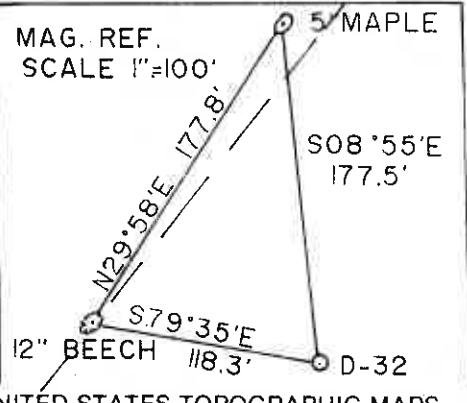
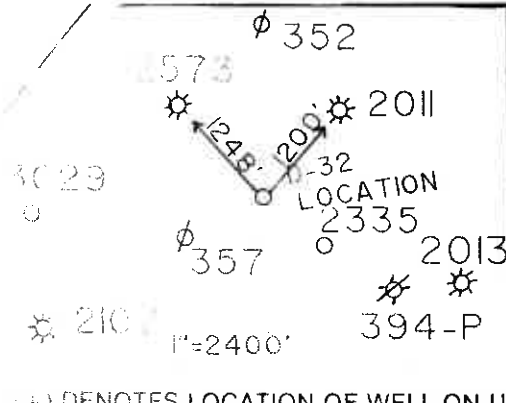
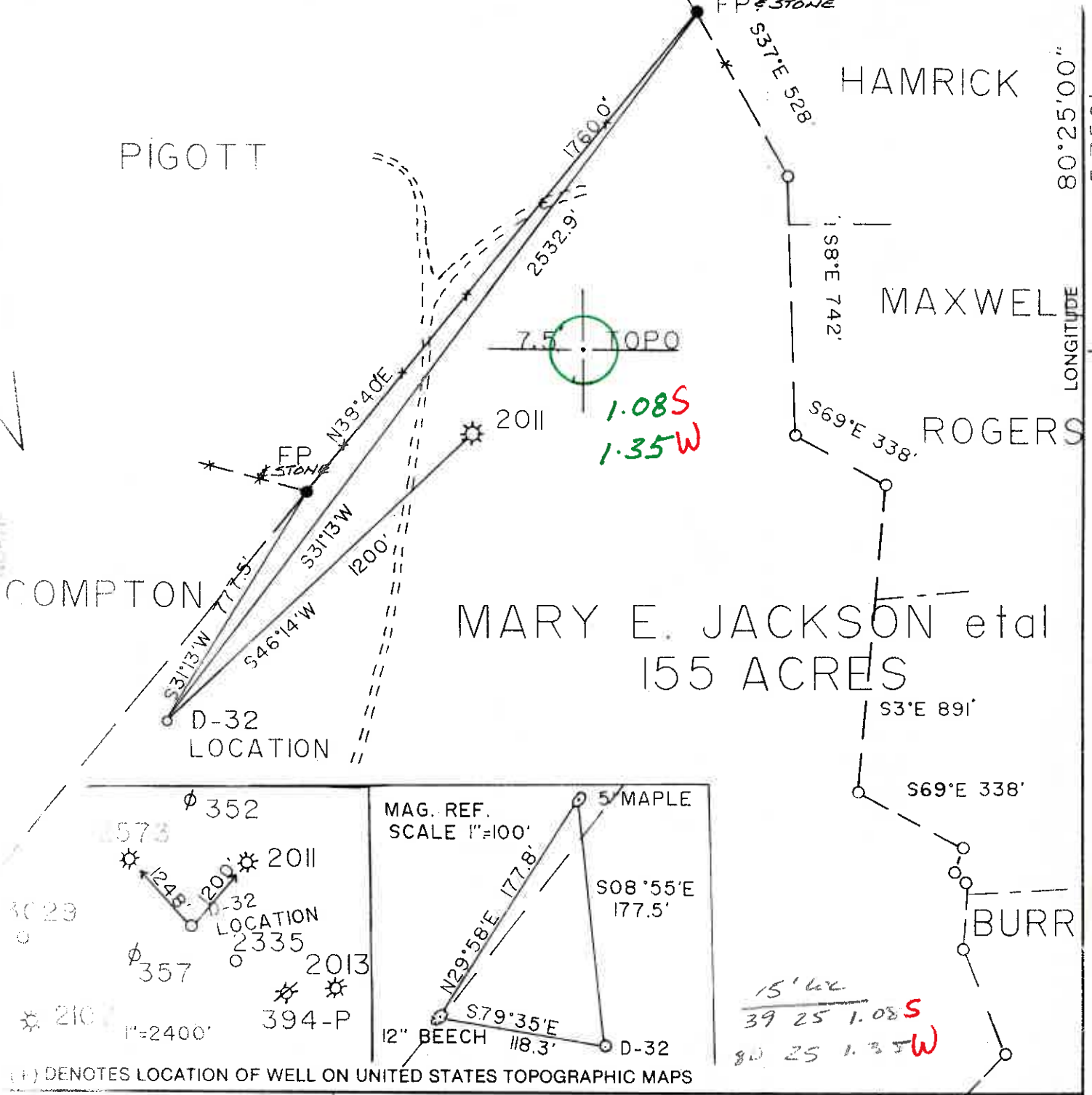


