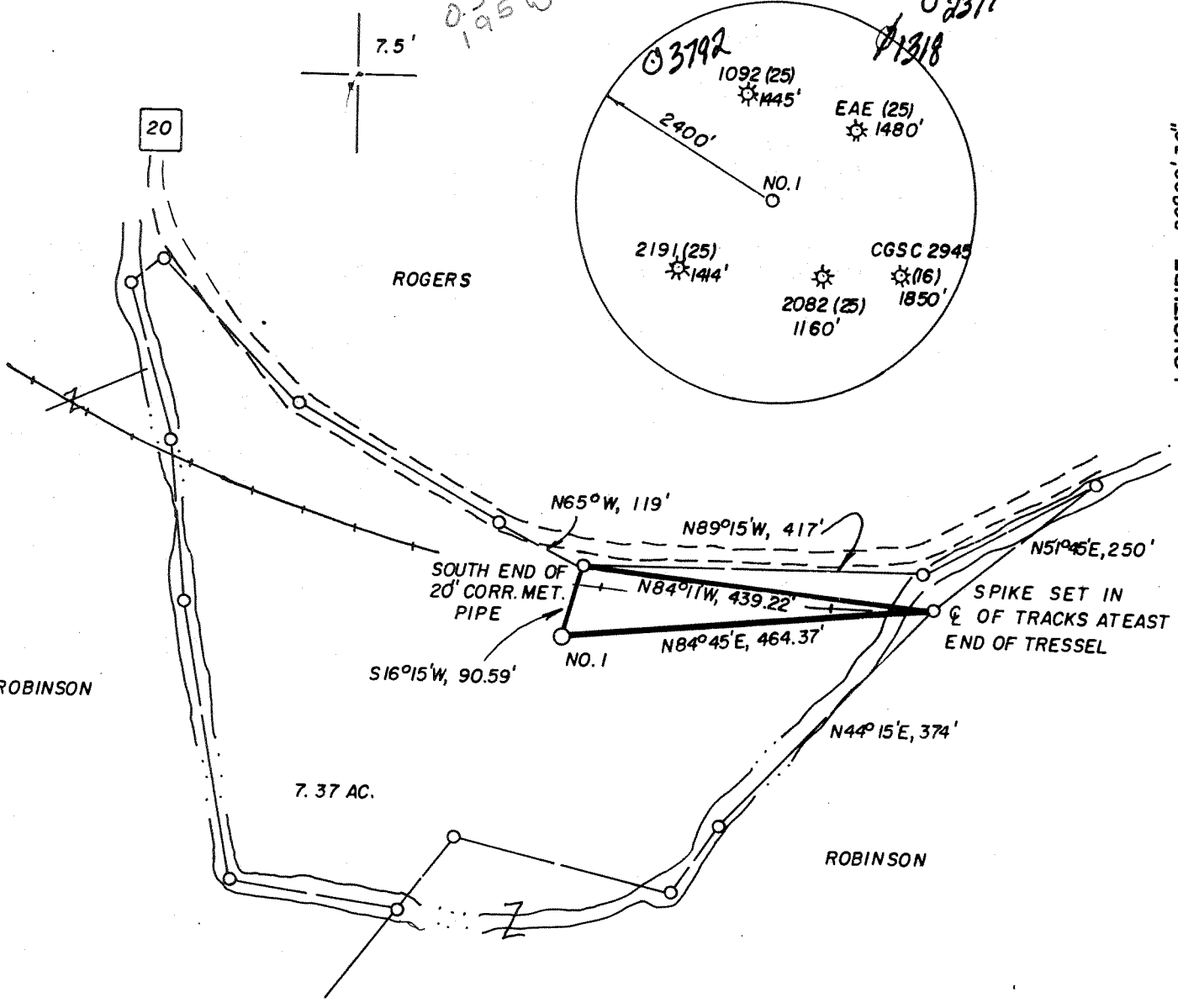


Janie
5/16/91

0.54 S
1.95 W

02977

02371



LONGITUDE 80°22'30"

2900'

WELL REFERENCES:

N62°W, 117' TO 18" SYCAMORE
S22°30'W, 151' TO 8" LOCUST

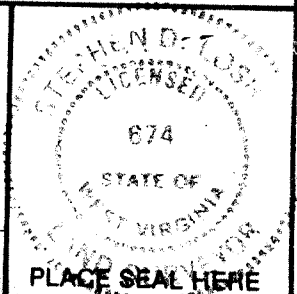
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

3.42 S
4.18 W

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

FILE NO. JME, ILS 900
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION ROAD INT. 2000' SW. OF LOC. AT ELEV. 1075'

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) _____



R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MARCH 28, 19 91
 OPERATOR'S WELL NO. J.L. ROBINSON 1
 API WELL NO. B38

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 964' WATERSHED LITTLE TENMILE CREEK

DISTRICT EAGLE 4 COUNTY HARRISON
 QUADRANGLE WOLF SUMMIT 7.5

SURFACE OWNER JAMES L. ROBINSON JR. & JAMES L. ROBINSON EXCAVATING, INC. ACREAGE 7.37
 OIL & GAS ROYALTY OWNER JAMES L. ROBINSON, JR. LEASE ACREAGE 46.93

