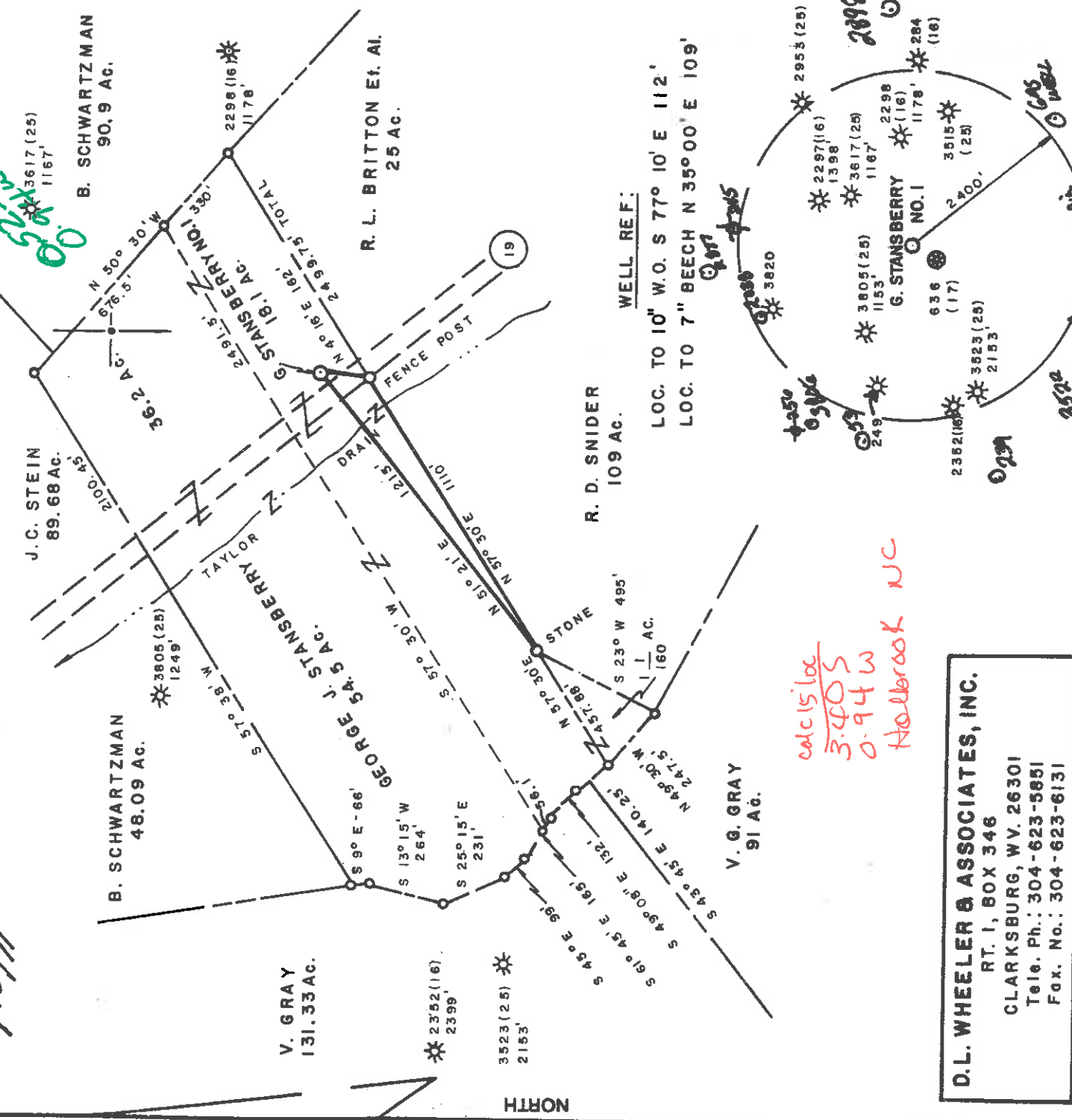


Spencer
2/15/91

LATITUDE 39° 12' 30"
LONGITUDE 80° 50' 00"

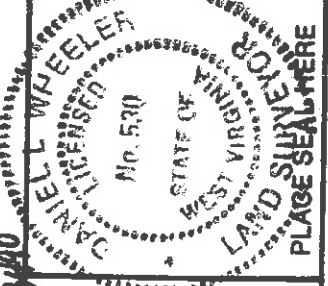


D.L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV. 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

(+) 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 WELL API # 3523
 ELEV. 1036'

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 FEBRUARY 6 19 91
 OPERATOR'S WELL NO. G. STANSBERRY NO. 1
 API WELL NO. 47-017-3877

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 936' WATERSHED TAYLOR DRAIN
 DISTRICT SOUTHWEST 1 COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5'
 SURFACE OWNER GEORGE J. & LILLIAN JUNE STANSBERRY ACREAGE 54.51
 OIL & GAS ROYALTY OWNER GEORGE J. STANSBERRY, ET AL. LEASE ACREAGE 54.51

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 ALEXANDER ESTIMATED DEPTH 5350
 WELL OPERATOR FLUHARTY ENTERPRISES, INC. DESIGNATED AGENT THOMAS J. FLUHARTY (133)
 ADDRESS P.O. BOX 226 976 ADDRESS P.O. BOX 226 SALEM, WV 26426

COUNTY NAME

PERMIT

Well Operator's Report of Well Work

Farm name: STANSBERRY, GEORGE ETUX. Operator Well No.: STANSBERRY #1
LOCATION: Elevation: 936.00 Quadrangle: OXFORD

District: SOUTHWEST
Latitude: 2710 Feet South of 39 Deg. DODDRIDGE
Longitude 5000 Feet West of 80 Deg. 12Min. 30 Sec.