Jan 3/2/90


7.150' LATITUDE 39°25'00"



15' W
 39 25 1.08 S
 80 25 1.35 W

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

FILE NO. _____	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) <u>Edward J. Astor</u> R.P.E. _____ L.L.S. 555 <u>BUCKHANNON, WV</u>	PLACE SEAL HERE
DRAWING NO. <u>90:3</u>		
SCALE <u>1" = 400'</u>		
MINIMUM DEGREE OF ACCURACY <u>1-200</u>		
PROVEN SOURCE OF ELEVATION <u>RD. INT. EL-997'</u>		

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION			DATE <u>FEBRUARY 16</u> , 19 <u>90</u>
			OPERATOR'S WELL NO. <u>JACKSON D-32</u>
			API WELL NO. <u>47 033 3701</u>
WELL TYPE: OIL ___ GAS <u>X</u> LIQUID INJECTION ___ WASTE DISPOSAL ___		STATE	COUNTY
(IF "GAS,") PRODUCTION <u>X</u> STORAGE ___ DEEP ___ SHALLOW <u>X</u>			PERMIT
LOCATION: ELEVATION <u>1260</u> WATERSHED <u>CALDWELL RUN</u>			
DISTRICT <u>SARDIS</u> COUNTY <u>HARRISON</u>			
QUADRANGLE <u>WALLACE</u> <u>027 WC</u>			
SURFACE OWNER <u>MARY E. JACKSON et al</u> ACREAGE <u>155 ±</u>			
OIL & GAS ROYALTY OWNER <u>SAME</u> LEASE ACREAGE <u>155 ±</u>			
LEASE NO. _____			
PROPOSED WORK: DRILL <u>X</u> 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 <u>INJUN</u> ESTIMATED DEPTH <u>2400'</u>			
WELL OPERATOR <u>SHELDON & ASSOCIATES, INC.</u> DESIGNATED AGENT <u>DAVID J. SHELDON</u>			
ADDRESS <u>1400 JOHNSON AVE. SUITE-E</u> ADDRESS <u>SAME</u>			
<u>BRIDGEPORT, WV 26330</u>			

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

Well Operator's Report of Well Work

Farm name: JACKSON, MARY E. ETAL. Operator Well No.: JACKSON D-32

LOCATION: Elevation: 1260.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 5750 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 7150 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: SHELDON & ASSOCIATES, INC
1400 JOHNSON AVE; SUITE E
BRIDGEPORT, WV 26330-0000

Agent: DAVID J. SHELDON

Inspector: STEVE CASEY
Permit Issued: 03/05/90
Well work Commenced: 03/09/90
Well work Completed: 03/13/90
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 2275
Fresh water depths (ft) 106; 118

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 38, 113, 483

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	1423	1423	280 sks
4 1/2	2135.40	2135.40	219 sks


OPEN FLOW DATA

Producing formation Injun, Keener Pay zone depth (ft) Keener - 1866-1882
Gas: Initial open flow 115 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 300 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 100 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

MAY 11 1990

For: 
SHELDON AND ASSOCIATES, INC.
By: David J. Sheldon, its president
Date: 06/27/90 05/03/90