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 BENSON ESTIMATED DEPTH 4800'

WELL OPERATOR BOWIE INCORPORATED DESIGNATED AGENT WILLIAM BOWIE
 ADDRESS 604 EAST MAIN ST. ADDRESS 604 EAST MAIN ST.
CLARKSBURG, WV 26301 CLARKSBURG WV 26301

MAY 24 1991

COUNTY NAME
PERMIT

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Filed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: ROBINSON, JAMES L. JR. Operator Well No.: ROBINSON #1

LOCATION: Elevation: 964.00 Quadrangle: WOLF SUMMIT

District: EAGLE County: HARRISON
Latitude: 2900 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 10425 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: BOWIE, INC.
604 EAST MAIN STREET
CLARKSBURG, WV 26301-0000

Agent: WILLIAM H. BOWIE

Inspector: STEVE CASEY
Permit Issued: 05/20/91
Well work Commenced: June 21, 1991
Well work Completed: June 27, 1991
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____
46, 700
Salt water depths (ft) _____
N/A
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 339-42, 627-30, 966-68

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	30'	-	-
8 5/8"	1066'	1066	290 SKS
4 1/2"	4430	4430	420 SKS

OPEN FLOW DATA

Producing formation Benson, Bradfords, Riley Pay zone depth (ft) 4198-4334
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1391 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1200 psig (surface pressure) after 48 Hours

Second producing formation Balltown, Speechley Pay zone depth (ft) 2680-3171
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1391 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1200 psig (surface pressure) after 48 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: W. Bowie
BOWIE, INC.

By: W. Bowie
Date: July 31, 1991

STAGE I RILEY, BENSON

(4198-4334) 12 holes, 750 gal 15% HCL, 30,000# sand, 335 BBL Gelled H₂O

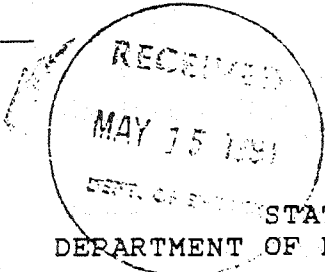
STAGE II BALLTOWN

(3111-3171) 15 holes, 500 gal 15% HCL, 30,000# sand, 335 BBL Gelled H₂O

STAGE III Speechley, Elizabeth

(2680 - 2935) 13 holes, 500 gal 15% HCL, 30,000# sand, 302 BBL Gelled H₂O

Shale & F. 11	0 - 46	1/4" H ₂ O @ 46'
Sand & Shale	46 - 102	
Shale & Sand	102 - 339	oil show @ 277'
- Coal -	339 - 342	
Sand & Shale	342 - 627	
- Coal -	627 - 630	
Shale & Sand	630 - 694	
Sand	694 - 785	2" H ₂ O @ 700'
Sand & Shale	785 - 966	
- Coal -	966 - 968	
Sand & Shale	968 - 1197	
Big Lime	1197 - 1316	GAS SHOW
Shale	1316 - 1898	
50' Sand	1898 - 1921	GAS SHOW
Sand & Shale	1921 - 2529	
Oil Sand	2529 - 2561	
Shale	2561 - 4310	
Benson	4310 - 4326	GAS SHOW
Shale	4326 - 4376 4476	DTD



- 1) Date: April 24, 1991
- 2) Operator's well number Robinson #1 B38
- 3) API Well No: 47 -033 - 3821
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 James L. Robinson, Jr.
Address RE-1, Box 522
Clarksburg, WV 26301
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name none
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name none
Address _____
 - Name below elevation of Pittsburgh
Address coal
no other mineable seams
 - (c) Coal Lessee with Declaration
 - Name _____
Address _____
- 6) Inspector Steve Casey
Address Rt. 2, Box 232 D
Jane Lew, WV 26378
Telephone (304)- 745-4888

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 ___ 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 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

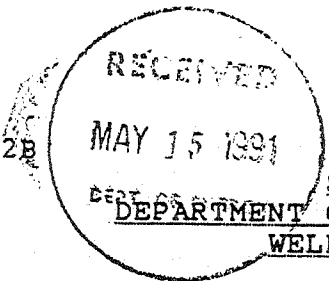
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Bowie, Inc.
 By: [Signature]
 Its: President
 Address 604 East Main Street
Clarksburg, WV 26301-3122
 Telephone 304-622-8896

Subscribed and sworn before me this 24th day of April, 1991

[Signature] Notary Public
 My commission expires 09/21/98



FORM WW-2B

033-3821
Issued 5/20/91

Page of
Expires 5/20/93

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

- 1) Well Operator: Bowie, Inc. 6610 (4) 691
- 2) Operator's Well Number: Robinson #1 - B-38 3) Elevation: 964
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 4650 feet
- 7) Approximate fresh water strata depths: 702; 736
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: 459; 578
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: New well
- 12) Well Stimulation

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	new	42#	40		
Fresh Water						
Coal						
Intermediate	8 5/8	new	20#	1050	1050	38CSR1811.1 3
Production	4 1/2	new	10.5	4650	4650	38CSR1811.1 cts
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

2142
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50,000 Agent
 (Type)