Company: FLUHARTY, THOMAS J. OR RE
P. O. BOX 187
SALEM, WV 26426-0000

Agent: THOMAS J. FLUHARTY

Inspector: MIKE UNDERWOOD
Permit Issued: 02/15/91
Well work Commenced: 3/16/91
Verbal Plugging Completed: 3/22/91

Permit granted on: _____
Rotary XX Cable Rig
Total Depth (feet) 5224'

Fresh water depths (ft) 100'; 850'
Salt water depths (ft) none

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None Reported

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127'	127	CTS
8 5/8	1330'	1330'	310 sks
4 1/2	5120'	5120'	415 sks

Producing formation Alexander, Benson, Ben StrayPay zone depth (ft) 4982-4996'
combined Gas: Initial open flow 80 MCF/d Oil: Initial open flow show 4635-4700'
Final open flow 1,400 MCF/d Final open flow show 4635-4700'
Time of open flow between initial and final tests 2 Bbl/d
Static rock pressure 1,950 psig (surface pressure) after 72 Hours

Second producing formation Riley
Gas: Initial open flow 80 MCF/d Oil: Pay zone depth (ft) 4065-4309'
Final open flow 1,400 MCF/d Initial open flow show 4065-4309'
Time of open flow between initial and final tests 2 Bbl/d
Static rock pressure 1,950 psig (surface pressure) after 72 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: FLUHARTY, THOMAS J. OR REVA I. /

By: *Thomas J. Fluharty*

Date: April 30, 1991

APR 10 1991

Well Fractured 3/27/91 by Halliburton Services
 Alexander Perforated 15-.39 holes 4982-4996' 472 Bb1 H2O, 500 gal. 15% HCL, 10,000# 80/100, 56,786# 20/40
 Benson Perforated 10-.39 holes 4635-4700' 435 Bb1 H2O, 504 gal. 15% HCL, 10,000# 80/100, 42,176# 20/40
 Ben... Stray Perforated 12-.39 holes 4065-4309' 435 Bb1 H2O, 500 gal. 15% HCL, 10,000# 80/100, 41,038# 20/40
 Riley Perforated 12-.39 holes 4065-4309'

Formation	Well Log:		Remarks
	Top	Bottom	
Red Rock	0	15	
Sand & Shale	15	25	
Sand	25	51	1/2" stream of fresh water @ 100'
Sand & Shale & Red Rock	51	136	
Sand	136	175	
Sand & Shale	175	235	
Shale	235	350	
Sandy Shale	350	425	1/2" stream of fresh water @ 850'
Shale & Red Rock	425	1105	
Sand & Shale	1105	1260	
Sand	1260	1384	
Sand & Shale	1384	1764	
Sand	1764	1832	
Sand & Shale	1832	1850	
Big Lime	1850	1905	
Sand & Shale	1905	4065	
Big Injun	4065	4070	
Sand & Shale	4070	4200	
Riley	4200	4210	
Shale	4210	4306	
Riley	4306	4309	
Shale	4309	4635	
Riley	4635	4639	
Shale	4639	4698	
Sand	4698	4703	
Shale	4703	4956	
Sand	4956	5040	
TD		5224	

11886

011-20
Issued 2/15/91
Expires 2/15/93
Page 1 of 5

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

1) Well Operator: Fluharty Enterprises, Inc.
2) Operator's Well Number: 17480 (17)
3) Elevation: 936'

4) Well type: (a) Oil or Gas (b) If Gas: Production Deep Undergrnd Storage Shallow

5) Proposed Target Formation(s): Riley, Benson & Alexander

6) Proposed Total Depth: 5,100' feet

7) Approximate fresh water strata depths: 960' 210-95'

8) Approximate salt water depths: None 1136'

9) Approximate coal seam depths: 96'-101': 220'-225'

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

11) Proposed Well Work: Drill and stimulate new well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"					
Fresh Water	11 3/4"			40'		
Coal	8 5/8"		42#	120'	120'	3859A-11.3
Intermediate			23#	1300'	1300'	CTS 11.3
Production	4 1/2"					CTS
Tubing			10 1/2#	5075'	5075'	3859A-11.3
Liners						400 sks 3859A-11.3

PACKERS : Kind _____ Sizes _____ Depths set _____

Fee(s) paid: _____
Plat WW-9 WW-2B Bond W.C. Blanket (Type) _____ Agent
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Reclamation Fund
WPCP
FEB 1 1991

9.2.11

REC

FEB 13 1991

1) Date: February 11, 1991
2) Operator's well number: G. Stansberry #1 Well - 3877
3) API Well No: 47 - 017 - Permit
State - County -

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

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 _____

4) Surface Owner(s) to be served:
(a) Name George & Lillian Stansberry
Address Rt. 1, Box 107A
West Union, WV 26456

(b) Name _____
Address _____

(c) Name _____
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

XX 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 on the above named parties, by:

I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ 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, including the well operator _____
_____ President
_____ Fluharty Enterprises, Inc.

By: _____
Its: _____
Address _____
P. O. Box 226
Salem, WV 26426

Telephone _____
Subscribed and sworn before me this _____ day of February, 1991
Notary Public

My commission expires April 13, 1995

