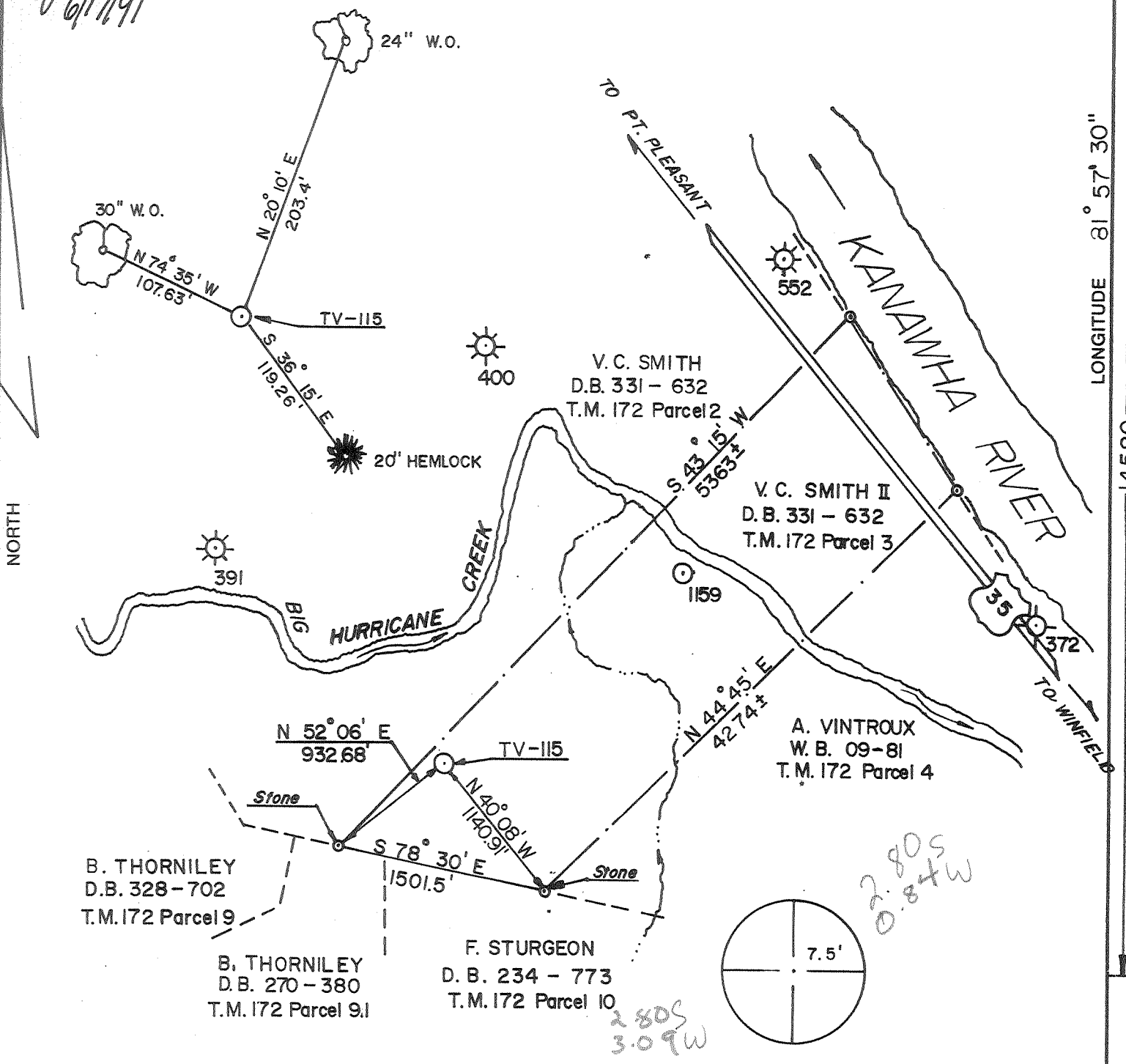


Jamil
6/17/91

4450
LATITUDE 38° 35' 00"

LONGITUDE 81° 57' 30"

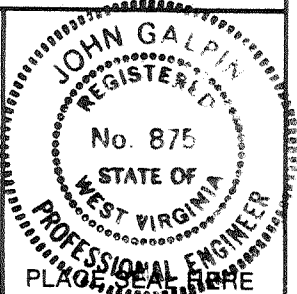
14580



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 91-115
 DRAWING NO. 1
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PUT-1159 elev. 580.59'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY
 (SIGNED) [Signature]
 R.P.E. 875 L.L.S. [Signature]



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 6, 1991
 OPERATOR'S WELL NO. TV-115
 API WELL NO. 47-079-1160

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 670.94' WATERSHED BIG HURRICANE CREEK
 DISTRICT TEAYS VALLEYS COUNTY PUTNAM
 QUADRANGLE WINFIELD 15 SW

SURFACE OWNER V. COURTLANDT SMITH II ACREAGE 142
 OIL & GAS ROYALTY OWNER V. COURTLANDT SMITH II LEASE ACREAGE 142
 LEASE NO. _____

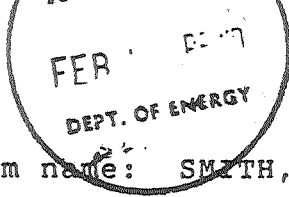
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 4300
 WELL OPERATOR TEAVEE OIL & GAS INC. DESIGNATED AGENT DUANE BOWERS
 ADDRESS 901 KANAWHA VALLEY BLDG. CHARLESTON WV 25301 ADDRESS P.O. BOX 27 WINFIELD WV 25213

JUN 25 1991

DEEP WELL - 64 Midway - Extra (270)

COUNTY NAME
 PERMIT



Well Operator's Report of Well Work

Farm name: SMITH, V. COURTLANDT II Operator Well No.: TV-115

LOCATION: Elevation: 670.94 Quadrangle: WINFIELD

District: TEAYS VALLEY County: PUTNAM
Latitude: 14580 Feet South of 38 Deg. 35Min. 0 Sec.
Longitude 4450 Feet West of 81 Deg. 57 Min. 30 Sec.

