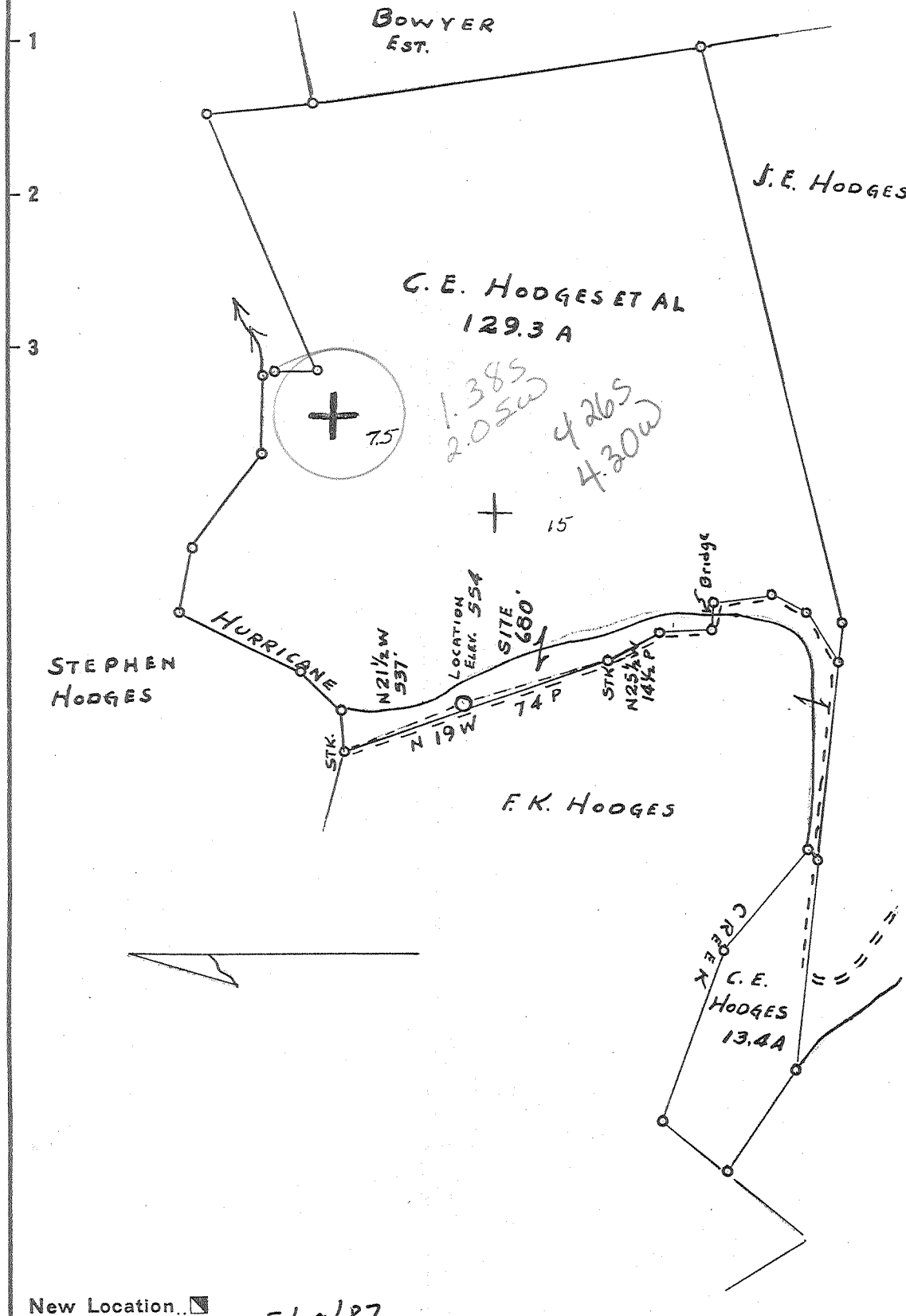


Latitude **38° 35'**

38 32 30
- 75'

