

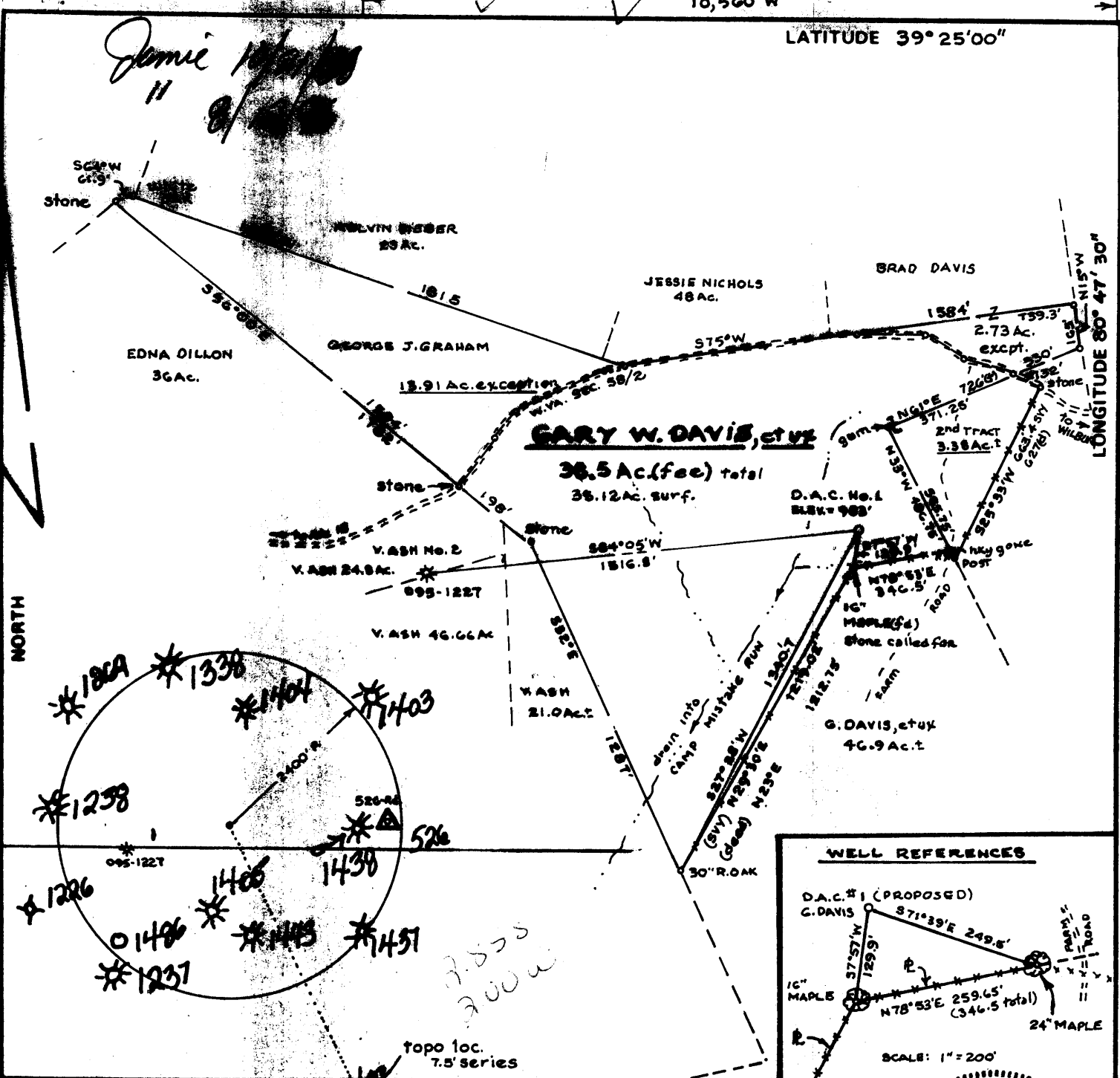
10,560' W

LATITUDE 39° 25' 00"

LONGITUDE 80° 47' 30"

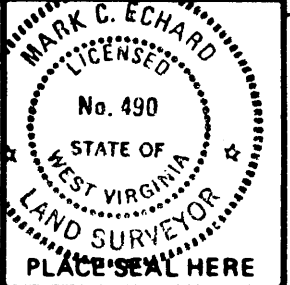
14,940' S

*Jamie [unclear]*  
11  
8/2000



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE OF ELEVATION 1 CT. ROADS 1900' NE of loc. ELEV. = 1088'

