

GLENVILLE STATE COLLEGE ALUMNI FOUNDATION LEASE 61.4 ACRES± TOTAL WELL NO. 2

Gregory A. Smith

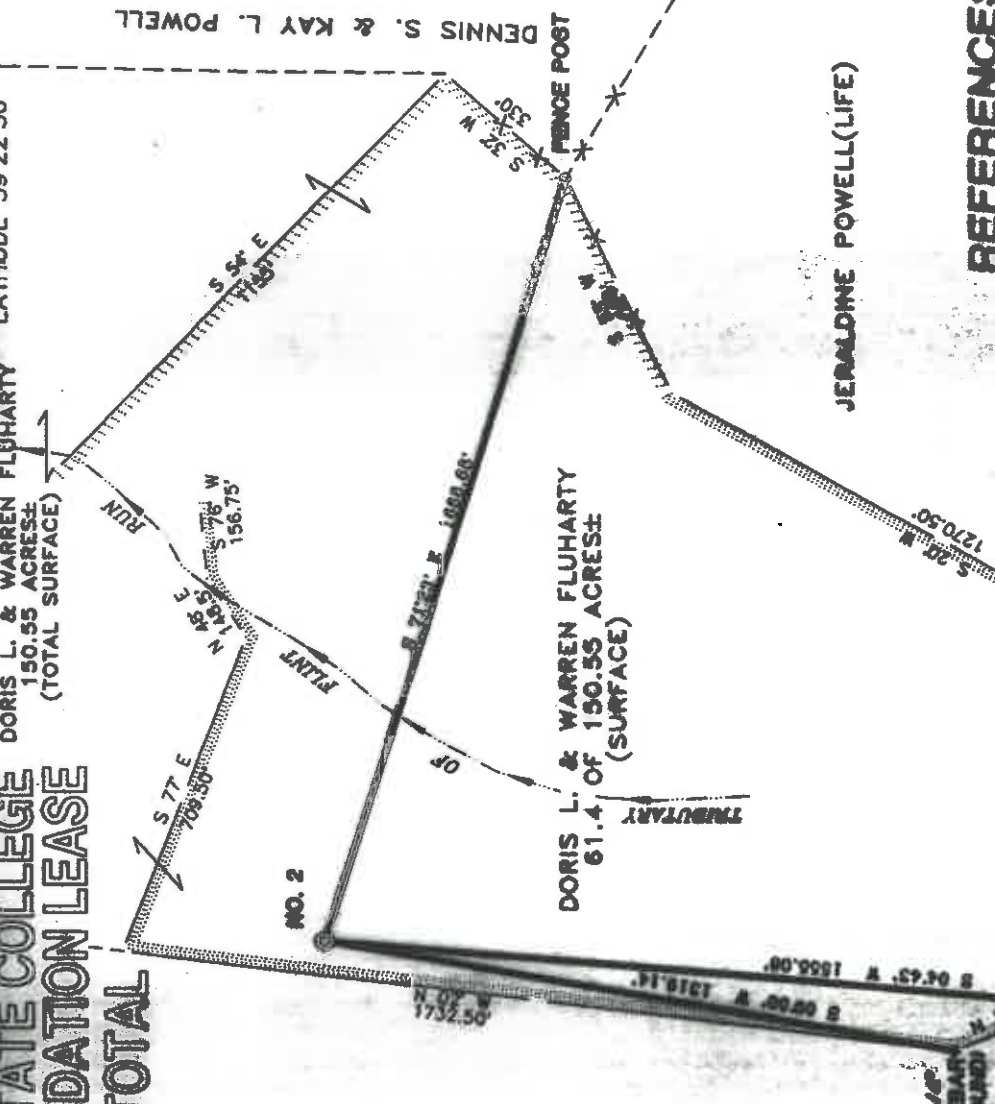
JIM C. HAMER CO.

