



T. D. SWIGER LEASE 99.25 AC. ±

LATITUDE 39°22'30" W
LONGITUDE 80°45'00" S

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION JCT. OF ROADS
SOUTH OF LOC. ELEV. = 862'

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

PLACE SEAL HERE

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



DATE AUGUST 29, 19 94
OPERATOR'S WELL NO. SWIGER NO. 3
API WELL NO. 47-017-4155
STATE VA 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 1127 WATER SHED BRANCH OF NUTTER FORK
DISTRICT WEST UNION COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7.5 ACREAGE 99.25
SURFACE OWNER JOSEPH CORATHERS
OIL & GAS ROYALTY OWNER THOMAS DOAK HRS. et al LEASE ACREAGE 99.25
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-ALEXANDER ESTIMATED DEPTH 5700'
WELL OPERATOR TREK, INC DESIGNATED AGENT CANDACE McCLOSKEY
ADDRESS P.O. BOX 5087 ADDRESS P.O. BOX 5087
VIENNA, W. VA. 26105 VIENNA, W. VA. 26105

SEP 10 1994

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work
Farm name: CORATHERS, JOSEPH Operator Well No.: SWIGER NO. 3

LOCATION: Elevation: 1,127.00 Quadrangle: WEST UNION
District: WEST UNION County: DODDRIDGE
Latitude: 12180 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 3220 Feet West of 80 Deg. 45 Min. Sec.

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

Agent: EDWARD B. KIME
Inspector: MIKE UNDERWOOD
Permit Issued: 09/06/94
Well work Commenced: 9/25/94
Well work Completed: 10/7/94

Verbal Plugging
Permission granted on: _____ Rig
RotaryX Cable
Total Depth (feet) 5578'
Fresh water depths (ft) _____

Salt water depths (ft) _____
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.
11-3/4	123'	123'	CTS 70 sks
8-5/8	1323'	1323'	CTS 365 sks
4-1/2	5540'	5540'	225 sks

OPEN FLOW DATA

Producing formation Alexander/ Benson
Gas: Initial open flow 1,000 + MCF/d Oil: Initial open flow 0 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 1400 psig (surface pressure) after 48 Hours
Second producing formation _____
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

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.

By: Candace McCloskey
Date: 12/8/94

Perforated at a depth of 5424'-5444', 12 shots. Fraced with 808 bbls 20# gell water 95,000 SCF nitrogen gas, 10,000# 80/100 and 50647# 20/40 sand. Formation break occurred at 1100 psi, average treatment psi was 3132, average fluid rate was 27.06 bbls/min, ISIP was 1700 psi.

Perforated the second stage at a depth of 5122-5125, 16 shots. Fraced with 776 bbls 20# gell water, 90,000 SCF nitrogen gas, 10,000# 80/100, 40,613# 20/40 sand. Formation Break was at 2791 psi, average treatment pressure was 3147 psi, average fluid rate was 21.35 bbls/minute. ISIP was 1830 psi, 5 minute shut in psi, 1506.

Permian sands/shales	0	500	
Pennsylvanian sands/shales	500	2050	
Big Lime shale	2056	2112	
Keener Sand	2113	2115	
Big Injun Sand shale	2116	2139	
Weir Sand shale	2140	2260	
Gantz Sand shale	2261	2403	
Gordon Sand shale	2404	2482	
Warren Sand shale/siltstone	2483	2595	
Riley shale/siltstone	2596	2614	
Benson Sand shale/siltstone	2615	2815	
Alexander Sand shale/siltstone	2816	2853	
	2854	3469	
	3570	3524	
	3525	4656	
	4657	4709	
	4710	5120	
	5121	5126	show gas
	5127	5369	
	5370	5459	
		5605	
TD		5605	

RECEIVED
WV Division of
Environmental Protection

SEP 06 1994 STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Issued 09/06/94
Expires 09/06/96

Permitting
1046

Office of Oil & Gas

1) Well Operator: TREK, Inc. 2) 38CSR18-11.3 3) Elevation: 1127

4) Well type: (a) Oil / or Gas X

(b) If Gas: Production / / Underground Storage /
Deep / / Shallow X

5) Proposed Target Formation(s): Alexander/Benson

6) Proposed Total Depth: 5700 feet

7) Approximate fresh water strata depths: 90'

8) Approximate salt water depths: 1300'

9) Approximate coal seam depths: N/A

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

11) Proposed Well Work: Drilling and Completion including frac.

12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE	LEFT IN WELL	FILL-UP	CEMENT
			per ft. drilling	drilling	well	(cu. ft.)	
Conductor	11-3/4		38#	120'	120'	CTS by 38CSR18-11.3	
Fresh Water							
Coal							
Intermediate	8-5/8		23#	1300'	1300'	CTS by 38CSR18-11.2.2	
Production	4-1/2		10.5#		5700'	300 sks by 38CSR18-11.	
Tubing							
Liners							

PACKERS : Kind N/A
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 Blanket Agent Blanket (Type)

RECEIVED
WV Division of
Environmental Protection

19707

1) Date: August, 29, 1994
2) Operator's well number Swiger #3
3) API well No: 47 - 017 - 4155
State - County - Permit

Permitting
Office of the 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 Wayne Ravenscroft
Address Rt. 2 Nutter Fork Rd
West Union, WV 26456
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name N/A
Address _____
- (b) Coal Owner(s) with Declaration
Name N/A
Address _____
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 782-1043

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 11 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 PERK, Inc.
By: [Signature]
Its: President
Address P.O. Box 5087
Vienna, WV 26105

Subscribed and sworn before me this 30th day of August, 1994

My commission expires 01/01/2001
Candace D. McCloskey

OFFICIAL SEAL
NOTARY PUBLIC STATE OF WEST VIRGINIA
CANDACE D. McCLOSKEY
903 - 41st Street
Vienna, WV 25105
My Commission Expires: October 18, 2001