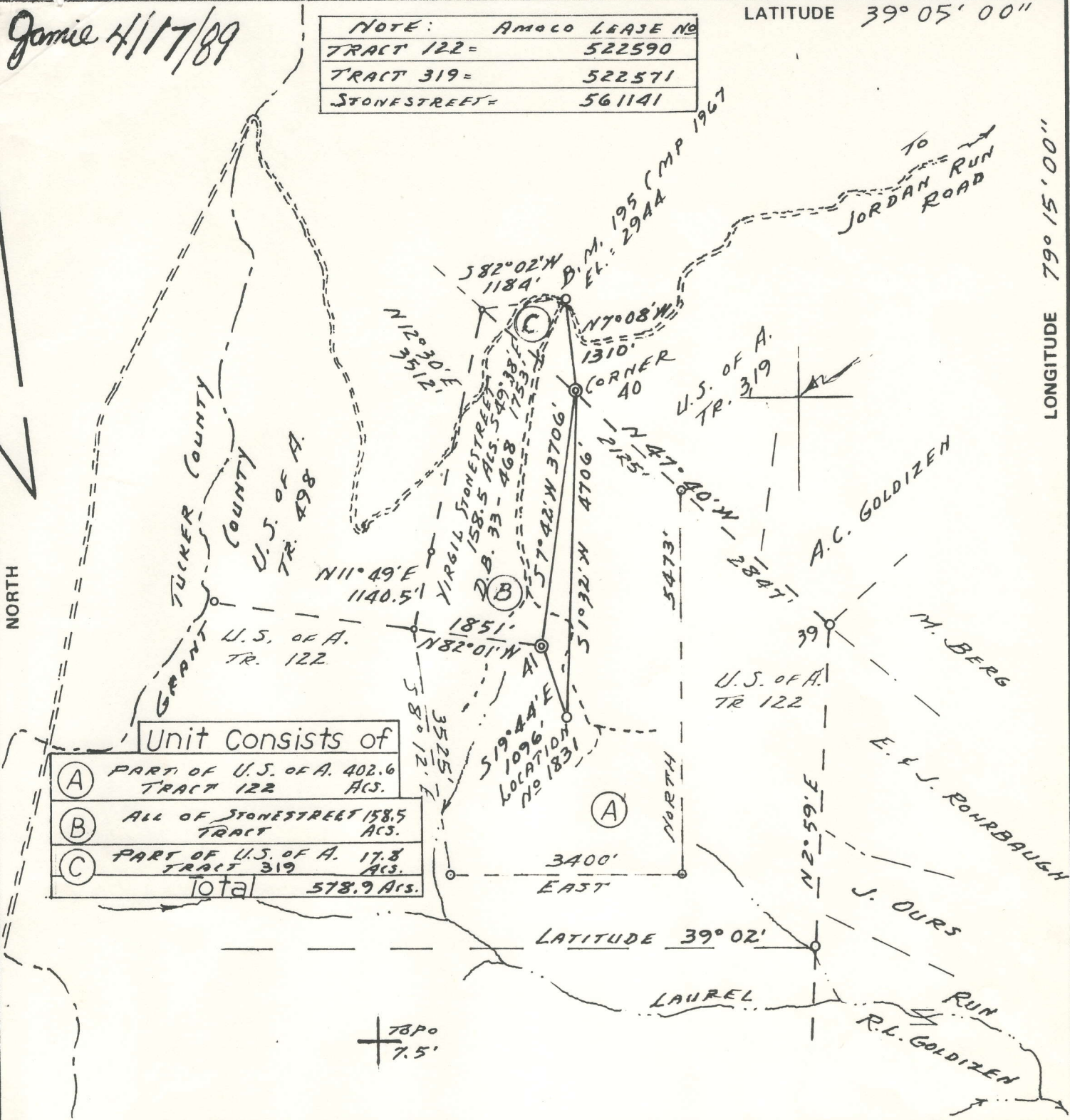


Janie 4/17/89

LATITUDE 39° 05' 00"

NOTE:	AMOCO LEASE NO
TRACT 122=	522590
TRACT 319=	522571
STONE STREET=	561141



LONGITUDE 79° 15' 00"

14,930'

Unit Consists of

(A)	PART OF U.S. OF A. 402.6 TRACT 122 ACS.
(B)	ALL OF STONESTREET 158.5 TRACT ACS.
(C)	PART OF U.S. OF A. 17.8 TRACT 319 ACS.
Total 578.9 ACS.	