4,450'

DORIS L. & WARREN FLUHARTY
150.55 ACRES±
(TOTAL SURFACE)

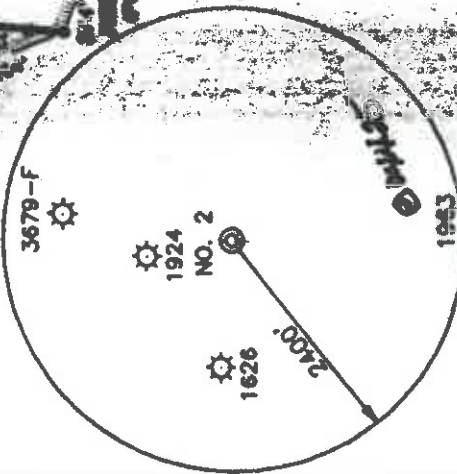
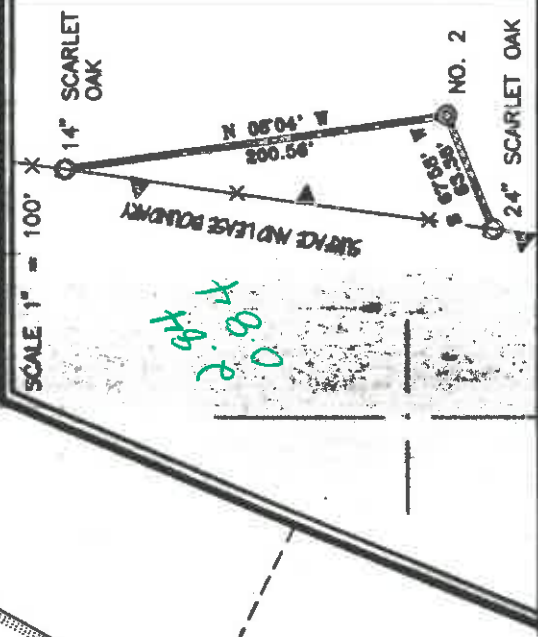
LATITUDE 39°22'30"

LONGITUDE 80°40'00"



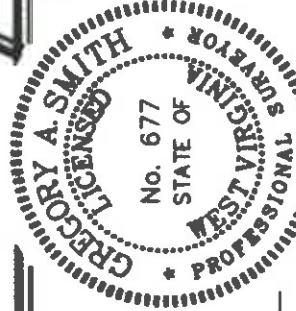
JERALDINE POWELL(LIFE)

REFERENCES



JIM C. HAMER CO.

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.



P.S. *Gregory A. Smith*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE DECEMBER 30, 19 97
 OPERATORS WELL NO. GSC ALUMNI FOUNDATION #2
 API WELL NO. 47-017 STATE 04Hale COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3857P2 (64-58)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1408' SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE : OIL GAS INJECTION DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 1185' WATERSHED TRIBUTARY OF FLINT RUN
 DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'
 SURFACE OWNER DORIS L. AND WARREN FLUHARTY ACREAGE 61.4 OF 150.55
 ROYALTY OWNER GLENVILLE STATE COLLEGE ALUMNI FOUNDATION, INC. LEASE ACREAGE 61.4
 PROPOSED WORK : LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5600'

WELL OPERATOR JACK PRODUCTION, INC. DESIGNATED AGENT RICHARD REDDECLIFF JAN 23 1998
 ADDRESS P.O. BOX 697 INDIANA, PA 15701 ADDRESS 85 WEST MAIN BUCKHANNON, WV 26201

6-6-99

FROM : NECI

RECEIVED
Office of Oil & Gas
UIC Section
JUL 26 1999
WV Division of
Environmental Protection

PHONE NO. : 4124440895

Jul. 07 1999 03:09PM P3

No 1135 P 3-Jan-98

API # 47- 17-04426

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

Reviewed AS

WV Division of
Environmental Protection

Well Operator's Report of Well Work

Form name: FLUHRARTY, DOBIS L.

Operator Well NO.1 GSC ALUMNI #2

LOCATION: Elevation: 1,185.00 Quadrangle: SMITZBURG

District: GRANT County: DODDRIDGE
Latitude: 14950 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 4450 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: JACK PRODUCTION, INC.
P. O. BOX 697
INDIANA, PA 15701-0697

Agent: RICHARD REDDECLIFF

Inspector: MIKE UNDERWOOD
Permit Issued: 01/22/98
Well work Commenced: 3/16/98
Verbal work Completed: 4/7/98
Verbal Plugging
Permission granted on: RIG
Rotary Cable 5587'
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.
8-5/8		1192	378
4-1/2		5582	971

OPEN FLOW DATA

Producing formation ELK Pay zone depth (ft) 5572-5528

Gas: Initial open flow N/A MCF/d Oil: Initial open flow Bbl/d

Final open flow N/A 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

Second producing formation BEAUNT AILEY Pay zone depth (ft) 4953-5184

Gas: Initial open flow N/A MCF/d Oil: Initial open flow Bbl/d

Final open flow N/A 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 WELLSBORE.

