

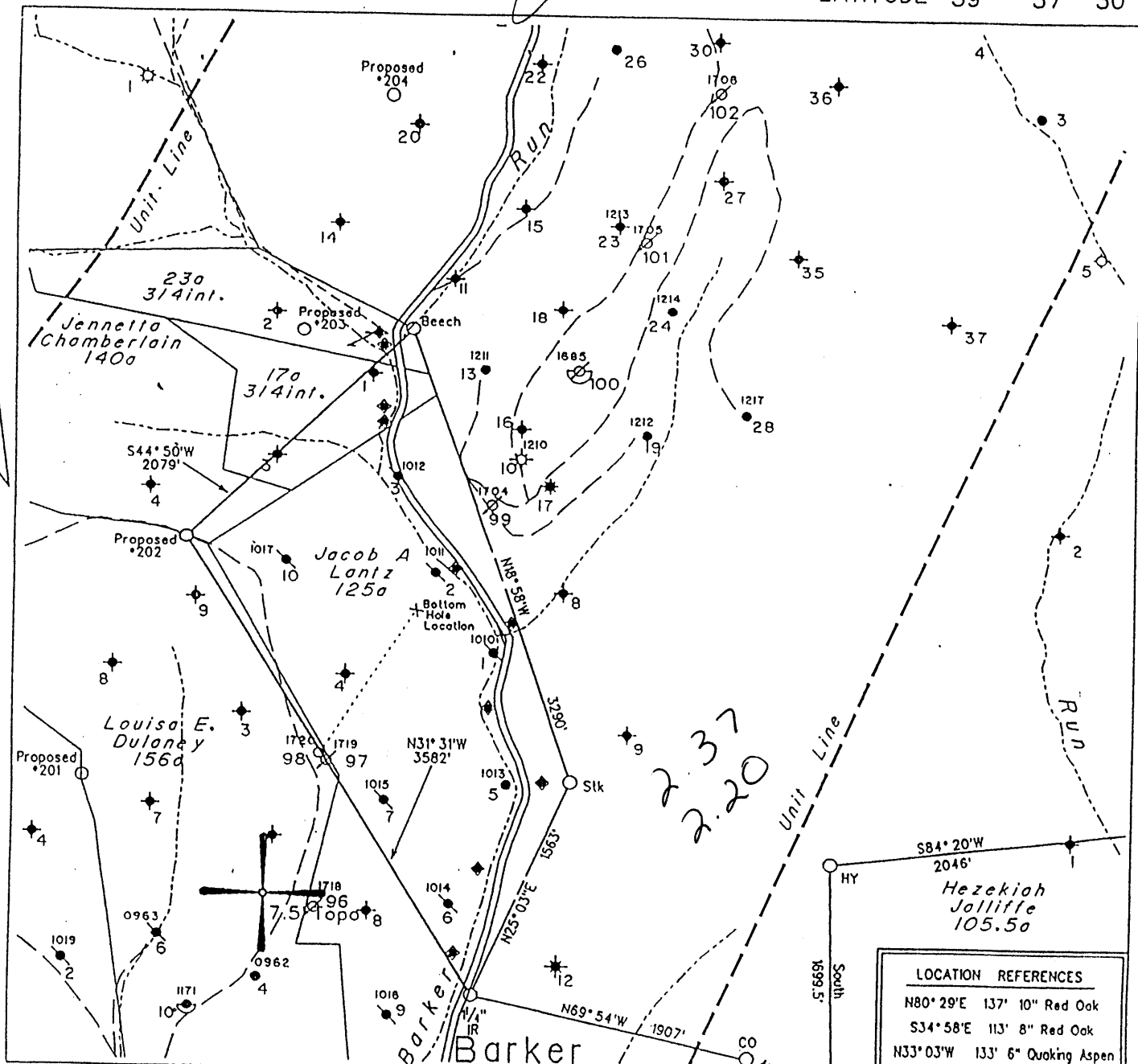
11,650'

11650'

LATITUDE 39° 37' 30"

LONGITUDE 80° 37' 30"

12,550'



Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

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

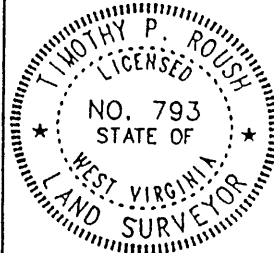
LOCATION REFERENCES	
N80° 29'E 137' 10"	Red Oak
S34° 58'E 113' 8"	Red Oak
N33° 03'W 133' 6"	Quaking Aspen

• Denotes a Water Supply Source

FILE NO. \_\_\_\_\_  
 MAP NO. N68 N 10 S E W 3  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION USGS BM - 838'

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 MINES.

