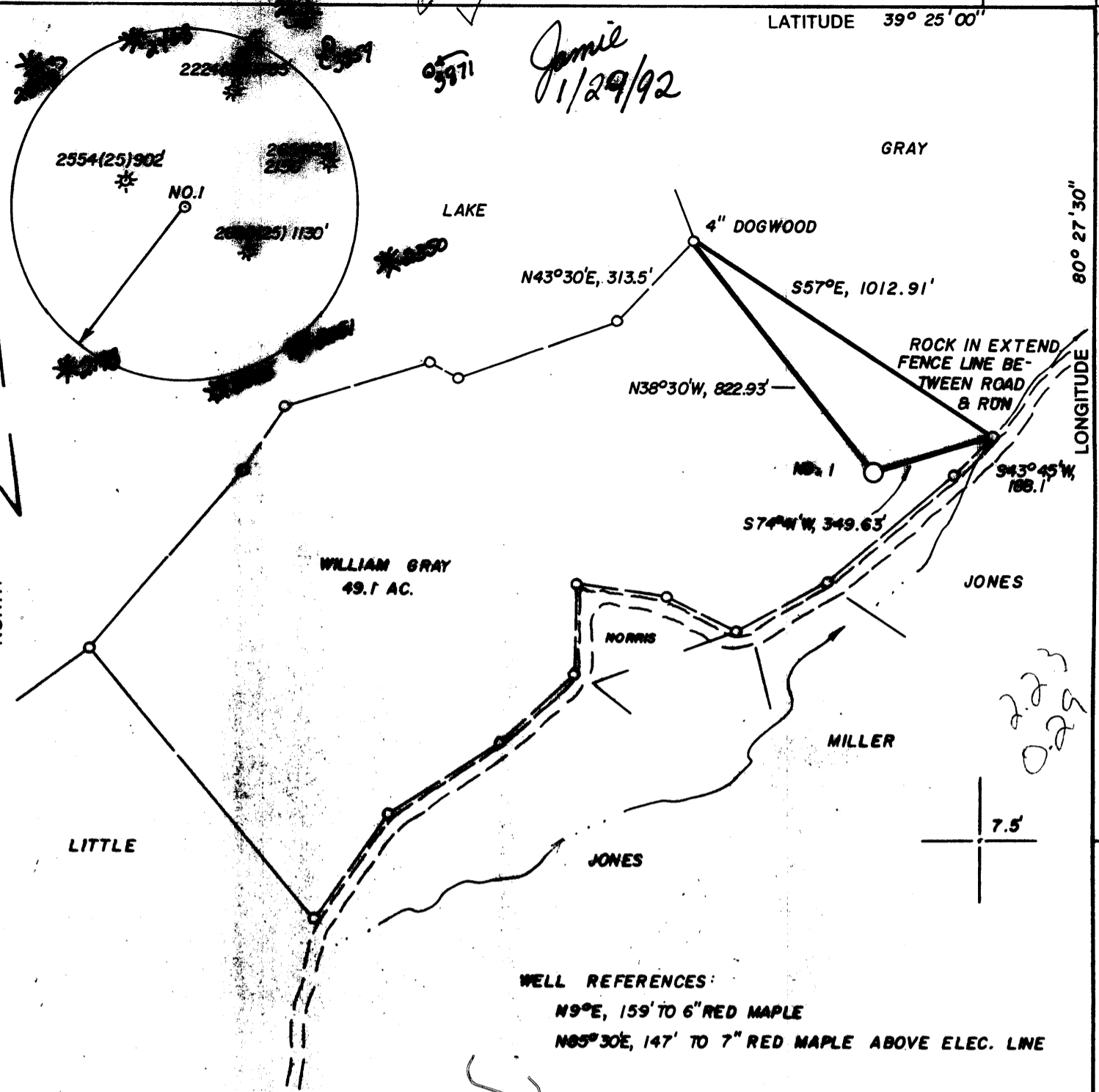


LATITUDE 39° 25' 00"

1600'

Janie
1/29/92



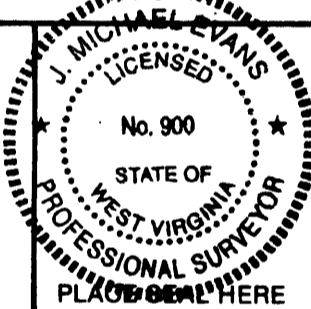
WELL REFERENCES:
 N9°E, 159' TO 6" RED MAPLE
 N85°30'E, 147' TO 7" RED MAPLE ABOVE ELEC. LINE

LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2818

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. 1250' NE. OF LOC AT ELEV. 999'

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) J. Michael Evans
 R.P.E. _____ L.L.S. NO. 900



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE DECEMBER 5, 19 91
 OPERATOR'S WELL NO. OWENS 1
 API WELL NO. B-56

47 - 033 - 038737
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1088' WATERSHED MILL RUN
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WALLACE 7.5'

SURFACE OWNER WILLIAM GRAY, ET. UX ACREAGE 49.10
 OIL & GAS ROYALTY OWNER NORMA WEBB OWENS, ET. AL LEASE ACREAGE 49.10

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
Set temp plug frac filter to complete well down

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BENSON ESTIMATED DEPTH 4600' 5096'

WELL OPERATOR BOWIE, INC. DESIGNATED AGENT WILLIAM BOWIE
 ADDRESS P. O. BOX 1430 ADDRESS P. O. BOX 1430
CLARKSBURG, WV 26302-1430 CLARKSBURG, WV 26302-1430

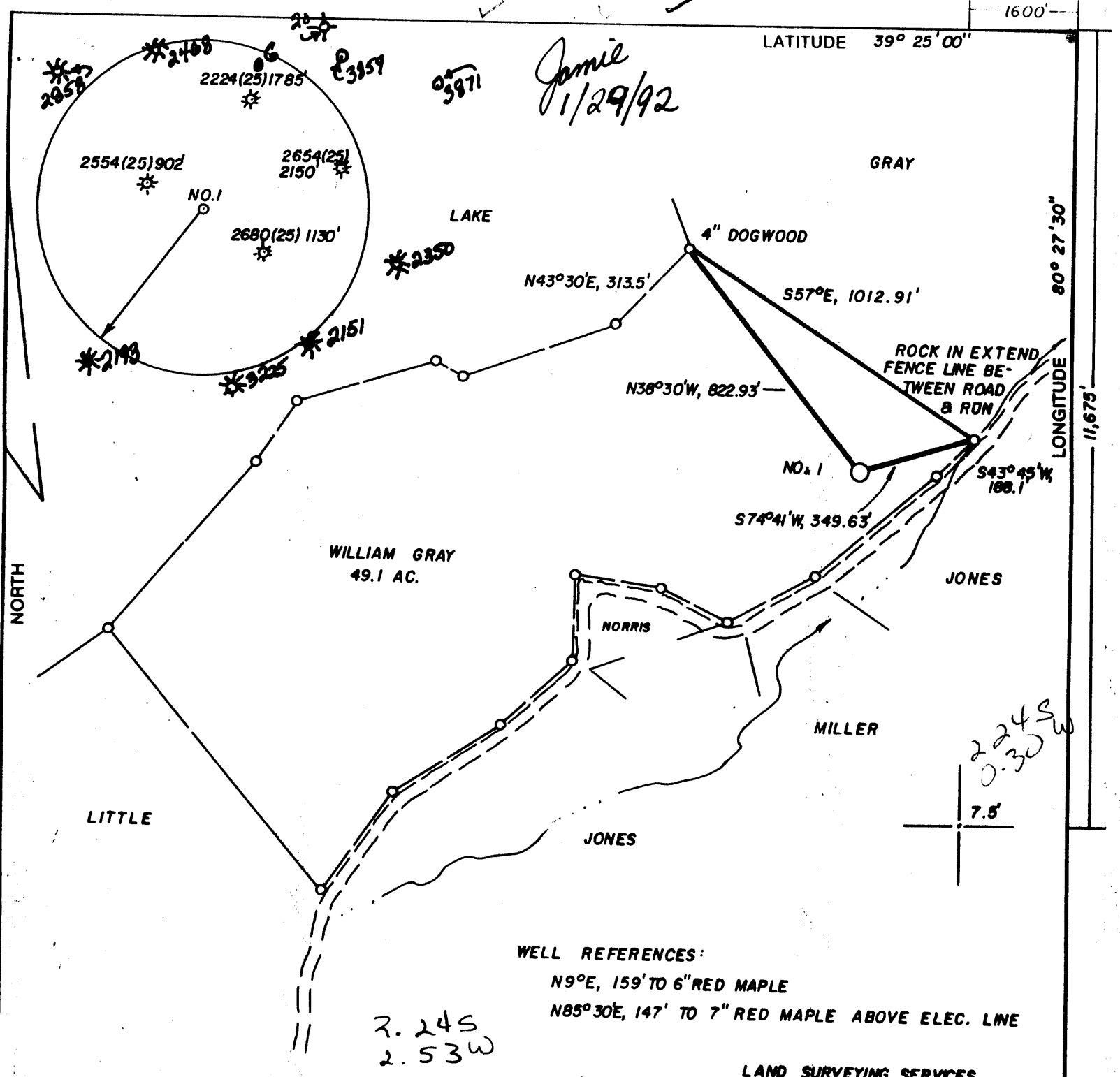
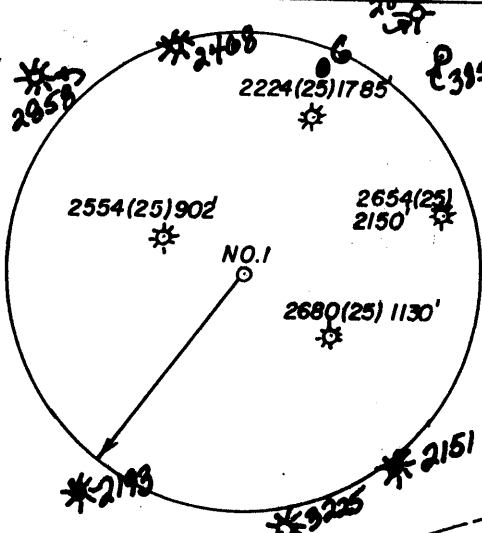
COUNTY NAME HARR
 PERMIT 3873