By: [Signature]
Date: 7-9-99
JACK PRODUCTION, INC.

0000 44210

AUG 09 1999

FROM : NECI

PHONE NO. : 4124440895

JUL. 07 1999 03:12PM P3

GSC # 2 (cont)

3 - BRANDAND
4 - BILB INJUN

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Office of Oil & Gas
UIC Section
JUL 26 1999
WV Division of
Environmental Protection

4696-4700
2158-2178

STIMULATION

	SAUD	WATER	N ₂
ELK	120 SX	135 BBL	289 MCF
BEVISON	356 SX	199 BBL	379 MCF
BRANDAND	201 SX	158 BBL	263 MCF
BILB INJUN	353 SX	278 BBL	70 MCF

COMMIN & LFD ADF 298 MCF/D 481 MCF/D
STWD - 440 OSIA

~~AT DENNY OIL FIELD WATER INJECTOR (SUB STATION)~~

Prices Job:

WATER
170 DENNY

0-148
140-170
170-420
420-610
610-1400
1400-1470
1470-1610
1610-1800
1800-1840
1840-2150
2150-2280
2280-5582

Slate
Sand
Cement
Slate
Sand
Slate
Sand
Slate
Sand
Slate
Sand
Slate
Sand
Slate
Sand
Slate

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

WELL WORK PERMIT

This permit, issued to JACK PRODUCTION, INC. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given to the Oil and Gas Inspector MIKE UNDERWOOD at 304-288-4604 prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: 

Title: 

Operator's Well No: GSC ALUMNI #2

Farm Name: FLUHARTY, DORIS L.

API Well Number : 47- 17-04426

Date Issued : 01/22/98

Expires two (2) years from issue date.

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

Well Operator: Jack Production, Inc. 24212 3 611

Operator's Well Number: GSC Alumni Foundation #2 3) Elevation: 1185'

Well Type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /

Proposed Target Formation(s): Alexander
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WV Division of Environmental Protection

Proposed Total Depth: 5600 feet

Approximate fresh water strata depths: 165' JAN 08 1998

Approximate salt water depths: N/A

Approximate coal seam depths: N/A Permitting
Office of Oil & Gas

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

Proposed Well Work: To Drill & Stimulate

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTING INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in Well	
Conductor	11 3/4"			30'	0'	0 Sacks
Fresh Water	8 5/8"			1285'	1285'	CTS or 38 CSR 18-11.3
Coal					1185'	3858/11.2
Intermediate						
Production	4 1/2"			5600'	5600'	CTS or 38 CSR 18-11.1
Tubing						
Liners						

PACKERS: Kind

Sizes

Depths set

For Division of Oil and Gas Use Only

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

(Type)

JAN 08 1998

1) Date: January 6, 1998

2) Operator's well number
GSC Alumni Foundation #2

3) API Well No: 47 - 017 - 4426
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: 5) (a) Coal Operator.

(a) Name Doris L. Fluharty Name N/A
Address Rt.2 Box 179 Address _____
West Union, WV 26456

(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name N/A
Address _____

(c) Name _____ Name _____
Address _____ Address _____

6) Inspector Mike Underwood (c) Coal Lessee with Declaration
Address Rt.2 Box 135 Name N/A
Salem, WV 26426 Address _____
Telephone (304)-288-4604

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
XX 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 7 on the above named parties, by:

- XX Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- XX 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 Jack Production, Inc.
By: Jerry A. Willett
Its: Manager of West Virginia Operations
Address P.O. Box 697
Indiana, PA 15701

Telephone (412) 349-6800

Subscribed and sworn before me this 6th day of January, 1998

Shirley A. Smith Notary Public
My commission expires 12-7-2002