← 10900 → 17300 →

81° 57' 30" ←
Longitude **81° 55'**



New Location
 Drill Deeper - 5/19/87
 Abandonment

Company TRAVEE OIL AND GAS INC.
 Address CHARLESTON, W. VA.
 Farm C. E. HODGES ET AL
 Tract _____ Acres 144 Lease No. _____
 Well (Farm) No. 1 Serial No. 11
 Elevation (Spirit Level) 554
 Quadrangle WINFIELD / Winfield 7.5
 County PUTNAM District TEAYS VALLEY
 Engineer John Galpin
 Engineer's Registration No. 875
 File No. _____ Drawing No. _____
 Date 9/14/40 Scale 1" = 660'

869

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

WELL LOCATION MAP
 FILE NO. PUT-78-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

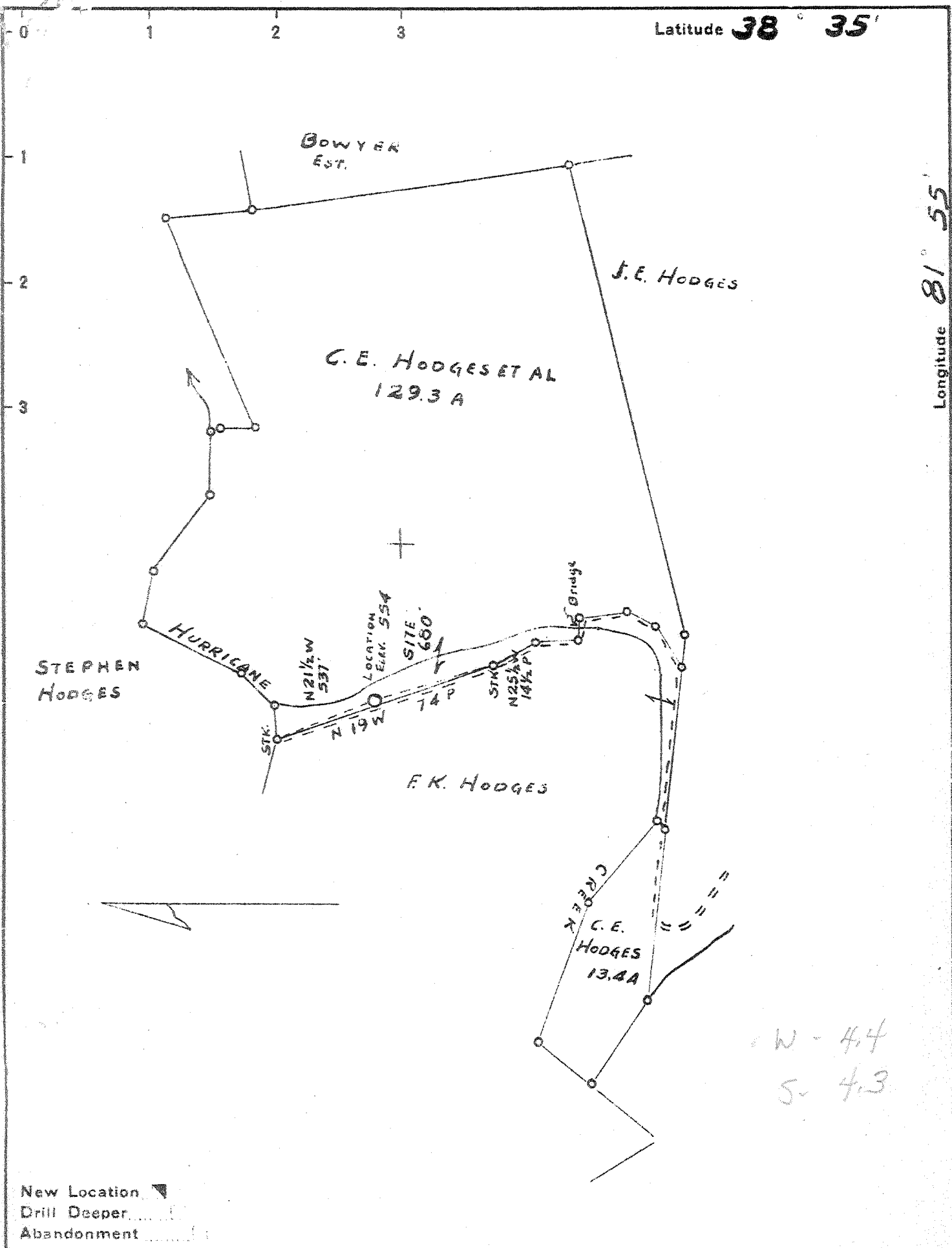
- Denotes one inch spaces on border line of original tracing.

