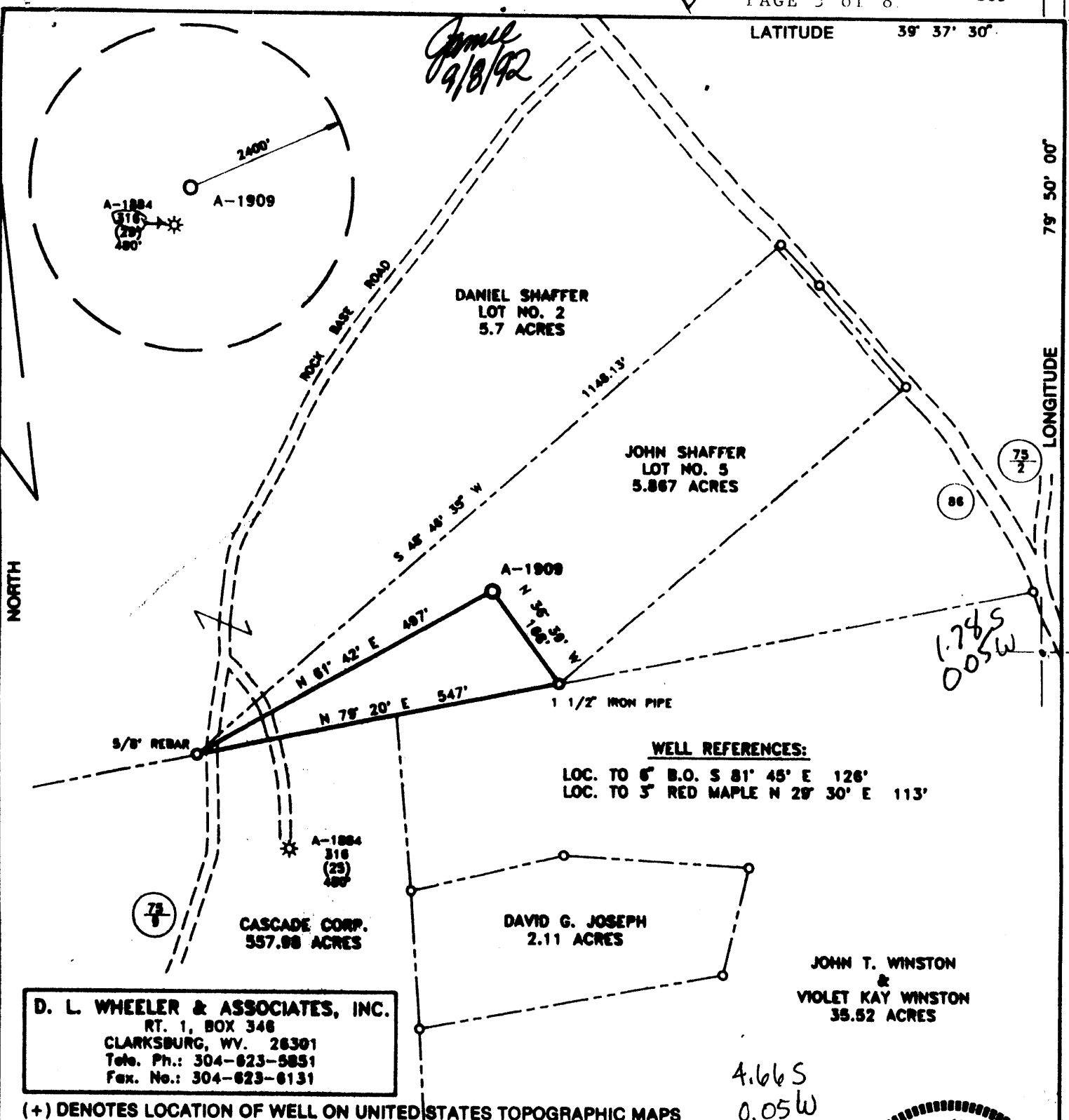


LATITUDE 39° 37' 30"

LONGITUDE 00 05 52



Amel 9/8/92

*1.765
0.05W*

WELL REFERENCES:

