API Well No. 47 079 -1138
State County Permit

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

APPLICATION FOR A WELL WORK PERMIT WELL TYPE: A Oil B (If "Gas", Production Underground storage 673 Watershed: _ LOCATION: District: Teavs County: 48900 Glas CODE: WELL OPERATOR 7) DESIGNATED AGENT DRILLING CONTRACTOR: OIL & GAS INSPECTOR TO BE NOTIFIED Name _ Address Address Drill PROPOSED WELL WORK: Drill / Redrill_ deeper Stimulate Plug off old formation, Perforate new formation Other physical change in well (specify) Devenian 11) GEOLOGICAL TARGET FORMATION, 4<u>□</u>_feet <u>4200</u> 12) Estimated depth of completed well, 2 174 feet; 50 800 salt. 13) Approximate trata depths: Fresh, 14) Approximate coal seam depths: Is coal being mined in the area? 15) CASING AND TUBING PROGRAM CASING OR **SPECIFICATIONS** FOOTAGE INTERVALS CEMENT FILL-UP PACKERS TUBING TYPE Weight OR SACKS For drilling Size per ft. New Used Left in well (Cubic feet) Conductor # Kinds 95% 32 Fresh water Coal Siz 2100 20 2100 intermediate Se 9.2 420C 4200 3 4, 150 Production Tubing Perforations Liners Top Bottom OFFICE USE ONLY DRILLING PERMIT 47-079-1138 October 1 19 85 Permit number 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 Notification must be given to the District Oil and Gas Inspector. (Refer to 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 district oil and gas inspector 24 hours before actual 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. October 1, 1987 Permit expires unless well work is commenced prior to that date and prosecuted with due diligence. Bond: Plat: Casing Fee WPCP S&E Agent: Other

Director,

Division of

Oil and Gas

File

NOTE: Keep one copy of this permit posted at the drilling location.