47-079

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 K & E CO., N. Y.

MAY 26 1987

WOOD DEEPWELL 6-6 Hurricane Creek (210)



New Location
 Drill Deeper
 Abandonment

Company TRAYEE OIL AND GAS INC.
 Address CHARLESTON, W.VA.
 Farm C.E. HODGES ET AL
 Tract _____ Acres 144 Lease No. _____
 Well (Farm) No. 1 Serial No. 11
 Elevation (Spirit Level) 554.
 Quadrangle WINFIELD SW
 County PUTNAM District TEAYS VALLEY
 Engineer John Galpin
 Engineer's Registration No. 875
 File No. _____ Drawing No. _____
 Date 9/14/40 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. PUT-78

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500. latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Put-78
Winfield Quad.

Gas Well

		CASING & TUBING
Company	Teavee Oil & Gas, Inc.,	10 48 44
Address	Charleston, W. Va.	8-1/4 667 667
Farm	C. E. Hodges, et al ACRES 144	3 tubing 996 996
Location	Hurricane Creek	
Well No.	1 (TV-11) ELEV. 554	Packer - OWS Gas Anchor
District	Teays Valley - Putnam County	Size - 3 x 8-1/4 x 16
Surface & Mineral	C. E. Hodges, Milton, W. Va.	Depth set - 980
Commenced	Sept. 17, 1940	Perf. top - 983
Completed	October 4, 1940	" bot.- 996
Shot	Not shot	
Open Flow	114/10ths Water in 3 inch	Coal at 640' 6"
Volume	1,000,000 c.f.	
Rock Pressure	460 lbs. 72 hrs.	
Fresh water	50	
Salt Water	590	

Surface	0	40	
Blue Mud	40	65	
Red Mud	65	80	
Sand	80	95	
Blue Mud	95	118	
Sand	118	135	
Slate	135	205	
Red Rock	205	220	
Blue Slate	220	286	
White Slate	286	326	
Sand	326	332	
Slate - white	332	365	
Red Rock	365	371	
White slate	371	409	
Sand	409	442	
Slate - white	442	485	
Sand	485	510	
Slate - gray	510	544	
Sand	544	555	
Slate - gray	555	584	
Sand	584	602	
Slate	602	667	Show coal at 640
Sand	667	766	
Slate	766	772	
Sand	772	878	
Slate	878	965	
Sand & Shell (broken)	965	994	
Sand - Salt	994	996	
Total Depth		996	

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1) Date: 4/20/ 1987
 2) Operator's Well No. TV-11 DD
 3) API Well No. 47 State 079 County 0078 Permit -DD

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

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 554.0 Watershed: Hurricane Creek
 District: Jeays Valley 5 County: Putnam 079 Quadrangle: Winfield WN 687
- 6) WELL OPERATOR Jeays Oil & Gas Inc. CODE: 48900 7) DESIGNATED AGENT Duane Bowers
 Address 1901 Kanawha Valley Bldg. Charleston WV 25301 Address P.O. Box 27 Winfield WV 25213
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephack
 Address Rt 1 Box -101-A Ripley WV 25271
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) Pull 3" tubing & packer
- 11) GEOLOGICAL TARGET FORMATION, Marcellus Shale
- 12) Estimated depth of completed well, 4000 feet
- 13) Approximate strata depths: Fresh, 400-500 feet; salt, 580-590 feet.
- 14) Approximate coal seam depths: 640 show Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor	10				X	48	48			
Fresh water	8 1/4				X	667	667			
Coal										
Intermediate	7	LS	20	X		2100	2100	100 thru	Salt Sand.	
Production	3 1/2	Smr	9.2	X		4000	4000	200		Depths set
Tubing	3	Tubing				996	996	TO BE Pulled		
Liners										Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-079-0078-DD Date May 19 19 87

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.