Company: TEAVEE OIL & GAS, INC.
1901 KANAWHA VALLEY BLDG
CHARLESTON, WV 25301-0000

Agent: DUANE K. BOWERS

Inspector: GLEN P. ROBINSON
Permit Issued: 06/17/91
Well work Commenced: 07/31/91
Well work Completed: 10/27/91
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 4368
Fresh water depths (ft) _____
None encountered
Salt water depths (ft) 810

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 10 3/4	15	15	
8 5/8	696	696	To Surface
7	2008	2008	150
2 3/8		3322	Packer@ 2500
1 1/2		2373	

Is coal being mined in area (Y/N)? N
Coal Depths (ft): none encountered

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 3350
Gas: Initial open flow 12 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 94 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 420 psig (surface pressure) after 72 Hours

Second producing formation Upper Huron Pay zone depth (ft) 2320
Gas: Initial open flow not take MCF/d Oil: Initial open flow 1 Bbl/d
Final open flow 1 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure not take psig (surface pressure) after n/t Hours

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.

For: TEAVEE OIL & GAS, INC.

By: Duane Bowers
Date: 1/22/92

*70F-12
70F-95
no oil production reported
1992
1993
obably
the
1993
stamps
k/a
8/3/95*

- 1) Stimulated with 12,000 pound of Tovon explosive powder for TD 4368' back to 3170' on 11/5/91/ Well bore bridged requiring clean out. Cleaned out shot hole from 3100' - 3400'
- 2) Porforated joint of tubing 3322-3300
- 3) Geological Record

C-C'
 297-865

Formation	Top	Bottom	Remarks
Surface	0	13	
Sand and Red Rock	13	137	
Sand and Slate	137	235	
Red Rock	235	285	
Sand	285	335	
Red Rock	335	355	
Broken Sand	355	380	
Gray Slate	380	530	
Sand and Slate Breaks	530	1030	salt water 810 Hole full
Shell	1030	1050	
Sand Light gray Hard	1050	1080	
Slate and Shells	1080	1240	
Sand	1240	1250	
Slate and Sand	1250	1470	
Maxon Sand	1470	1525	
Little Lime	1525	1535	
Slate	1535	1570	
* BIG LIME	1570	1732	
Sandy Lime	1732	1752	
* INJUN SAND	1752	1808	
Sandy Lime	1808	1816	
Slate and Shells	1816	2050	
Shale	2050	2229	
* COFFEE SHALE	2229	2242	
* BEREIA SANDSTONE	2242	2270	Show Gas
Slate and Shells	2270	2522	Oil show @ 2320
Shale	2522	3350	
* BROWN SHALE LN 810	3350	3752	Gas @ 3350 4/10 1"
White Slate	3752	4094	
MARCELLUS SHALE	4094	4256	
CORNIFEROUS LIME 462	4256	4368	

* Electric Log Tops

Downer Group
 785

TD

12405

RECEIVED

JUN 14 1991

FORM WW-2B

079-1160
Issued 06/17/91

Page 5 of 9

Expires 06/17/93

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

WELL WORK PERMIT APPLICATION

- 1) Well Operator: ⁸⁶⁹ Teavee Oil & Gas, Inc. 48900 (5) 687
- 2) Operator's Well Number: TV-115 3) Elevation: 670.94
- 4) Well type: (a) Oil or Gas
(b) If Gas: Production Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): ⁴⁴¹ Marcellus Shale
- 6) Proposed Total Depth: 4300 feet
- 7) Approximate fresh water strata depths: 100-200
- 8) Approximate salt water depths: 800
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Drill & Stimulation New Well
- 12)

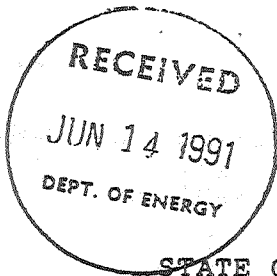
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	10	LS	40.5	30		
Fresh Water	8 5/8	New/used	24	700	700	250
Coal						
Intermediate	7	New	20	2200	2200	180
Production	3 1/2	New	9.2		4300	165
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

691-11
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond (S) Cooperation Agent
(Type)



1) Date: May 21 1991
2) Operator's well number TV-115
3) API Well No: 47 - 079 - 1160
State - 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 served:
(a) Name V. Courtlandt Smith
Address P.O. Box 27
Winfield WV 25213
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Glen Robinson
Address P.O. Box 1
Belville WV 26133
Telephone (304)- 863-8766

5) (a) Coal Operator:
Name N
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address A

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Tayee Oil & Gas, Inc.
By: Duane Bourd
Its: Designated Agent
Address P.O. Box 27
Winfield WV 25213
Telephone _____

Subscribed and sworn before me this 7th day of JUNE, 1991

David W. Kimberly Notary Public
My commission expires 1/26/97