(SIGNED) Timothy P. Roush  
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE July 21, 19 97  
 FARM L.E. Dulaney NO. 202  
 API WELL NO. 47-103-01748 F

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1323' WATERSHED North Fork of Fishing Creek  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Pine Grove

SURFACE OWNER Paul Able et al ACREAGE 128.5 Ac.  
 OIL & GAS ROYALTY OWNER Robert B. Myers LEASE ACREAGE 125 Ac.  
 LEASE NO. 31950-50

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY \_\_\_\_\_)

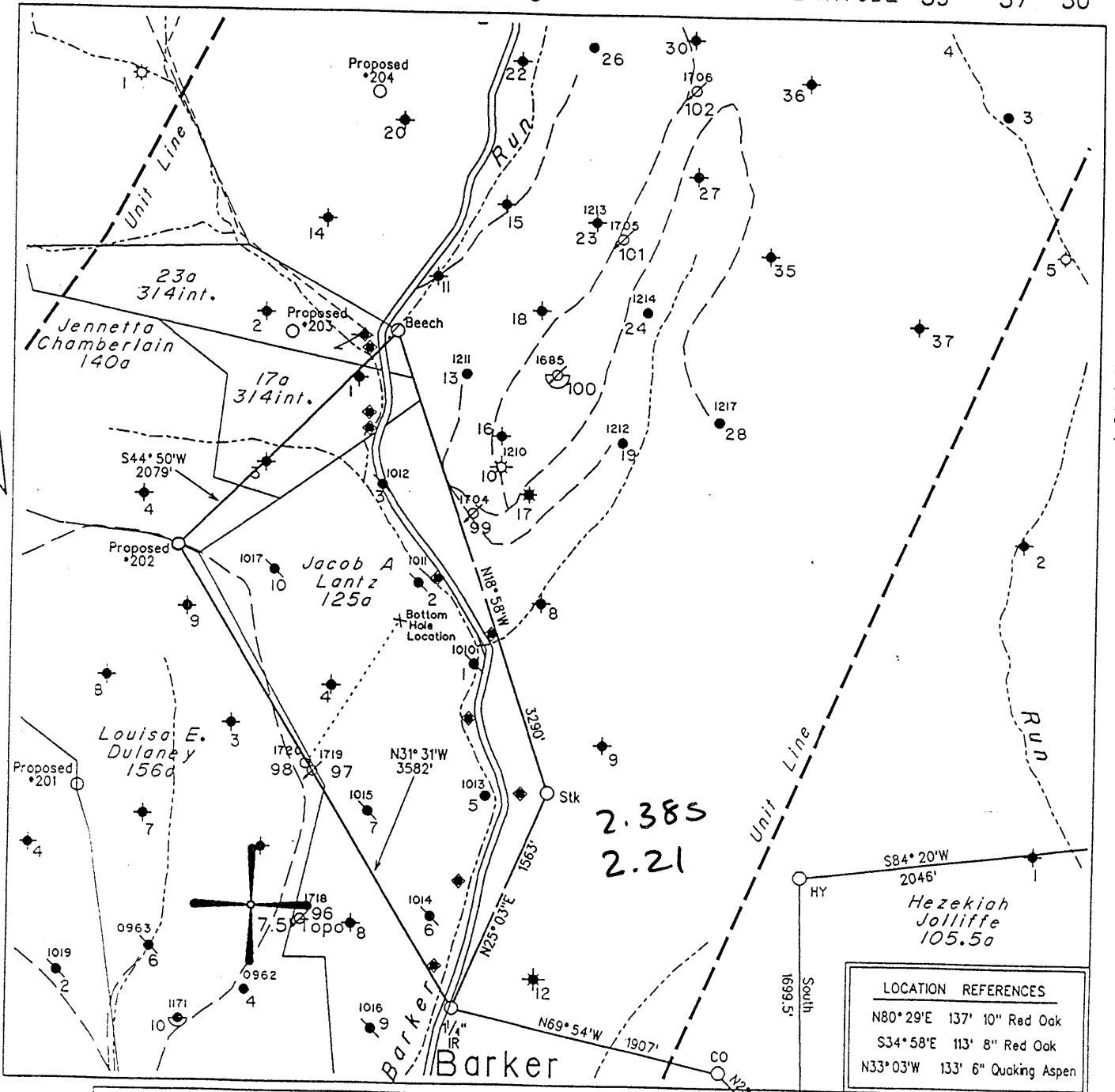
Existing Well drilled in 1997-10. 3303 production from Gordon Free Gordon Seals  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_