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 MINES. *Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE SEPTEMBER 20, 1988  
 OPERATOR'S WELL NO. G. DAVIS #1  
 API WELL NO. 47-095-01265-7  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 983' WATER SHED CAMP MISTAKE RUN  
 DISTRICT CENTREVILLE COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.6'  
 SURFACE OWNER GARY W. DAVIS, et al ACREAGE 38.12 of 38.5  
 OIL & GAS ROYALTY OWNER GARY W. DAVIS, et al LEASE ACREAGE 38.5  
 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) Set company plug for Gordon & Neil Benson plug 4925' coningle with Benson.  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION BENSON-RILEY ESTIMATED DEPTH 5300' ±

Trek, Inc.  
 P.o. Box 5087  
 Vienna, Wva. 26105-5087

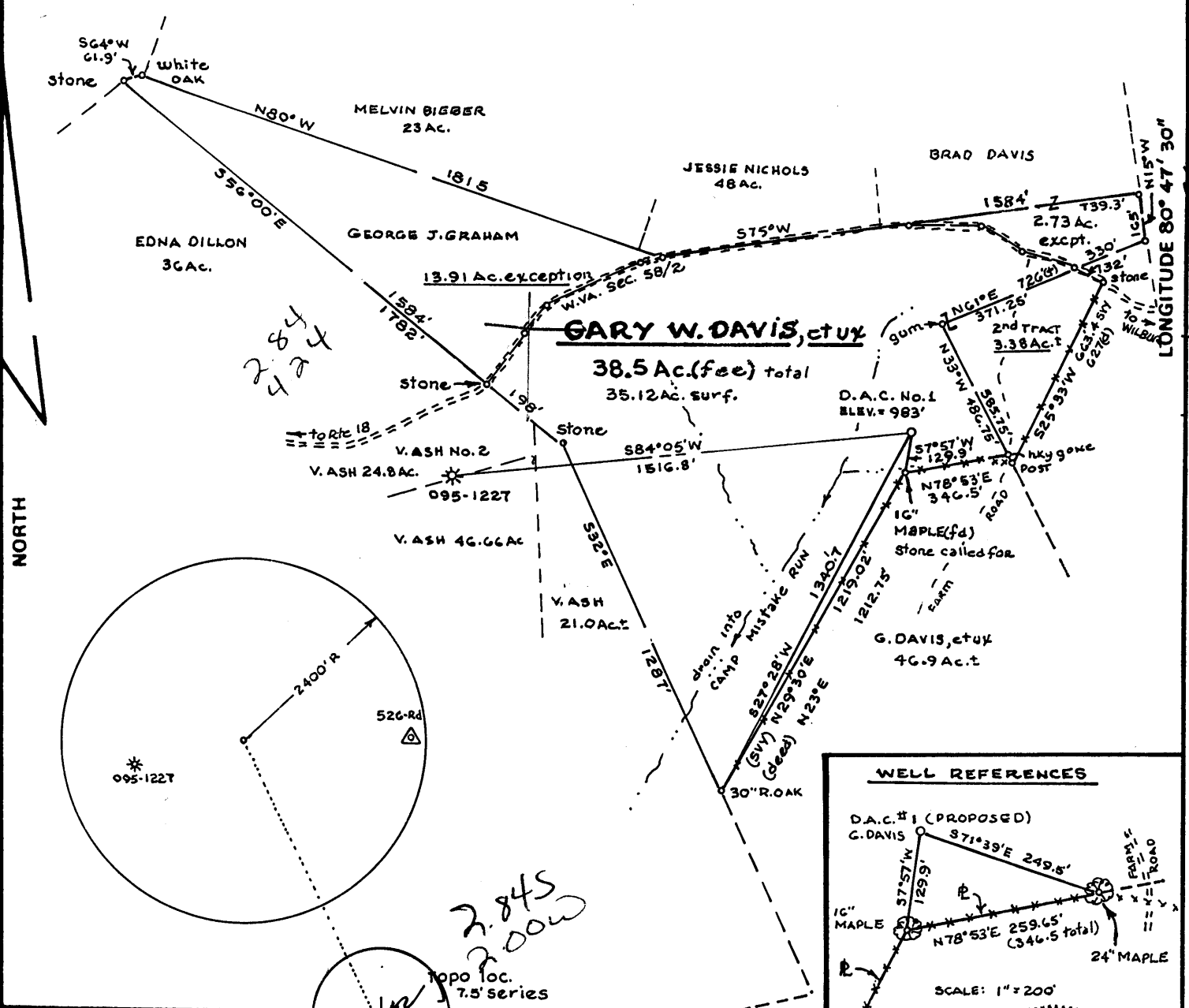
Candace D. McCloskey  
 Same Address  
 PH: 304-295-8735