1st zone - Big Injun

perf. 1920-1928 - 17 holes

Fraced using - 140 bbls water, 35,000 # sand, 1,000 gals acid, 280,000 scf N2

2nd zone - Keener

perf. 1878-1894 - 20 holes

Fraced using - 155 bbls water, 55,00# sand, 1,500 gals acid , 304,000 scf N2

W E L L L O G

FORMATION	COLOR	DENSITY	TOP FEET	BOTTOM FEET	REMARKS
Shale	Gray	Soft	0	20	wet @ 106 app 1/4" stream
Sand	Gray	Hard	20	38	water @ 118 1" stream
Coal & Shale	Black	Soft	38	42	
Sand & Shale	Gray	Med	42	57	
Sand	Gray	Hard	57	74	
Sand	White	Hard	74	114	
Coal	Black	Soft	114	118	
Sand & Shale	Gray	Med	118	120	
Sand	White	Hard	120	168	
Shale	Gray	Soft	168	170	
Sand	Gray	Hard	170	197	
Sand & Shale	Gray	Med	197	248	
Sand & Lime	Gray	Hard	248	283	
Sand & Shale	Gray	Med	283	296	
Sand & Lime	Gray	Hard	296	372	
Sand & Shale	Gray	Med	372	388	
Shale	Gray	Soft	388	415	
Sd & Sh	Gray	Med	415	453	
Lime	Gray	Hard	453	465	
Sd & Sh	Gray	Med	464	483	
Coal & Shale	Black	Soft	483	489	
Sand	Gray	Hard	489	509	
Shale	Gray	Med	509	525	
Sd & Sh	Gray	Med	525	660	
RR & Sd & Sh	Red	Med	660	770	
Sd & Sh	Gray	Med	770	805	
RR & Sh	Red	Soft	805	860	1 855 gas N/S
Sd & Sh	Gray	Med	860	909	gas at 2071 10/10 - H ₂ O
RR & Sh	Rd/Gray	Soft	909	940	
Sd & Sh	Gray	Med	940	1349	gas at 2275 4/10 - 2 H ₂ O
Sand	Gray	Hard	1349	1354	
Sd & Sh	Gray	Med	1354	1369	gas at Dc9 4/10 - 2" H ₂ O
Sand	Gray	Hard	1369	1466	
Sd & Sh	Gray	Med	1466	1476	
Sand	Lt Brown	Hard	1476	1493	
Sd & Sh	Gray	Med	1493	1539	
Sand	White	Hard	1539	1567	
Sd & Sh	Gray	Med	1567	1715	
Sand	White	Hard	1715	1824	
Lime	Gray	Hard	1824	1869	
Shale	Gray	Med	1869	1894	
Lime	Gray	Hard	1894	1913	
Sd & Sh & Lime	Gray	Med	1913	1920	
Lime	Gray	Hard	1920	1941	
RR & Sh	Red	Soft	1941	1950	
Lime	Gray	Soft	1950	1997	
	Gray	Med	1997	2010	

RECEIVED
 Division of Energy
 MAY 07 90
 Permitting
 Oil and Gas Section

T.D.

033 3701
 Issued 3/5/90
 Expires 3/5/92
 Page 3 of 8

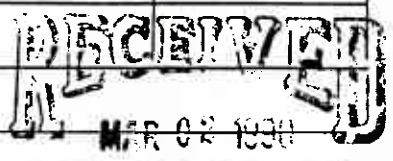
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: 1045 Sheldon & Associates, Inc. 44670 (T) 654
- 2) Operator's Well Number: Jackson D-32 3) Elevation: 1260
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Injun 371
- 6) Proposed Total Depth: 2,400 feet
- 7) Approximate fresh water strata depths: 70, 200, 309', 234', 154'
- 8) Approximate salt water depths: 1529', 1598'
- 9) Approximate coal seam depths: 470-491', 300, 567, 503'-510', 581'-584', 524'-527'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drilling Fracturing New Well
- 12)

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			30	0	
Fresh Water						
Coal						
Intermediate	8 5/8		23 lb.	1360'	1360'	As required by 38CSR 18-11.2.2 CTS 18-11.3
Production	4 1/2		10.5 lb.	2350	2350	As required by 38CSR 18-11.1
Tubing			<u>3 1/2</u>			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____



For Division of Oil and Gas Use Only

DIVISION OF OIL AND GAS
 DEPARTMENT OF ENERGY

2469
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Agent
 (Type)

RECEIVED
MAR 02 1990
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: February 27, 1990
2) Operator's well number
Jackson D-32
3) API Well No: 47 - 033 - 3701
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 Mary E. Jackson etal
Address 85 Cherokee Street
Pine Hurst, NC 28374
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Steven 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 8 on the above named parties, by:

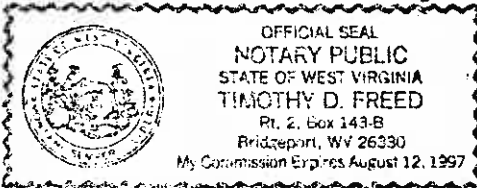
- X Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached) ;

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 _____
By: David J. Sheldon President
Its: President
Address 1400 Johnson Avenue
Bridgeport, WV 26330
Telephone (304) 842-4733



Subscribed and sworn before me this 27th day of February, 1990

Timothy D. Freed
My commission expires _____
Timothy D. Freed Notary Public
August 12, 1997