MAY 11 1996

MAY 15 1996

FORM WW-6

Jamie
11/29/92



WELL REFERENCES:

N9°E, 159' TO 6" RED MAPLE

N85°30'E, 147' TO 7" RED MAPLE ABOVE ELEC. LINE

2.245
2.53W

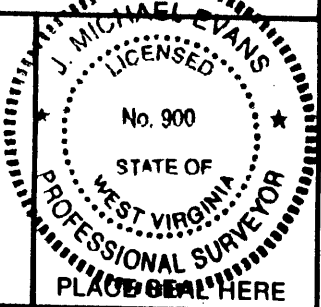
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2016

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. 1250' NE. OF LOC.
AT ELEV. 999'

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) J. Michael Evans
 R.P.E. _____ L.L.S. NO. 900



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE DECEMBER 5, 19 91
 OPERATOR'S WELL NO. OWENS 1
 API WELL NO. B-56

47 - 033 - 3873
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1088' WATERSHED MILL RUN
 DISTRICT SARDIS 7 COUNTY HARRISON

QUADRANGLE WALLACE 7.5' Clarksburg WC
 SURFACE OWNER WILLIAM GRAY, ET. UX ACREAGE 49.10
 OIL & GAS ROYALTY OWNER NORMA WEBB OWENS, ET. AL. LEASE ACREAGE 49.10

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 4600'

WELL OPERATOR BOWIE, INC. 1017 DESIGNATED AGENT WILLIAM BOWIE
 ADDRESS P.O. BOX 1430 ADDRESS P.O. BOX 1430
CLARKSBURG, WV 26302-1430 CLARKSBURG, WV 26302-1430

6-6 Brown Lumbermet (109)

COUNTY NAME
PERMIT

WR-35

API #: 47-033-03873F

RECEIVED
WV Division of
Environmental Protection

JUL 03 1996

Permitting
Office of Oil & Gas

**State of West Virginia
Division of Environmental
Protection**

Well Operator's Report of Well Work

Farm Name: OWENS N

Operator Well Number: 1

B-56F

Elevation: 1088

Quadrangle: WALLACE

District: SARDIS

County: HARRISON

Latitude: 11675 Feet South of

39 Deg. 25 Min. 0.00 Sec.

Longitude: 1600 Feet West of

80 Deg. 27 Min. 30.00 Sec.

Company: BOWIE, INC.
PO DRAWER 1430
CLARKSBURG, WV 26302-1430

Agent: WILLIAM H BOWIE

Inspector: TIM BENNETT

Permit Issued: 5/1/96

Well Work Commenced: 6/28/96

Well Work Completed: 6/28/96

Verbal Plugging

Permission granted on:

Rotary Cable: Rig

Total Depth (feet): 5000

Fresh Water Depths (ft): NA

Salt Water Depths (ft): NA

Is Coal Being Mined in the Area? (Y/N) No

Coal Depths (ft) NA

Casing and Tubing	Used in Drilling	Left in Well	Cement Fill Up in SKS
NO			
TUBING			
ADDED			

OPEN FLOW DATA

Producing formation FIFTY FOOT, GORDON Pay zone depth (ft) 2544-2707

Gas: Initial open flow: 0 MCF/day Oil: Initial open flow: 0 BBL/day

Final open flow: 140 MCF/day Final open flow: SHOW BBL/day

Time of open flow between initial and final tests: 8 Hours

Static Rock Pressur 300 psig (surface pressure) after 24 Hours

Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow: _____ MCF/day Oil: Initial open flow: _____ BBL/day

Final open flow: _____ MCF/day Final open flow: _____ BBL/day

Time of open flow between initial and final tests: _____ Hours

Static Rock Pressur _____ 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 WELBORE.

For: BOWIE, INC.

By: Cleve Bowie

Date: 7/2/96

JUL 11 1996

API: 47-033-03873F

BOWIE #: 56F

OWENS N 1

Stage 1 Frac: (2544-2707) 20 Holes, 310 scf N2, 750 gal 15% HCl, 260 sbs sand

Stage 2 Frac:

Stage 3 Frac:

Stage 4 Frac:

Stage 5 Frac:

FORMATION	COMMENT
FORMATION 1: Same	Set Plug at 2810 and knocked out after frac.
FORMATION 2:	
FORMATION 3:	
FORMATION 4:	
FORMATION 5:	
FORMATION 6:	
FORMATION 7:	
FORMATION 8:	
FORMATION 9:	
FORMATION 10:	
FORMATION 11:	
FORMATION 12:	
FORMATION 13:	
FORMATION 14:	
FORMATION 15:	
FORMATION 16:	
FORMATION 17:	
FORMATION 18:	
FORMATION 19:	
FORMATION 20:	

APR 06 92

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

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

Reviewed TMG Recorded

Farm name: GRAY, WILLIAM

Operator Well NO.: OWENS 1 B-56

LOCATION: Elevation: 1088.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 11675 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 1600 Feet West of 80 Deg. 27 Min. 30 Sec.

Company: BOWIE, INC. P.O. DRAWER 1430 CLARFSBURG, WV 26302-1430

Agent: WILLIAM H. BOWIE

Inspector: TIM BENNETT
Permit Issued: 01/30/92
Well work Commenced: 02/20/92
Well work Completed: 02/27/92
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5099
Fresh water depths (ft) 120, 630
Salt water depths (ft) N/A
Is coal being mined in area (Y/N) NO
Coal Depths (ft): 160-163, 289-92, 574-80, 1061-1066

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include 11 3/4", 8 5/8", 4 1/2" sizes.

OPEN FLOW DATA

Producing formation Benson, Balltown, Speechley Pay zone depth (ft) 3290-4940
Gas: Initial open flow Show MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1113 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1300 psig (surface pressure) after 24 Hours
Second producing formation Pay zone depth (ft)
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.

For: BOWIE, INC.

By: [Signature]
Date: 4/2/92

I Benson - (4971-4939) 15 holes, 500 Gal 15% HCL, 400sks Sand, 440 BBL H2O

II Balltown - (3795-3824) 14 Holes, 500 Gal 15% HCL, 400 sks sand, 400 BBL H₂O

III Speechley - (3290-3522) 15 Holes, 500 gal 15% HCL, 250sks Sand, 260 BBL H₂O

Fill	0 - 5	
Sand & Shale	5 - 160	1/2" H ₂ O @ 120'
Coal & Shale	160 - 163	
Sand	163 - 208	
Shale	208 - 289	
Coal & Shale	289 - 292	
Sand & Shale	292 - 574	
Coal	574 - 580	
Sand & Shale	580 - 1061	1" H ₂ O @ 630'
Coal	1061 - 1066	
Sand	1066 - 1165	
Sand & Shale	1165 - 1852	
Big Lime	1852 - 1930	
Injun	1930 - 1990	
Shale	1990 - 2462	
50' Sand	2462 - 2550	Gas Show
Sand & Shale	2550 - 2800	
Shale	2800 - 3500	
Speechley	3500 - 3520	Gas Show
Shale	3520 - 3800	
Balltown	3800 - 3830	Gas Show
Shale	3830 - 4780	
Riley	4780 - 4790	
Shale	4790 - 4918	
Benson	4918 - 4940	Gas Show
Shale	4940 - 5096	DTD