TYLER 1265

10,560' W

LATITUDE 39° 25' 00"

Jamie 10/21/99

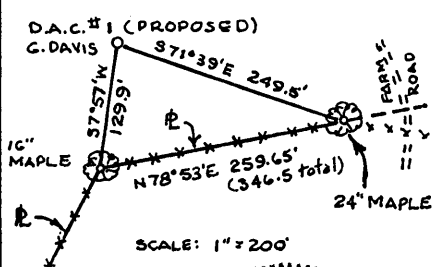


NORTH

LONGITUDE 80° 47' 30"

14,940' S

WELL REFERENCES

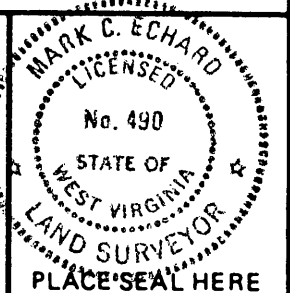


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE OF ELEVATION JCT. ROADS 1900'± NE of loc. ELEV. = 1038'

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 MINES.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD

R.P.E. \_\_\_\_\_ L.L.S. 490



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

FORM IV-6 (8-78)



DATE SEPTEMBER 20, 1988  
 OPERATOR'S WELL NO. G. DAVIS # 1  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 1265  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 983' WATER SHED CAMP MISTAKE RUN  
 DISTRICT CENTERVILLE 1 COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' 607 1336 West Union EC

SURFACE OWNER GARY W. DAVIS, et ux ACREAGE 35.12 of 38.5  
 OIL & GAS ROYALTY OWNER GARY W. DAVIS, et ux, et al LEASE ACREAGE 38.5  
 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 BENSON-RILEY ESTIMATED DEPTH 5300'±

WELL OPERATOR D.A.C. DESIGNATED AGENT MR. KENNETH MASON  
 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320 280 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320

OCT 24 1988

WR-35

09-Aug-96  
API # 47- 95-01265 F

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: COSTILOW, CONRAD Operator Well No.: DAVIS #1

LOCATION: Elevation: 983.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 14940 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 10560 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TREK, INC.  
P. O. BOX 5087  
VIENNA, WV 26105-5087

Agent: CANDACE D. McCLOSKEY

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/12/96  
Well work Commenced: 08/12/96  
Well work Completed: 08/16/96  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) \_\_\_\_\_  
Fresh water depths (ft) \_\_\_\_\_  
Salt water depths (ft) \_\_\_\_\_  
Is coal being mined in area (Y/N)? \_\_\_\_\_  
Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

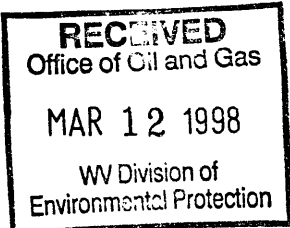
OPEN FLOW DATA

Producing formation Weir Sand Pay zone depth (ft) 2279-81  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 450 MCF/d Final open flow 3 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 350 psig (surface pressure) after 24 Hours

Second producing formation Injun Sand Pay zone depth (ft) 1954-92  
Gas: Initial open flow \* MCF/d Oil: Initial open flow \* Bbl/d  
Final open flow \* MCF/d Final open flow \* Bbl/d  
Time of open flow between initial and final tests \* Hours  
Static rock Pressure \* psig (surface pressure) after \* Hours

\*Both Formations Comingled.

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: TREK, INC. (Signature)  
By: Candace McCloskey (Signature)  
Date: 3/10/98

MAR 13 1998

TYL 1265 F

08-12-96 Set Bridge Plug @ 2454'. Perforated 4 holes @ 2444'.  
Cemented w/200 Sx 50/50 Pozmix.

