



FILE NO. 113
 DRAWING NO. 1
 SCALE 1" = 50'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PUT. 0845
 elev. 850 ft.

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) _____
 R.P.E. 875 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE SEPTEMBER 20, 19 89
 OPERATOR'S WELL NO. TV--113
 API WELL NO. 47-079-1149

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

LOCATION: ELEVATION 736.46' WATERSHED DADS BRANCH
 DISTRICT BUFFALO 1 COUNTY PUTNAM 079
 QUADRANGLE WINFIELD 688 Winfield 139 C

SURFACE OWNER HELEN HARMON ACREAGE 84.63
 OIL & GAS ROYALTY OWNER H. HARMON & T. MARTIN LEASE ACREAGE 65±
 LEASE NO. _____

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION BROWN SHALE ESTIMATED DEPTH 4500
 WELL OPERATOR TEAVEE OIL & GAS INC. DESIGNATED AGENT DUANE BOWERS
 ADDRESS 1901 KANAWHA VALLEY BLDG. CHARLESTON WV 25301 0869 ADDRESS P.O.B. 27 WINFIELD WV 25213

SEP 25 1989

DEEP WELL 6-6 Midway - Extra (278)

NOV 05 90
Permitting
Oil and Gas Section

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: HARMON, HELEN Operator Well No.: TV-113

LOCATION: Elevation: 736.46 Quadrangle: WINFIELD

District: BUFFALO County: PUTNAM
Latitude: 3500 Feet South of 38 Deg. 37Min. 30 Sec.
Longitude 7880 Feet West of 81 Deg. 52 Min. 30 Sec.

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

Agent: DUANE K. BOWERS

Inspector: JERRY TEPHABOCK
Permit Issued: 09/22/89
Well work Commenced: 03/23/90
Well work Completed: 08/17/90
Verbal Plugging _____
Permission granted on: _____
Rotary Cable X Rig
Total Depth (feet) 4500
Fresh water depths (ft) _____
NONE ENCOUNTERED
Salt water depths (ft) 840

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 3/4	30	30	DRIVE PIPE
8 5/8	813	813	235
7.00	2039	2039	175
5 1/2	2110	2110	SHOE
3 1/2		4452	175

OPEN FLOW DATA

Producing formation Brown Shale Pay zone depth (ft) 3805
Gas: Initial open flow 25 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 131 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 795 psig (surface pressure) after 48 Hours

Second producing formation Marcellus Shale Pay zone depth (ft) 4445
Gas: Initial open flow 10 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 10 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 795 psig (surface pressure) after 48 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: 11/02/90

NOV 12 1990

PERFORATED INTERVAL 3655 -3876 27 holes

STIMULATED WITH 15% HCl to break down at 2500 psig
 90% quality foam pad total N₂ 399,305 scf.
 750 sacks 20/40 sand, total fluid 151.5 barrel
 32 barrel/ min. 1-4 lb./ gallon
 1150 isip.

FORMATION	TOP	BOTTOM	REMARKS
Surface	0	50	
Slate	50	260	
Sand	260	270	
Slate	270	790	
Sand	790	885	Salt Water 840 ft.
Slate	885	900	
Sand	900	920	
Slate	920	1130	
Sand	1130	1180	
Slate & Lime Shell	1180	1570	
Sand	1570	1585	
Slate	1585	1630	
Sand	1630	1700	
Little Lime	1700	1715	
*BIG LIME	1715	1900	
Slate	1900	1930	
*BIG INJUN	1930	1982	Show of gas 1930 ft.
Shells	1982	2230	Salt Water @2045 ft.
Slate & Shells	2230	2380	
*COFFEE SHALE	2380	2400	
*BEREA SAND	2400	2428	Show of gas 2411
Slate & Shells	2428	2604	
Gray Shale	2604	3566	Gas
*BROWN SHALE	3566	3976	Gas
Gray Shale	3976	4340	
*MARCELLUS	4340	4499	Show of gas @ 4445
Corniferous Lime	4499	4500	

* DENOTES ELECTRIC LOG TOPS

9582

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Teavee Oil & Gas Inc. 48400 (1) 687
- 2) Operator's Well Number: TV-113 3) Elevation: 736.46
- 4) Well type: (a) Oil / or Gas X /
 (b) If Gas: Production X / Underground Storage /
 Deep / Shallow X /
- 5) Proposed Target Formation(s): Brown Shale
- 6) Proposed Total Depth: 4500 feet
- 7) Approximate fresh water strata depths: 250 feet 335', 359'
- 8) Approximate salt water depths: 900 feet 1750'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: Drill new well test Big Line & Big Injun
Drill to Brown Shale and stimulate.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	10 3/4	LS	32	18	18	N/A
Fresh Water	8 5/8	ERW	23	700	700	200
Coal						38' 3" 11.3
Intermediate	7"	LS	20	2350	2350	100
Production	3 1/2	EUE	9.3	4500	4500	300
Tubing						38' 3" 11.1
Liners						

RECEIVED
 SEP 21 1989

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent
 (Type)

RECEIVED
SEP 21 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: September 20 1989
2) Operator's well number
TV-113
3) API Well No: 47 - 09 - 1149
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 Helen Harmon
Address Rt 1 Box 265
Buffalo WV 25033
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Jerry Tephabock
Address Rt 1 Box 101-A
Ripley WV 25271
Telephone (304) 372-6805

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

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 Teayee Oil & Gas, Inc.
By: Duane Soucis
Its: Designated Agent
Address P. O. Box 27
Winfield WV 25213
Telephone 304-586-2151

Subscribed and sworn before me this 20th day of SEPTEMBER, 1989

David W. Kimberly Notary Public
My commission expires 7-1-26-92