Permit expires May 19, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>5344</u> <u>205</u>	Other: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
---	--	---	---	--------------------------------	--	--

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

Director, Division of Oil and Gas

File

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



WR-35

Date 3/9/88
Operator's TV 11-DD
Well No. TV 11-DD
Farm C. E. Hodges
API No. 47 - 079 - 0078DD

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JAN 30 1989

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep X / Shallow /)

LOCATION: Elevation: 554 Watershed Hurricane Creek
District: Teays Valley County Putnam Quadrangle Winfield, WV

COMPANY Teavee Oil & Gas, Inc.
ADDRESS 1901 Kanawha Valley Bldg. Charleston, WV 25301
DESIGNATED AGENT Duane Bowers
ADDRESS P. O. Box 27, Winfield, WV 25213
SURFACE OWNER E. R. Legg
ADDRESS
MINERAL RIGHTS OWNER E. R. Legg
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephabock ADDRESS Ripley, WV

PERMIT ISSUED 9/01/87
DRILLING COMMENCED 9/25/87
DRILLING COMPLETED 12/13/87

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.		44	
13-10"			
9 5/8			
8 5/8		667	
7	1744	1744	140
5 1/2			
4 1/2			
3 1/2		4053	291
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 4050 feet
Depth of completed well 4074 feet Rotary / Cable Tools XX
Water strata depth: Fresh 50 feet; Salt 590 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Corniferous Lime Pay zone depth 3956-4074 feet
Gas: Initial open flow 10 Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 15 Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 750 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)

Second producing formation Brown Shale Pay zone depth 3397-3458 feet
Gas: Initial open flow 15 Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 150 Mcf/d Oil: Final open flow N/A Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 750 psig (surface measurement) after 48 hours shut in

(Continue on reverse side)

FEB 3 1989

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

3993-4074 shot with Judimite powder tamped 30 ft. 1/4" pea gravel
 3 1/2" tubing perforated from 3406-3408 - 4 holes, 3454-3459 - 10 holes, 3465-3470 10 holes
 Fractured with high rate N₂ foam 90% - 65%, Total N₂ 366,101 scf, 75,000 lbs. of
 20/40 sand pumped from 1 to 6 lbs./gal. at 20 barrel/min. Total barrels of foam
 pumped 619.6 - 160 barrel of water. No acid used. ISIP - 1800 psi.

EDWARD L. ...

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Please see original well record 47-079-0078 for description of well prior to drill deeper.					
Salt sand				996	Original TD
Sand			996	1492	
Shale			1492	1501	
Sand			1501	1508	
* Big Injun sand			1508	1630	
Shale			1630	1636	
* Weir shells			1636	1850	
Shale			1850	2000	
* Coffee Shale			2000	2011	
* Berea sand			2011	2042	Show gas
Shale Gray			2042	2240	
Gordon Stray			2240	2252	
Shale gray			2252	3104	
* Brown shale			3104	3490	Gas
White slate			3490	3818	
Shale			3818	3939	Show gas
* Marcellus shale			3939	3954	Show gas
* Corniferous limestone			3954	4044	Show gas
* Oriskany sand			4044	4055	
* Corniferous limestone			4055	4074	TD

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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

*Indicates Electric log top.

(Attach separate sheets as necessary)

Teavee Oil & Gas, Inc.

Well Operator

By: Deane Bower Geologist

Date: 3/9/88

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
 encountered in the drilling of a well."