TARGET FORMATION Gordon ESTIMATED DEPTH 3315'

WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

APR 20 2001

WET 1748E



Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

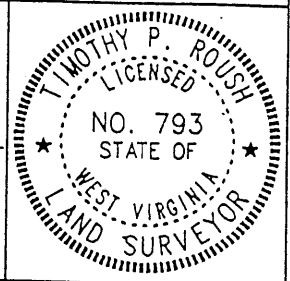
LOCATION REFERENCES	
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S34° 58' E	113' 8" Red Oak
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(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 MAP NO. N68 N 10 S E W 3  
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 PROVEN SOURCE OF ELEVATION USGS BM - 838'

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(SIGNED) Timothy P. Roush  
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE July 21, 19 97  
 FARM L.E. Dulaney NO. 202  
 API WELL NO. 47-103-1748 F

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1323' WATERSHED North Fork of Fishing Creek  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Pine Grove

SURFACE OWNER Paul Able et al ACREAGE 128.5 Ac.  
 OIL & GAS ROYALTY OWNER Robert B. Myers LEASE ACREAGE 125 Ac.  
 LEASE NO. \_\_\_\_\_

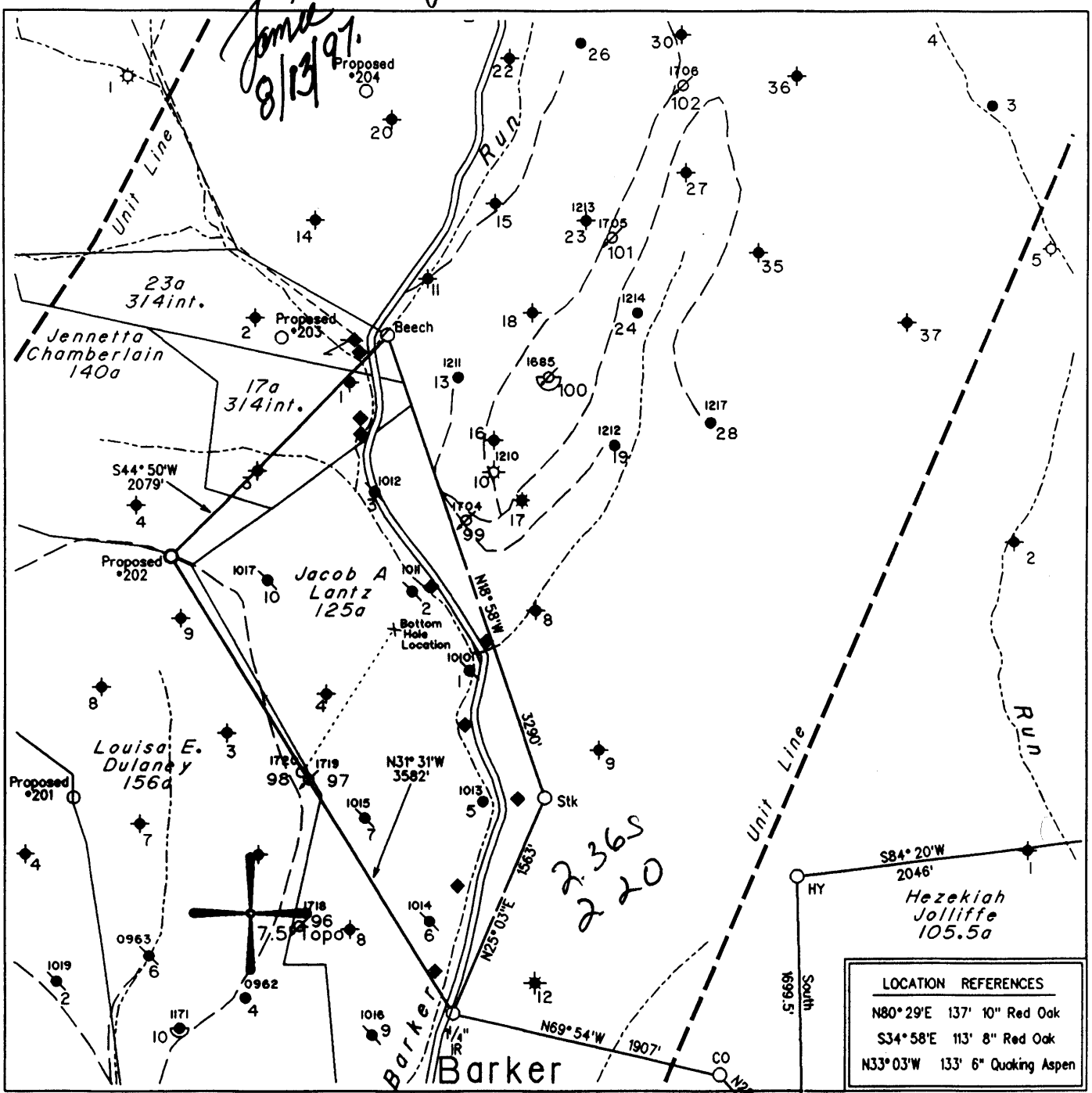
PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Gordon ESTIMATED DEPTH 3315'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