FILE NO. U.D.I. - 2 - 69
 DRAWING NO. 82 - 27
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. 6004.6'
N. OF LOCATION
EL. = 2944

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) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 20, 19 82
 OPERATOR'S WELL NO. 1-1831
 API WELL NO. CNR# 21124-TPI
47 - 023 - 0005 FRAC
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 2992 WATER SHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 7.5'
 SURFACE OWNER U.S. OF A. NATIONAL FOREST ACREAGE _____
 OIL & GAS ROYALTY OWNER U.S. OF A. NATIONAL FOREST LEASE ACREAGE AMOCO
 LEASE NO. NOTE ABOVE
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

CANCELLED - 2nd frac.

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 9350'
 WELL OPERATOR Equitable Res. Exptl. DESIGNATED AGENT Equitable Res. Exploration
 ADDRESS P.O. Drawer 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

JUN 10 1982

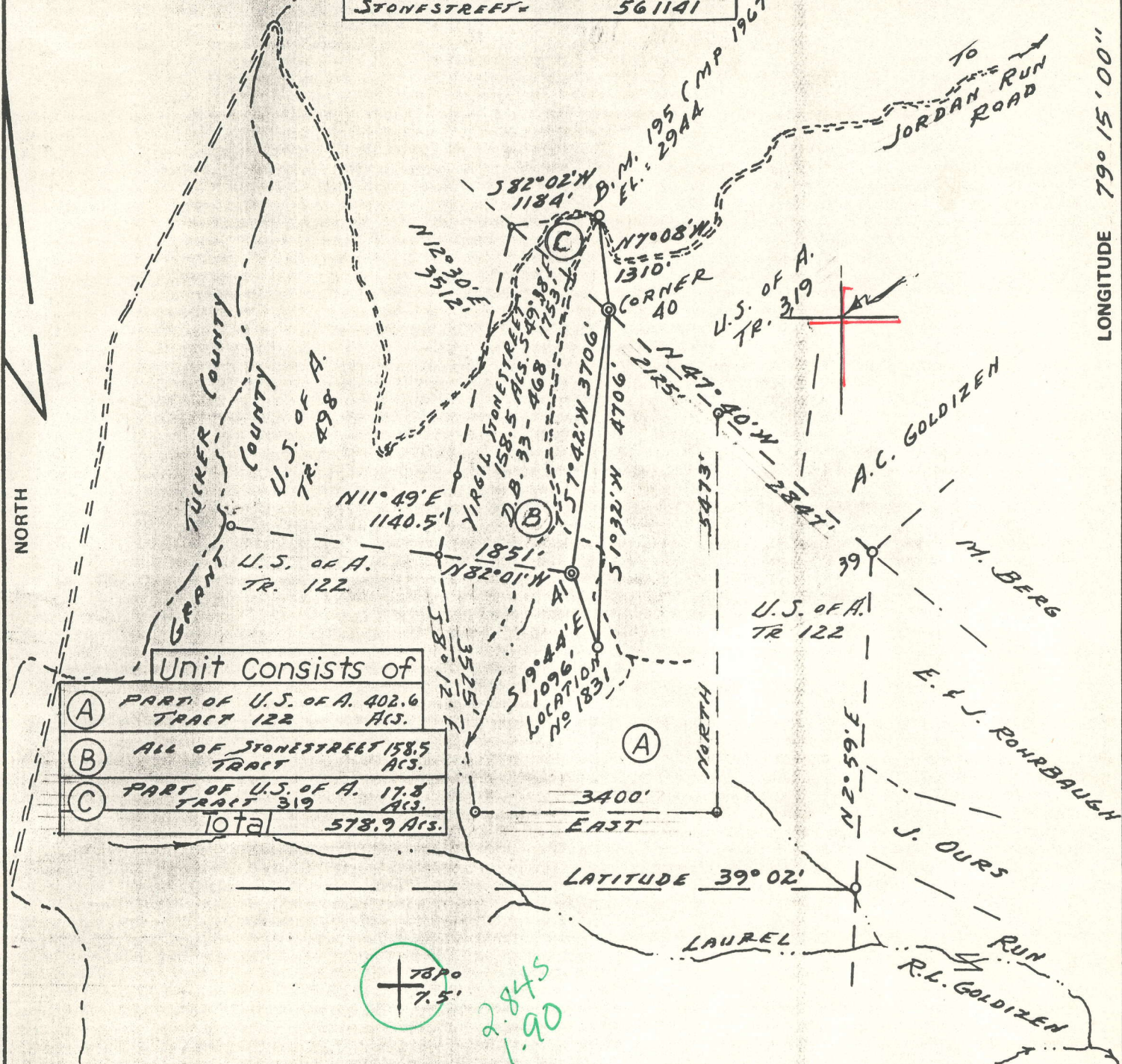
GRANT - 0005 - FRAC

Gomie 4/17/89

NOTE:	Amoco LEASE No
TRACT 122 =	522590
TRACT 319 =	522571
STONESTREET =	561141

LATITUDE 39° 05' 00"