08-16-96 Weir Sand: 2279'-81' (9 Holes) 38,000# 20/40 Sand, 60,000 SCF N<sub>2</sub>,  
506 BW & 12 BA

Injun Sand: 1954'-92' (10 Holes) 37,000# 20/40 Sand, 60,000 SCF N<sub>2</sub>,  
463 BW & 18 BA

**RECEIVED**  
JAN 23 1989

API # 47- 95-01265

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

**DIVISION OF OIL & GAS** Well Operator's Report of Well Work  
**DEPARTMENT OF ENERGY**

Farm name: DAVIS, GARY W. Operator Well No.: DAVIS #1

LOCATION: Elevation: 983.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 14940 Feet South of 39 Des. 25Min. 0 Sec.  
Longitude 10560 Feet West of 80 Des. 47 Min. 30 Sec.

Company: DRILLING APPALACHIAN CORP  
P. O. BOX 99  
ALMA, WV

Asent: KENNETH R. MASON

Inspector: GLEN P. ROBINSON  
Permit Issued: 10/21/88

Well work Commenced: \_\_\_\_\_

Well work Completed: 10/25/88

Verbal Floussins 11/1/88

Permission granted on: \_\_\_\_\_

Rotary  Cable \_\_\_\_\_ Rig

Total Depth (feet) 4925

Fresh water depths (ft) 450

Salt water depths (ft) 1770

Is coal being mined in area (Y/N)? \_\_\_\_\_

Coal Depths (ft): 908-914

Casings & Tubing Size	Used in Drilling	Left in Well	Cement (Fill Up) Cu. Ft.
11-3/4	112	112	55 sks
8-5/8	1829	1829	420 sks
4-1/2	4992	4992	200

**RECEIVED**  
DEC 23 1988

OPEN FLOW DATA

**DIVISION OF OIL & GAS**  
**DEPARTMENT OF ENERGY**  
Pay zone depth (ft) 4912-4925

Producing formation Benson  
Gas: Initial open flow smell MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow smell MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure \_\_\_\_\_ 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: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason

Date: 12/20/88

JAN 23 1989

Well treated as follows;

Benson perforated from 4912-4925 with 14 holes. Fraced with 350 sks sand, 390 bbls treated fluid, Aug rate 23 bpm, Aug psi 2391

Riley perforated from with 14 holes. Fraced with sks sand, bbls treated fluid, Aug rate bbls pm, Aug psi

Electric log tops

Big Lime-----

Berea----- 2408

Riley----- 4488

Benson-----4925

sd	0----	99
sh	99----	113
sh/rr	113---	134
sd	134---	141
sd/sh	141---	185
rr/sh	185---	256
sd	256---	265
sd/sh	265---	436
rr	436---	465
sh	465---	605
sd	605---	650
sh	650---	680
coal	680---	686
sh	686---	705
sd/sh	705---	731
sh/rr	731---	743
sd/sh	743---	768
sh/rr	768---	829
sh	829---	856
sd/sh	856---	908
coal	908---	914
sh/rr	914---	948
sh/sd	948---	993
sh/rr	993---	1012
sh	1012---	1810
Lime	1810---	1865
Injun	1865---	2055
sd/sh	2055---	4925

hole wet 450

salt water 1770

**RECEIVED**  
DEC 23 1988

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

**RECEIVED**  
JAN 23 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

6582

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

22369

Well Operator: <sup>1044</sup> TREK, INC. 49660 (1) 607

Operator's Well Number: DAVIS #1 3) Elevation: 983.00

Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow \_\_\_ /  
*Issued 08/12/96  
Expires 08/12/98*

5) Proposed Target Formation(s): <sup>49</sup> GORDON, WEIR

6) Proposed Total Depth: 4925 feet

7) Approximate fresh water strata depths: 450

8) Approximate salt water depths: 1770

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /

11) Proposed Well Work: FRAC GORDON, WEIR FORMATIONS

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight per ft.	For drilling	FOOTAGE INTERVALS Left in well	CEMENT Fill-up (cu. ft.)
	Size	Grade				
Conductor	11-3/4			112'	112'	55 sks
Fresh Water	8-5/8			1829'	1829'	420 sks
Coal						
Intermediate	4-1/2			4992'	4992'	200 sks
Production						
Tubing						
Liners						

