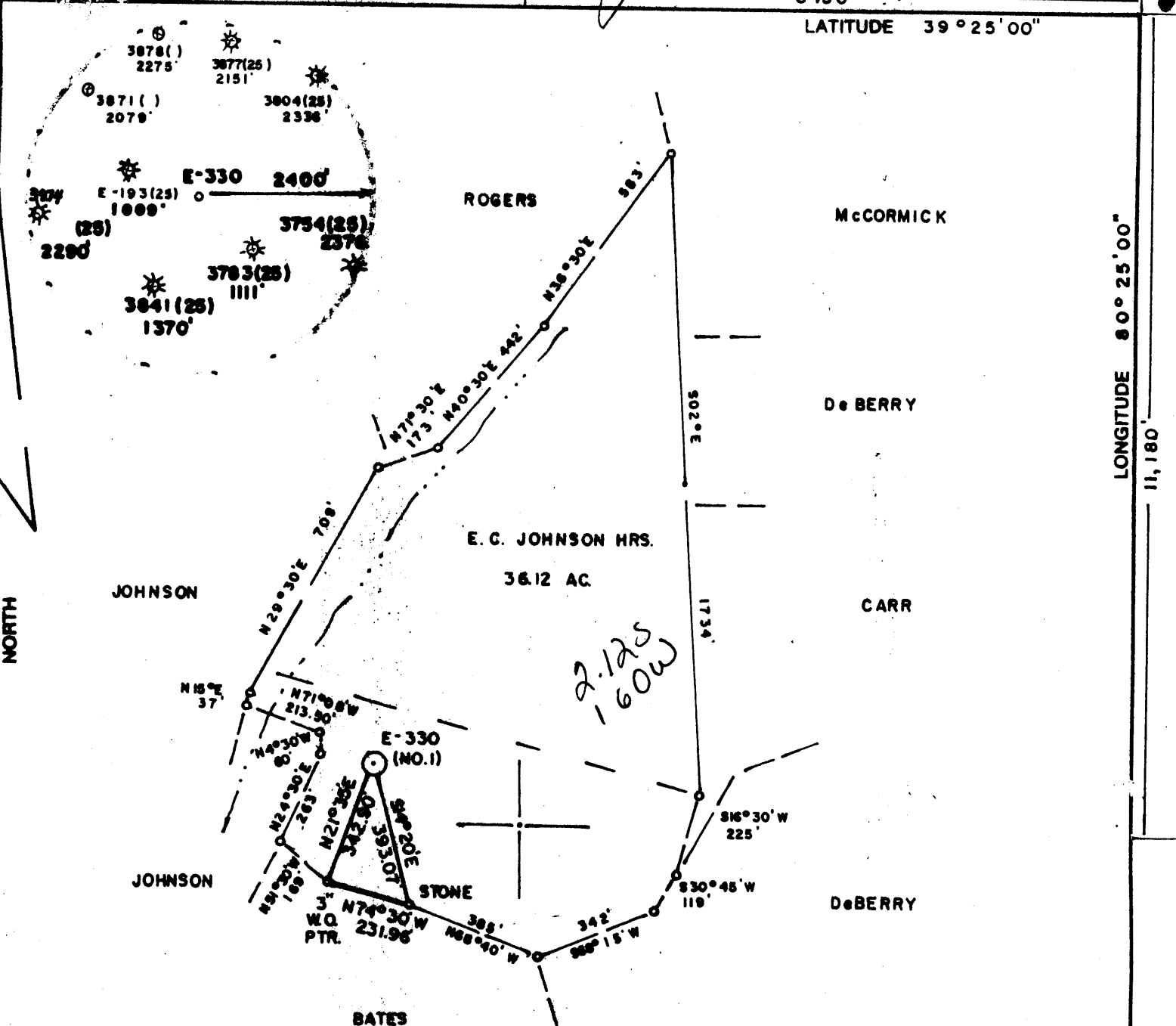


8450' LATITUDE 39° 25' 00"



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

WELL REFERENCES:
S74°E, 110' TO 4" HICKORY
NORTH, 110' TO 12" POPLAR

(+) 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 RD. INTER. 2300 S.W. OF LOCATION ELEV. 997'

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. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 21, 1994
OPERATOR'S WELL NO. E-330
API WELL NO. JOHNSON NO. 1
47 - 033 - 4041
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1118' WATERSHED LITTLE TENMILE CREEK
DISTRICT SARDIS COUNTY HARRISON
QUADRANGLE WALLACE 7.5 min. Charlottesville
SURFACE OWNER E.C. JOHNSON HEIRS ACREAGE 36.12
OIL & GAS ROYALTY OWNER E.C. JOHNSON HEIRS LEASE ACREAGE 36.96
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) 6-6 104

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BENSON ESTIMATED DEPTH 4900'
WELL OPERATOR EXPLORATION PARTNERS PRODUCING CO. DESIGNATED AGENT LOUIS FERRARI
ADDRESS P.O. BOX 1245 BRIDGEPORT, WV 26330
ADDRESS P.O. BOX 1245 BRIDGEPORT, WV 26330

JUL 24 1994

COUNTY NAME
PERMIT

RECEIVED
State of West Virginia
OFFICE OF OIL AND GAS Division of Environmental Protection
Section of Oil and Gas

OCT 07 1994

Well Operator's Report of Well Work

Farm ~~and Division of~~ JOHNSON, CLARISSA & E.C. Operator Well No.: JOHNSON#1-E-330
Environmental Protection

LOCATION: Elevation: 1,118.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 11180 Feet South of 39 Deg. 25Min. Sec.
Longitude 8450 Feet West of 80 Deg. 25 Min. Sec.