007 26 1998

WET 1748 F

*Jama*  
*8/13/97*



Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

LOCATION REFERENCES	
N80°29'E	137' 10" Red Oak
S34°58'E	113' 8" Red Oak
N33°03'W	133' 6" Quaking Aspen

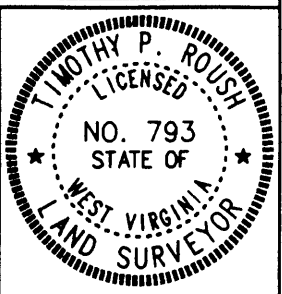
◆ - Denotes a Water Supply Source

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(SIGNED) *Timothy P. Roush*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE July 21, 1997  
 FARM L.E. Dulaney NO. 202  
 API WELL NO. 47-103-01748

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1323' WATERSHED North Fork of Fishing Creek  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Pine Grove

SURFACE OWNER Paul Able et al ACREAGE 128.5 Ac.  
 OIL & GAS ROYALTY OWNER Robert B. Myers LEASE ACREAGE 125 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 Gordon ESTIMATED DEPTH 3315'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

*New drill*  
 6-6 40  
 AUG 15 1997

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

Reviewed Art

Well Operator's Report of Well Work

Farm name: Able, Paul et al  
LOCATION: Elevation: 1,323.00  
District: Grant  
Latitude: 12,550 Feet south of  
Longitude: 11,650 Feet west of

Operator Well No.: L E DULANEY NO. 202  
Quadrangle: Pine Grove  
County: Wetzel  
39 Deg 37 Min 30 Sec.  
80 Deg 37 Min 00 Sec.

Company: EAST RESOURCES, INC.  
P.O. BOX 5519  
VIENNA, WV 26105-5519  
Agent: MICHAEL MCCOWN  
Inspector: Randy Mick  
Permit Issued: 04/18/01  
Well work Commenced: 04/24/01  
Well work Completed: 05/02/01  
Verbal plugging permission granted on:  
Rotary X Cable      Rig  
Total Depth (feet) 3,303  
Fresh water depths (ft) NA  
     NA  
Is coal being mined in area (Y/N)      N  
Coal Depths (ft):      1084

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1183.00	1183.00	515 sks
4 1/2"	3190.00'	3190.00'	135 sks

RECEIVED  
Office of Oil & Gas  
Permitting  
JAN 24 2002  
WV Department of  
Environmental Protection

OPEN FLOW DATA \* waterflood producer

Producing formation Gordon Stray Pay zone depth (ft) 3152-3175

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

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: EAST RESOURCES, INC.  
By: [Signature]  
Date: 1/23/02

MAR 01 2002

**Treatment :**

Treated Gordon Stray Perfs 3156-3160 and 3166-3170 w/500 gals 15% HCl, 302 bbls gelled water and 25000 # 20/40 sand