LOC. TO 6" B.O. S 81° 45' E 126'
LOC. TO 3" RED MAPLE N 28° 30' E 113'

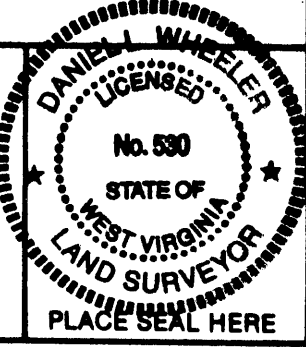
D. L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 348
 CLARKSBURG, WV. 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

JOHN T. WINSTON & VIOLET KAY WINSTON 35.52 ACRES

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL API NO.
 316 ELEV. 2124'

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 JULY 8, 19 92
 OPERATOR'S WELL NO. A-1909
 API WELL NO. 47-061-1082
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSA' ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 2193' WATERSHED DRY RUN OF DECKERS CREEK
 DISTRICT MORGAN COUNTY MONONGALIA
 QUADRANGLE MASONTOWN 7.5' Morgantown C
 SURFACE OWNER JOHN SHAFER ACREAGE 5.867 AC.
 OIL & GAS ROYALTY OWNER GREER STEEL CO., ET. AL LEASE ACREAGE 320 AC.
 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 SPEECHLY/BALLTOWN ESTIMATED DEPTH 3400'
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTI PERRY
 ADDRESS P.O. BOX 1740 OLD ADDRESS P.O. BOX 1740
 CLARKSBURG, WV. 26301 667 South Burns Chapel (313) CLARKSBURG, WV. 26301

SEP 11 1992

H.T. HALL 48673 FORM WW-6

COUNTY NAME PERMIT

OCT 16 92
WV Division of Environmental Protection

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

Well Operator's Report of Well Work

Farm name: SHAFFER, JOHN G. ETAL. Operator Well No.: GREER A-1909

LOCATION: Elevation: 2193.00 Quadrangle: MASONTOWN

District: MORGAN County: MONONGALIA
Latitude: 9375 Feet South of 39 Deg. 37Min. 30 Sec.
Longitude 300 Feet West of 79 Deg. 50 Min. 0 Sec.

Company: ALAMCO, INC.
200 W. MAIN ST., P.O. BOX 1740
CLARKSBURG, WV 26302-1740

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	40'	-	-
8-5/8"	796'	796'	To Surface
4-1/2"	3010'	3010'	To 2180' KB
2-3/8"	2850'	2850'	-

Agent: MARTY L. PERRI

Inspector: RANDAL MICK
Permit Issued: 09/08/92
Well work Commenced: 09/11/92
Well work Completed: 10/06/92

Verbal Plugging
Permission granted on: -
Rotary X Cable Rig
Total Depth (feet) 3043' KB
Fresh water depths (ft) 38'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 175' - 179'

OPEN FLOW DATA: No Test

Producing formation Speechley & Balltown Pay zone depth (ft) 2607' KB - 2882' KB
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 680 psig (surface pressure) after 72 Hours

Second producing-formation ce Pay zone depth (ft) ce
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.

Reviewed TMG
Recorded _____

For: ALAMCO, INC. [Signature]
By: [Signature]
Date: 10-12-92

FORMATION DEPTHS:

<u>Top</u>	<u>Bottom</u>	<u>Rock Type</u>
0	80	Sand & Shale
80	175	Sand
175	179	Coal & Black Shale
179	330	Sand & Shale
330	360	Red Rock & Shale
360	540	Sand & Shale
540	559	Little Lime
559	577	Sand & Shale
577	685	Big Lime
685	800	Sand & Shale
800	890	Big Injun
890	920	Sand & Shale
920	989	Weir
989	1115	50-Ft. Sand
1115	1676	Sand & Shale
1676	1704	Sand
1704	1920	Sand & Shale
1920	1996	Shale
1996	2014	Sand
2014	2092	Shale
2092	2150	Sand & Shale
2150	2551	Shale
2551	2577	1st Speechley
2577	2603	Shale
2603	2637	2nd Speechley
2637	2681	Sand & Shale
2681	2697	3rd Speechley
2697	2738	Shale
2738	2745	1st Balltown
2745	2866	Sand & Shale
2866	2884	2nd Balltown
2884	3043	Sand & Shale