LONGITUDE 79° 15' 00"

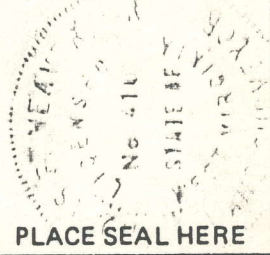


Unit Consists of

(A)	PART OF U.S. OF A. 402.6 TRACT 122 ACS.
(B)	ALL OF STONESTREET 158.5 TRACT ACS.
(C)	PART OF U.S. OF A. 17.8 TRACT 319 ACS.
Total 578.9 ACS.	

FILE NO. U.D.I. - 2 - 69
 DRAWING NO. 82 - 27
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. 6004.6'
N. OF LOCATION
FL. = 2944

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) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE July 20, 19 82
 OPERATOR'S WELL NO. 1-1831
 API WELL NO. _____
47 - 023 - 0005 FRAC
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 2992 WATERSHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 7.5' 255' 0347
 SURFACE OWNER U.S. OF A. NATIONAL FOREST ACREAGE
 OIL & GAS ROYALTY OWNER U.S. OF A. NATIONAL FOREST LEASE ACREAGE Amoco
 LEASE NO. NOTE ABOVE
 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 ORISKANY ESTIMATED DEPTH 9350'
 WELL OPERATOR Equitable Res. Expl. DESIGNATED AGENT Equitable Res. Exploration
 ADDRESS P.O. Drawer 40 ADDRESS P.O. Drawer 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