8/13/1

JAN 29 1991

DEPT. OF ENERGY

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

033-3873
Issued 1/30/92

Page 1 of 1
Expires 1/30/94

- 1) Well Operator: BOWIE INC 6610 (7) 654
- 2) Operator's Well Number: OWENS #1 B56 3) Elevation: 1098
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): BENSON
- 6) Proposed Total Depth: 4600 feet
- 7) Approximate fresh water strata depths: 46 - 700 OK
- 8) Approximate salt water depths: N/A OK
- 9) Approximate coal seam depths: 339-42 627-30 966-68
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work:
- 12) New Well DRILL + STIMULATE
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	none?	CTS
Fresh Water						
Coal						38CSR. 18-11.2.2 35CSR. 18-11.3
Intermediate	8 7/8	new	20 #		1150	CTS
Production	4 1/2	new	10.5 #		4550 ←	500545 38CSR 18-11.1
Tubing						
Liners						

13178

PACKERS : Kind
 Sizes
 Depths set

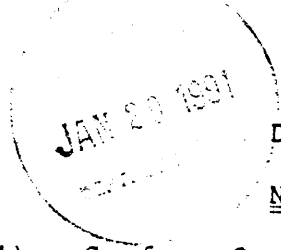
For Division of Oil and Gas Use Only

2404

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

Plat: WW-9 WW-2B Bond CD Blanket Agent
(Type)

1) Date: 6 DEC 1991
2) Operator's well number
OWENS # 1 B 56
3) API Well No: 47 - 033 - 3873
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 William Gray
Address Rt # 1 Box 365A
Wallace, WV. 26448
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name None
Address _____
- (b) Coal Owner(s) with Declaration
Name No declaration on record
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Tim Bennett
Address 737 Carl St.
Weston, WV 26452
Telephone (304)-269 6167

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 P.O. Box 1430
Clarksburg, WV. 26302-1430
Telephone 304 622 8896

Subscribed and sworn before me this 31st day of December, 1991

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

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

Issued 05/01/96 Expiry 05/01/98

- 1) Well Operator: BOWIE INC 6610 (7)
- 2) Operator's Well Number: OWENS #1 B56
- 3) Elevation: 1088
- 1) Well type: (a) Oil ___ / or Gas X **(F)**
- (b) If Gas: Production X Underground Storage ___
Deep ___ / Shallow X
- Proposed Target Formation(s): BEASON, Bulltown, Spangly
- Proposed Total Depth: 4600 feet 5096
- Approximate fresh water strata depths: 46 - 700 OK
- Approximate salt water depths: N/A OK
- Approximate coal seam depths: 339-42 627-30 966-68
- Does land contain coal seams tributary to active mine? Yes ___ / No X
- Proposed Well Work: Set Temp-Plug Free fifty ft.
- 12) New well DRILL & STIMULATE
CASING AND TUBING PROGRAM Remove Plug Coningle

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	new	42#	40	none?	CTS
Fresh Water						
Coal						
Intermediate	8 7/8	new	20#		1150	CTS
Production	4 1/2	new	10.5#		4550	38CSR 18-11-1
Tubing						
Liners						

Handwritten notes: 1253' CTS, 500SKS, Existing from Well Record

PACKERS : Kind _____ Sizes _____ Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: 107 Well Work Permit 107 Reclamation Fund 107 WPCP 107

Plat 107 WW-9 107 WW-2B 107 Bond CD Blanket Agent 107

(Type)

107 Fee of fifty ft.

1) Date: 1 APR 1996
2) Operator's well number
Owens # 1
3) API Well No: 47 - 033 - 3873-FRAC
State County Permit

**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:
(a) Name William Gray
Address Rt #1, Box 365A
Wallace, WV 26448
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name No declaration on record
Address _____
Name _____
Address _____

6) Inspector Tim Bennett
Address 737 Karl St.
Weston, WV 26452
Telephone (304) - 269-6167

(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

_____ 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 _____ 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 Bowie, Inc.
By: Drew C Bowie
Its: Landman
Address P.O. Box 1430
Clarksburg, WV 26302-1430
Telephone 1-304-622-8896

Subscribed and sworn before me this 15 day of April, 1996

Sean Lunsford Notary Public
My commission expires 12.10.2002

*16. 601301
13
7 655*