**Well Log :**

See original well record

WR-35

6-Aug-97  
API # 47 -103- 1748

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

Well Operator's Report of Well Work

RECEIVED  
Office of Oil and Gas  
MAR 19 1998  
WV Division of  
Environmental Protection

Farm name: Able, Paul etal Operator Well No.: L.E. Dulaney #202

LOCATION: Elevation: 1,323.00 Quadrangle: Pine Grove  
District: Grant County: Wetzel  
Latitude: 12,550 Feet south of 39 Deg 37 Min 30 Sec.  
Longitude: 11,650 Feet west of 80 Deg 37 Min 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY  
P.O. BOX 5519  
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: Randal Mick

Permit Issued: 8/11/97  
Well work Commenced: 10/20/97  
Well work Completed: 11/21/97

Verbal plugging permission granted on:  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 3303'  
Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N  
Coal Depths (ft): 1084'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1183'	1183'	515 Sacks
4 1/2"	3190.00'	3190.00'	135 Sacks

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 3,064  
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

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

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For: PENNZOIL PRODUCTS COMPANY

By: [Signature]

Date: 3/16/98

MAR 13 1998

WET 1748

**Treatment :**

Perforated Gordon sand with 16 holes from 3190'-3194' K.B. Fractured with 300 gals 15% HCL and 201bbls gelled water and 11,000 lbs. 20/40 sand

**Well Log :**

All depths are relative to K.B.

0	1084 Sand and Shale
1084	1088 coal
1088	1596 Shale
1596	1814 sand —
1814	1900 Shale
1900	2080 sand
2080	2264 Shale
2264	2422 Big Lime
2422	2464 Shale
2464	2584 Big Injun
2584	3052 Shale
3052	3060 Gordon Stray
3060	3064 Shale
3064	3075 Gordon
3075	3303 Shale

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1031748

- 1) Well Operator: Pennzoil Products Company 37450 9548
- 2) Operator's Well Number: L.E. Dulaney No.202 3) Elevation 1323
- 4) Well Type: (a) Oil X or Gas \_\_\_\_\_  
 (b) If Gas: Production \_\_\_\_\_ Underground Storage \_\_\_\_\_
- 5) Proposed Target Formation(s): Gordon
- 6) Proposed Total Depth: 3315 feet
- 7) Approximate fresh water strata depths: 523
- 8) Approximate salt water depths: NA
- 9) Approximate coal seam depths: 1083
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_\_\_ No X
- 11) Proposed Well Work: Drill and Stimulate New Well

*Issued 08/11/97*  
*Expires 08/11/99*  
**RECEIVED**  
 WV Division of  
 Environmental Protection  
 JUL 24 1997  
 Permitting  
 Office of Oil & Gas

24044

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight Per Ft.	For Drilling	FOOTAGE INTERVALS Left in Well	CEMENT Fill-up (Cu. Ft.)
	Size	Grade				
Conductor						<u>38(SR)11.3</u>
Fresh Water	8 5/8	L.S.	20	1173	1173	Cement to Surface
Coal						<u>38(SR)11.2</u>
Intermediate						
Production	4 1/2	J-55	10.5	3315	3315	Cement over Salt Sand
Tubing						<u>38(SR)11.1</u>
Liners						

Packers: Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

- Fee(s) Paid       Well Work Permit       Reclamation Fund       WPCP
- Plat       WW-9       WW-2B       Bond \_\_\_\_\_       Agent
- (Type)

0301191177



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 Paul Able  
Address P.O. Box 5213  
Takoma, MD 20913

(b) Name Nellie Willey  
Address Barker Route  
Pine Grove, WV 26419

(c) Name Hughie & Archie Lemasters  
Address H.C. 60, Box 146  
Pine Grove, WV 26419

6) Inspector Randal Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304) - 986-3324

5) (a) Coal Operator:  
Name NA  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration  
Name DUPECH, Inc.  
Address 6451 Pleasant St.  
Library, PA 15129

(c) Coal Lessee with Declaration  
Name NA  
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 4 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 Pennzbil Products Company

By: [Signature] Timothy P. Roush

Its: Supervisor, Surveying/Mapping

Address P.O. Box 5519  
Vienna, WV 26105-5519

Telephone (304) 422-6565

Subscribed and sworn before me this 22 day of July, 1997

[Signature] Notary Public

My commision expires 10/3/2000

