

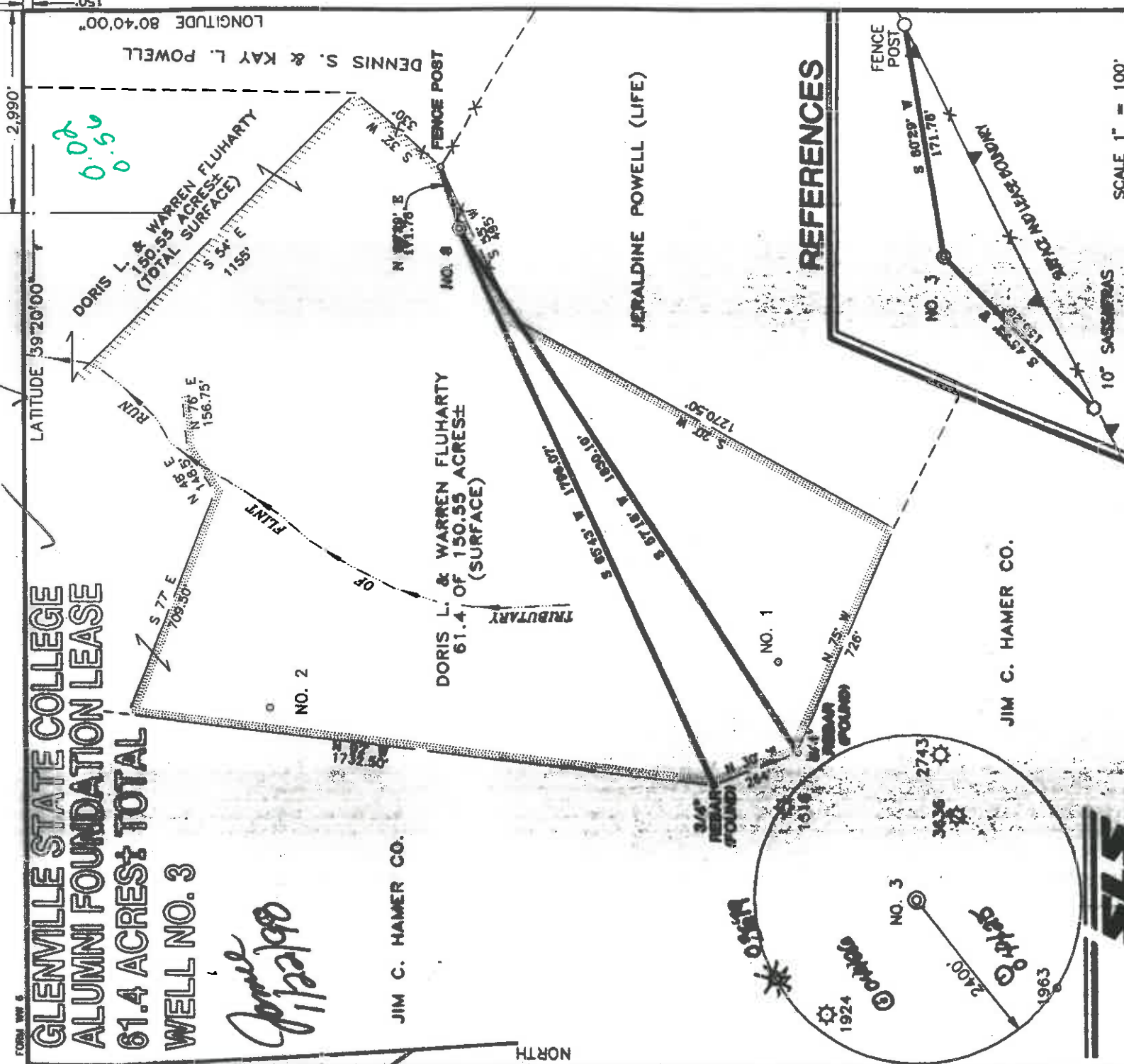
GLENVILLE STATE COLLEGE ALUMNI FOUNDATION LEASE 61.4 ACRES TOTAL WELL NO. 3

James Powell

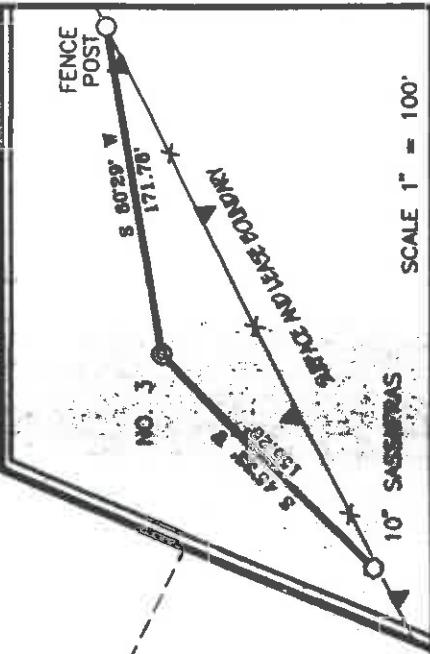
JIM C. HAMER CO.

