

002
053

LONGITUDE 79° 06' 00"

200

SAMUEL, JOSEPH & JUDY
BUCHER
78.8 Ac.

DORIS J. SNYDER
(SURFACE & MINERALS)
83 3/10 ACRES

DORIS J. SNYDER
90 Ac.

RICHARD BLIZZARD
40 Ac.

JUANITO L. WOLFORD
65.6 Ac.

SAMUEL J. BUCHER
51.65 Ac.

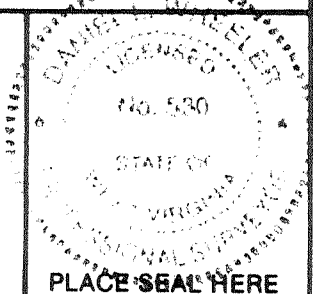
D. L. WHEELER & ASSOCIATES, INC.
J. F. ALLEN BUILDING, SUITE 200
600 DAVISSON RUN ROAD
CLARKSBURG, WEST VIRGINIA 26301
Tele. Ph.: 304-623-5851
Fax. No.: 304-623-6131

WELL REFERENCES

- LOC. TO 8" BLACK WALNUT S66°30'E 168'
- LOC. TO 11" ASH N58°54'E 219'
- (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION UE RD. INTERSECTION
 WV RT. 33, S.E. LOCATION. ELEV. 2514'

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
 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER



**STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION**



DATE MAY 25, 19 93
 OPERATOR'S WELL NO. D.J. SNYDER NO. 1
 API WELL NO. _____
47 - 083 - 1123
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2713' WATERSHED HORSECAMP RUN
 DISTRICT DRY FORK COUNTY RANDOLPH
 QUADRANGLE HARMAN 7.5' Horton EC
 SURFACE OWNER DORIS J. SNYDER ACREAGE 83 3/10
 OIL & GAS ROYALTY OWNER DORIS J. SNYDER, ET.AL LEASE ACREAGE 294
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 HELDEBERGH ESTIMATED DEPTH 8,000'
 WELL OPERATOR DOUGLAS OIL & GAS, INC. DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS 1201 S. BRADDOCK AVENUE ADDRESS 600 DAVISSON RUN RD. STE 200
PITTSBURGH, PA. 15218 CLARKSBURG, W.V. 26301

JUL 23 1993

COUNTY NAME PERMIT

083-1123
Issued 7/20/93

JUL 15 93

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

Expires 7/20/95

- 1) Well Operator: 5627 Douglas Oil & Gas, Inc. 14261 (2) 391
- 2) Operator's Well Number: D. J. Snyder No. 1 3) Elevation: 2713'
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep X/ Shallow /
- 5) Proposed Target Formation(s): Heldebergh
- 5) Proposed Total Depth: 8,000 feet
- 7) Approximate fresh water strata depths: 100'
- 8) Approximate salt water depths: -----
- 9) Approximate coal seam depths: No Coal
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill and stimulate.
- 12)

17612

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	16"			20'	20'	
Fresh Water <i>PS</i>	11 3/4"	H-40	42#	400'	400'	384 cu.ft.
Coal						
Intermediate <i>PS</i>	8 5/8"	J-55	24#	1850'	1850'	Cmt. to surface 295 cu.ft.
Production	4 1/2"	M-75	11.5#	8000'	8000'	Cmt. to 300' above top pay
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

#012400
13

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond *Smith Latham* Agent

RECORDED
JUN 15 1993
Permitting
Office of Oil & Gas

- 1) Date: June 24, 1993
- 2) Operator's well number
D. J. Snyder No. 1
- 3) API Well No: 47 - 083 - 1123
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 Doris J. & Benny J. Snyder
Address Box 38
Bowden, WV 26254
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Phillip Tracy
Address Rt. 2, Box 37A
Montrose, WV 26283
Telephone (304)-636-8798

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Doris J. Snyder
Address Box 38
Bowden, WV 26254
Name _____
Address _____
 - (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
 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 8 on the above named parties, by:

- X 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 Douglas Oil & Gas, Inc.
By: [Signature] Daniel L. Wheeler
Its: Designated Agent
Address %J.F. Allen Bldg., Suite 200
600 Davisson Run Road, Clarksburg, WV 26301
Telephone 304-623-5851

Subscribed and sworn before me this 24th day of June, 1993

Mary Ellen Lydon
My commission expires _____
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
[Signature] Notary Public
400 24th Avenue



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

July 20, 1993

Division of Environmental Protection
Office of Oil and Gas
#10 McJunkin Road
Nitro, West Virginia

RE: Application for Permit #47-083-01123 to drill deep well.