1/2" H₂O @ 38'

Gas Check @ 635' N/S
 Gas Check @ 667' N/S
 Gas Check @ 948' N/S
 Gas Check @ 1748' N/S
 Gas Check @ 1870' N/S
 Gas Check @ 1995' N/S
 Gas Check @ 2489' N/S
 Gas Check @ 2729' Slight Blow
 Gas Check @ 2797' N/S
 Gas Check @ 2960' Smell Gas
 Gas Check @ TD N/S

Perforation Intervals:

2607' KB-2625' KB - 7 Holes
 2651' KB 1 Hole
 2683' KB-2693' KB - 6 Holes
 2738' KB-2744' KB - 4 Holes
 2868' KB-2882' KB - 8 Holes

Well A-1909 was fractured on
 on 09/28/92 with 20,000 lbs. of
 20/40 sand in Speechley sands
 and 20,000 lbs. of 20/40 sand
 in Balltown Sands.

13997

47 061-1082

Issued 9/8/92
Expires 9/8/94

FORM WW-2B

JUL 22

Page 3 of 8

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

- 1) Well Operator: ALAMCO, INC. 975 (1) 461
- 2) Operator's Well Number A-1909 (GREER STEEL) 3) Elevation: 2193'
- 4) Well type: (a) OIL / or GAS XX /
(b) If Gas: Production XX / Underground Storage /
Deep / Shallow XX /
- 5) Proposed Target Formation(s): Speechley/Balldown 4
- 6) Proposed Total Depth: 3400 feet
- 7) Approximate fresh water strata depths: 85'
- 8) Approximate salt water depths: -0-
- 9) Approximate coal seam depths: -0-
- 10) Does land contain coal seams tributary to active mine? Yes / No XX
- 11) Proposed Well Work: SEE ATTACHED
- 12) CASING AND TUBING PROGRAM *Drill & Stimulate New Well*

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (Cu. Ft.)
Conductor	11-3/4"	LS		40'	0'	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	23#	1,000'	1,000' <i>AS</i>	As required by 38 CSR 18-11.1
Production	4-1/2"	J-55	10.50#	3,000'	3,000'	As required by 38 CSR 18-11.1
Tubing						
Liners						

PACKERS: Kind NONE
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 TYPE Agent

13741
28

JUL 22

- 1) Date: July 17, 1992
- 2) Operator's well number A-1909 (Greer Steel)
- 3) API Well No: 47 - 061 - 1082
State - County - Permit

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

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>John G. Shaffer (Drill Site)</u>
Address <u>P. O. Box 129</u>
<u>Donaldson, AR 71941</u></p> <p>(b) Name <u>Daniel & Betty Shaffer (RD. Approach)</u>
Address <u>Rt. 1, Box 88</u>
<u>Masontown, WV</u></p> <p>(c) Name <u>Cascade Corp. (ROAD APPROACH)</u>
Address <u>P. O. Box 1</u> <u>Rt. 1, Box 78</u>
<u>Cascade, WV</u> <u>Masontown, WV 26526</u></p> | <p>5) (a) Coal Operator:
Name <u>N/A</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Cascade Corporation</u>
Address <u>P. O. Box 1</u>
<u>Cascade, WV 26526</u></p> <p>(c) Coal Lessee with Declaration
Name <u>N/A</u>
Address _____</p> |
| <p>6) Inspector <u>Randal Mick</u>
Address <u>Route 3, Box 248</u>
<u>Weston, WV 26452</u>
Telephone <u>(304)-269-2335</u></p> | |

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 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:

 Personal Service (Affidavit attached)
XX 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 ALAMCO, INC.
By: Marty Perri
Its: Marty L. Perri, Manager, Land Dept.
Address 200 West Main Street
Clarksburg, West Virginia 26301
Telephone 304 623-6671

Subscribed and sworn before me this 20th day of July, 1992
Elsie M. Cox
My commission expires February 21, 1999

COMMISSIONER
~~Notary Public~~