JIM C. HAMER CO.

JERALDINE POWELL (LIFE)

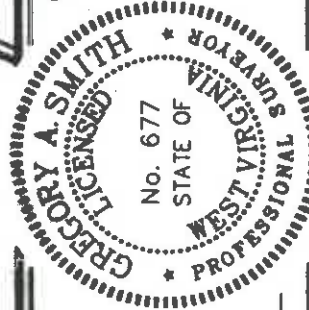


REFERENCES



SCALE 1" = 100'

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. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 30, 19 97
OPERATORS WELL NO. GSC ALUMNI FOUNDATION #3
API WELL NO. 47-017 04427 COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3857P3 (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 WASTE IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 1285' 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 LEASE NO. _____
 PROPOSED WORK :
 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 3 1996
ADDRESS P.O. BOX 697 INDIANA, PA 15701 ADDRESS 85 WEST MAIN BUCKHANNON, WV 26201

6-6-99

FPOM

PHONE NO. : 4124440895

Jul. 07 1999 03:09PM P4
No. 1136 P. 4-Jan-98
API # 47- 17-04427

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UIC Section

JUL 26 1999

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

Reviewed X

WV Division of
Environmental Protection

Well Operator's Report of Well Work

Farm name: FLEHARTY, DORIS L. Operator Well No.: GSC ALUMNI #3

LOCATION: Elevation: 1,285.00 Quadrangle: SMITHEURG
District: GRANT County: DODDRIDGE
Latitude: -150 Feet South of 39 Deg. 20Min. 0 Sec.
Longitude 2990 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: 3/30/98
Well work Completed: 4/21/98
Verbal Plugging
Permission granted on: RIG
Rotary Cable 5700'
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 Cu. Ft.
11-3/4		134	89
8-5/8		1809	590
4-1/2		5662	973

OPEN FLOW DATA

Producing formation ELIC
Gas: Initial open flow N/A MCF/d Oil: Initial open flow 5622-5630 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 henson pay zone depth (ft) 5279-5283
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 WELLBORE.

For: JACK PRODUCTION, INC.
By: Janet R. Alumn
Date: 7-9-99

DODD 4427

AUG 09 1999

FROM : NECI

PHONE NO. : 4124440895

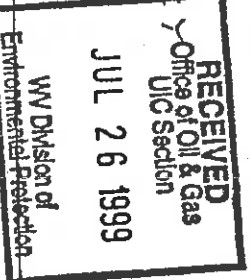
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6 SE 43 (cont)

3- BRANDNO / RILEY
4- B16 INJUN

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4794 - 5058
2258 - 2278



STIMULATION	SAND	WATER	N ₂
ELK	BREAKDOWN	BULKY	
KENSON	400 SX	204 BBL	387 MCF
BRANDNO / RILEY	200 SX	158 BBL	259 MCF
B16 INJUN	408 SX	301 BBL	

COMMINDED AOC - 1007 MCFAD
SUMP - 480 PSIB

~~DO NOT HAVE DECREASE FOR (SEE SIB TRACK)~~

Drillers Log

WATER

Chg. / Sld 0-220
Sand 220-270
Sld 270-500
Sand 500-716
Sld 716-792
Sand 792-1007
Sld 1007-1502
Sand 1502-1640
Sld 1640-1750
Sand 1750-1818
Sld 1818-1924
Queste 1924-2252
Sand 2252-2380
Sld 2380-5700

Damp - 200'

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: _____

James Stevens

Title: _____

Geo. Eng. Tech.

Operator's Well No: GSC ALUMNI #3

Farm Name: FLUHARTY, DORIS L.

API Well Number : 47- 17-04427

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

24768

Operator's Well Number: GSC Alumni Foundation #3 3) Elevation: 1285'

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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6) Proposed Total Depth: 5600 feet

7) Approximate fresh water strata depths: 265'

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: N/A

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

11) Proposed Well Work: To Drill & Stimulate

12) 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"			1385'	1385' /	CTS or 38 CSR 18-11.3
Coal					1205	385/18/11.2
Intermediate						
Production	4 1/2"			5600'	5600'	CTS or 38 CSR 18-11.1
Tubing						
Liners						

PACKERS: Kind
Sizes
Depths set

15150 / 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)

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Page 1 of 8
Form WW2-A
(6/94)
File Copy

1) Date: January 6, 1998
2) Operator's well number
GSC Alumni Foundation #3
3) API Well No: 47 - 017 - 4427 Permit
State County

JAN 11 1998

Permitting
Office of Oil & Gas

**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) Coal Owner(s) with Declaration
 Name N/A
 Address _____
 Name _____
 Address _____
- (c) Coal Lessee with Declaration
 Name N/A
 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 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 8 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 Jack Production, Inc.
By: Judy A. Willet
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

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