COMPANY: Douglas Oil and Gas, Inc.

FARM: Doris Snyder - D. J. Snyder #1

COUNTY: Randolph DISTRICT: Dry Fork QUAD: Harman

The application of the above company is Approved for Helderberg.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; yes
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of the operator and; none
- 3.) Provided a plat showing that the proposed location is a distance of 400 feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Brett Loflin (cc)
Brett Loflin
Petroleum Engineer



RECEIVED
WV Division of
Environmental Protection

NOV 09 1994

Permitting
Office of Oil & Gas

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date August 17, 1994
Operator's
Well No. D.J. Snyder Unit #1
Farm Doris J. Snyder
API No. 47 - 83 - 01123

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 ___ / Shallow ___ /)

LOCATION: Elevation: 2713' G.L. Watershed Horse Camp Run
District: Dry Fork County Randolph Quadrangle Harman 7.5

COMPANY Douglas Oil & Gas, Inc.

ADDRESS 1201 S. Braddock Ave. Pittsburgh, PA 15218

DESIGNATED AGENT Daniel Wheeler

ADDRESS 600 Davisson Run Rd. Suite 200 Clarksburg

SURFACE OWNER Doris J. & Benny J. Snyder WV 26301

ADDRESS Box 38 Bowden, WV 26254

MINERAL RIGHTS OWNER as above

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy
Rt. 2, Box 37A

ADDRESS Montrose, WV 26283

PERMIT ISSUED 7/20/93

DRILLING COMMENCED 11/10/93

DRILLING COMPLETED 12/01/93

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 <u>20-16" Cond.</u>		20'	_____
<u>11 3/4" x 3-10"</u>	410'	392'	210 sks
<u>9 5/8</u>			
<u>8 5/8</u>	2835'	2805'	540 sks
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	7997'	7964'	250 sks
<u>3</u>			
<u>2 3/8"</u>		7644'	_____
Liners used			

GEOLOGICAL TARGET FORMATION Helderberg Depth 8000 feet

Depth of completed well 7995 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 63', 500' feet; Salt _____ feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 7662-7676 feet

Gas: Initial open flow 2,500 Mcf/d Oil: Initial open flow 0 Bbl/d

Estimated Final open flow 2,500 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 2875 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

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

5/19/94 Perforate Oriskany 7664' - 7676' 48 shots

5/19/94 Acidize Oriskany Breakdown Pressure 3738#, Pumped 4000 gallons of
20% FE acid and Mod 202 ISIP 3274#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
<u>From Drillers Log & Samples</u>					
Sand & Shale			0	286'	
Sand			286'	303'	
Sand & Shale			303'	1740'	
Sand			1740'	1820'	
Shale			1820'	1960'	
Sand & Shale			1960'	2300'	
Sand			2300'	2410'	
Sand & Shale			2410'	2740'	
Sand			2740'	2950'	
Sand & Shale			2950'	3850'	
Sand			3850'	3880'	
Sand & Shale			3880'	4400'	
Sand			4400'	4460'	
Sand & Shale			4460'	7026'	
<u>From CDL Log</u>					
Tully			7026'	7052'	
Shale			7052'	7298'	
Marcellus			7298'	7438'	
Onondaga			7438'	7479'	
Chert			7479'	7525'	
Need more Shale			7525'	7550'	
Oriskany			7550'	7808'	
Helderberg			7808'	TD'	
DID	7995'				
LID	7997'				

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WV Division of
Environmental Protection

NOV 09 1994

Permitting
Office of Oil & Gas

(Attach separate sheets as necessary)

Douglas Oil & Gas, Inc.

Well Operator

By: Michael Slabon

Date: August 18, 1994

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."

2172