Company: EXPLORATION PARTNERS PROD
P. O. BOX 1245
BRIDGEPORT, WV 26330-1245

Agent: LOUIS A. FERRARI

Inspector: TIM BENNETT
Permit Issued: 06/21/94
Well work Commenced: 8/21/94
Well work Completed: 8/26/94
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 4963
Fresh water depths (ft) 430

Salt water depths (ft) 920

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 410-421; 446-450

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	30'	---	---
8 5/8"	1112'	1112'	388 SKS
4 1/2"	4978'	4978'	775 SKS

OPEN FLOW DATA

Producing formation Benson, Balltown, Speechley Pay zone depth (ft) 3188-4814
Gas: Initial open flow show MCF/d Oil: Initial open flow show Bbl/d
Final open flow 1474 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 10 Hours
Static rock Pressure 530 psig (surface pressure) after 24 Hours

Second producing formation 4th, Gordon, 50', Injun Pay zone depth (ft) 1777-2686
Gas: Initial open flow show MCF/d Oil: Initial open flow show Bbl/d
Final open flow comingled MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 10 Hours
Static rock Pressure comingled psig (surface pressure) after 24 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: EXPLORATION PARTNERS PRODUCING CO.

By: Louis A. Ferrari Louis A. Ferrari
Date: September 16, 1994

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

- Stage I. (4208-4814) 16 holes, 750 gal HCL, 350 sks sand, 414 bbl H2O
- Stage II. (3664-3986) 18 holes, 500 gal HCL, 350 sks sand, 396 bbl H2O, 50 MSCF N2
- Stage III. (3188-3360) 12 holes, 500 gal HCL, 250 sks sand, 240 bbl H2O, 40 MSCF N2
- Stage IV. (2338-2676) 24 holes, 750 gal HCL, 300 sks sand, 440 bbl 75Q foam
- Stage V. (1777-1901) 23 holes, 500 gal HCL, 400 sks sand, 400 bbl 75Q foam

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal and gas
Sand & Shale	0	410	
Coal	410	421	
Shale	421	448	3" H2O @ 430'
Coal	448	450	
Sand & Shale	450	1647	1 1/2" H2O @ 920'
Maxton	1647	1688	
Shale	1688	1713	
B. Lime	1713	1816	
Injun	1816	1843	
Sand & Shale	1843	2450	
30'	2450	2472	
Shale	2472	2615	Gas show
4th	2615	2635	
Shale	2635	2730	
5th Sand	2730	2740	
Speechley	2740	3353	
Shale	3353	3650	
Balltown	3650	3700	Gas show
Shale	3700	3815	
Sand & Shale	3815	4790	
Benson	4790	4800	
Shale	4800	4963	DTD

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WV Division of Environmental Protection

033-4041
Issued 06/21/94

FORM WW-2B

JUN 03 94

Page ___ of ___

Expires 06/21/96

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

5588

16585 (7) 655

19297

- 1) Well Operator: Exploration Partners Producing Company
- 2) Operator's Well Number: E-330, Johnson #1 3) Elevation: 1118
- 4) Well type: (a) Oil ___ / or Gas x /
- 5) (b) If Gas: Production x / Underground Storage ___ /
Deep ___ / Shallow x /
- 6) Proposed Target Formation(s): Benson 435
- 7) Proposed Total Depth: 4900 feet
- 8) Approximate fresh water strata depths: 60, 175, 320, 450
- 9) Approximate salt water depths: 1500
- 10) Approximate coal seam depths: 320-325, 450-460
- 11) Does land contain coal seams tributary to active mine? Yes ___ / No x /
- 12) Proposed Well Work: Drill & stimulate new well

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	----	----
Fresh Water						
Coal	8 5/8"		20#	1100	1100	CTS
Intermediate						
Production	4 1/2"		10.5#	4900'	4900'	450 SKS
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

340 / 18

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

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Environmental Protection
JUN 0 3 94
Permitting
Office of Oil & Gas

- 1) Date: May 25, 1994
- 2) Operator's well number
E-330, Johnson #1
- 3) API Well No: 47 - 033 - 4041
State - County - Permit

STATE OF WEST VIRGINIA
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 Clarissa & E.C. Johnson
Address c/o Robert Johnson,
RR1, Box 372, Wallace, WV 26448
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 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 _____
- 6) Inspector Tim Bennett
Address 737 Karl 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)
x _____ 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 Exploration Partners Producing Company
By: Louis A. Ferrari
Its: Vice President
Address P.O. Box 1245
Bridgeport, WV 26330
Telephone (304)-842-8777

Subscribed and sworn before me this 25th day of May, 19 94

Ruth Ann Rigdon
My commission expires July 29, 2002
Ruth Ann Rigdon Notary Public