*Existing Well Record*

*Check for squeeze job*  
*STOP*  
*3441'*

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

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

4332

**RECEIVED**  
WV Division of  
Environmental Protection

AUG 09 1996  
Permitting  
Office of O&G

1) Date: AUGUST 8, 1996  
2) Operator's well number  
DAVIS #1  
3) API Well No: 47 - 95 - 01265 - F  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS**

**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:  
(a) Name CONRAD COSTILOW  
Address HCR 14  
WILBER, WV 26320  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector MIKE UNDERWOOD  
Address P.O. BOX 135 Rt. 2  
SALEM, WV 26426  
Telephone (304)-782-1043

(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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)

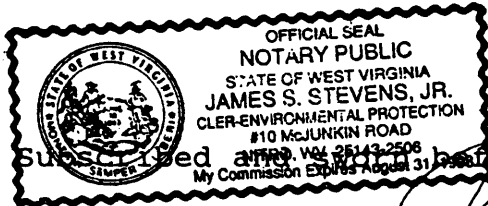
I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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 TREK, INC.  
By: DOUGLAS E. ADAMS  
Its: FIELD SUPERVISOR  
Address P.O. BOX 5087  
VIENNA, WV 26105

Telephone (304) 295-8735  
Subscribed and sworn to before me this 8th day of August, 1996



James S. Stevens, Jr. Notary Public  
My commission expires August 31, 1998



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

- 1) Well Operator: <sup>6311</sup> Drilling Appalachian Corporation 14425, 1, 606
- 2) Operator's Well Number: Davis #1 3) Elevation: 983'
- 4) Well type: (a) Oil X/ or Gas X/  
 (b) If Gas: Production X/ Underground Storage   /  
 Deep   / Shallow X/
- 5) Proposed Target Formation(s): Benson/Riley 235
- 6) Proposed Total Depth: 5300± feet
- 7) Approximate fresh water strata depths: 350? 220'
- 8) Approximate salt water depths: 1450, 1275
- 9) Approximate coal seam depths: None 575-578'
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/
- 11) Proposed Well Work: Drill; perforate; stimulate new formation
- 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	11-3/4"	H-40	27#	100'	100'	CTS
Fresh Water						
Coal						38CSR18-11.2.2
Intermediate	8-5/8"	J-55	23#	1925'	1925'	CTS Neat 38CSR18-11.3
Production	4-1/2"	J-55	10½#	5100'	5100'	38CSR18-11.1
Tubing						
Liners						

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 OCT 21 1988

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: 3500 Well Work Permit OK 2/12 Reclamation Fund    WPCP     
 Plat    WW-9    WW-2B    Bond 50 Blanket Agent     
 (Type)

**RECEIVED**  
OCT 21 1988

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: Oct. 21, 1988  
2) Operator's well number  
    Davis #1  
3) API Well No: 47 - 095 - 1265  
    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 Gary W. Davis and Debra J. Davis  
Address HCR 74, Box 46  
    Wilbur, WV 26320
- (b) Name ---  
Address \_\_\_\_\_
- (c) Name ---  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name ---  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name ---  
Address \_\_\_\_\_
- Name ---  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name ---  
Address \_\_\_\_\_
- 6) Inspector Glen Robinson  
Address Rt 1, No. 6 Pt. Pleasant  
    Mineral Wells WV 26150  
Telephone (304)- 469-9162

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  
x 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:

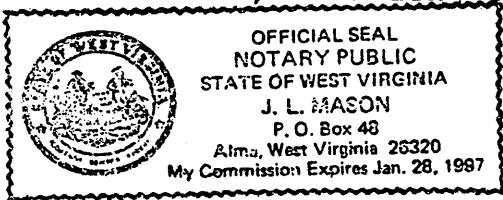
- \_\_\_ Personal Service (Affidavit attached)
- \_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_ Publication (Notice of Publication attached)

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 Drilling Appalachian Corporation  
By: Kenneth P. Mason  
Its: President  
Address PO Box 99  
    Alma WV 26320-0099  
Telephone 304-758-4638



Subscribed and sworn before me this 21st day of Oct., 1988

My commission expires 1-26-97 Notary Public