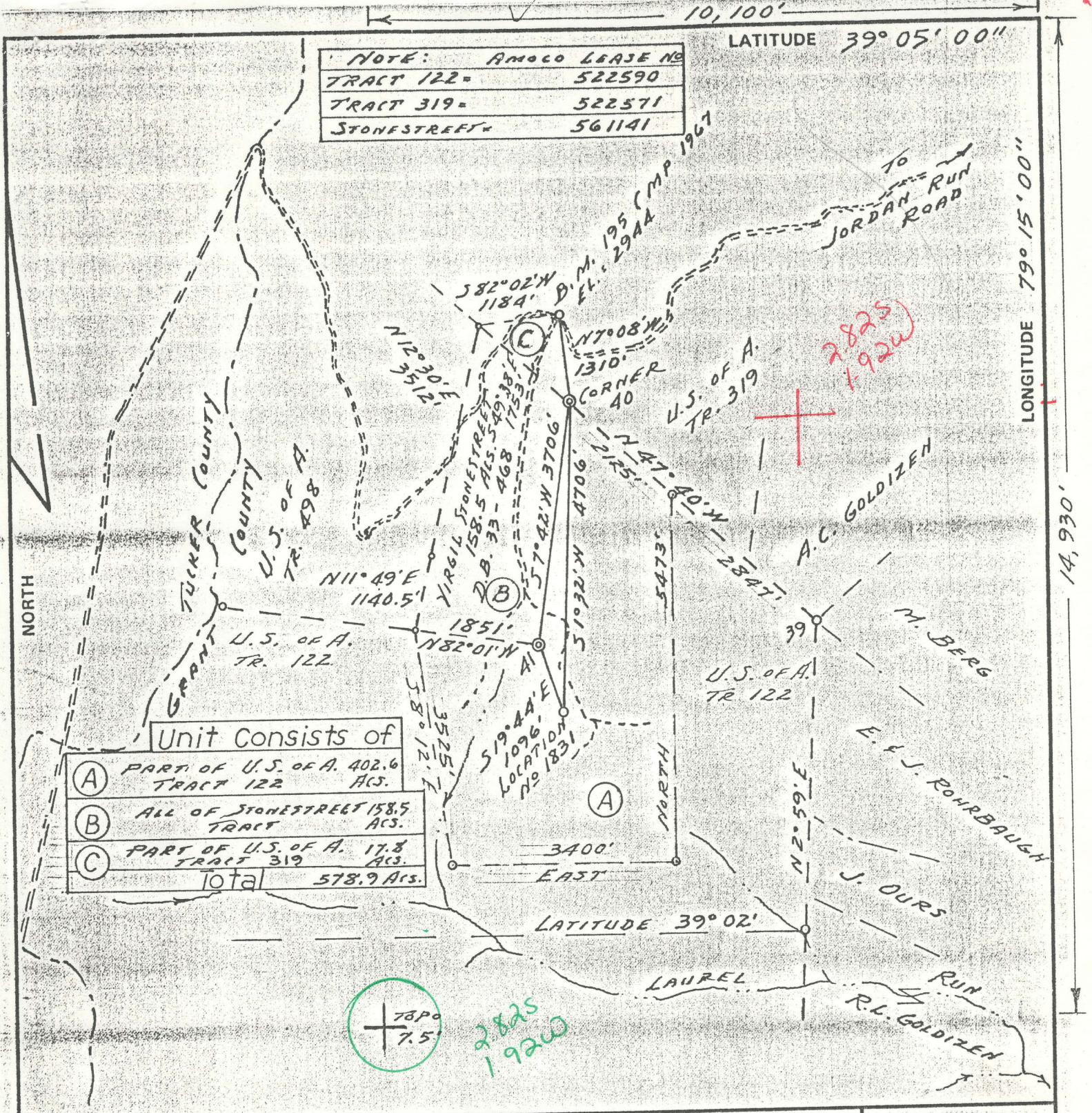
APR 28 1989

Grant - 0005 - Frac

NOTE:	Amoco LEASE NO
TRACT 122 =	522590
TRACT 319 =	522571
STONESTREET =	561141

LATITUDE 39° 05' 00"

LONGITUDE 79° 15' 00"



Unit consists of

(A)	PART OF U.S. OF A. 402.6 TRACT 122 ACS.
(B)	ALL OF STONESTREET 158.5 TRACT ACS.
(C)	PART OF U.S. OF A. 17.8 TRACT 319 ACS.
Total 578.9 ACS.	

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 (SIGNED) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 20, 1982
 OPERATOR'S WELL NO. 1-1831
 API WELL NO. 47-023-0005-F
 STATE COUNTY PERMIT

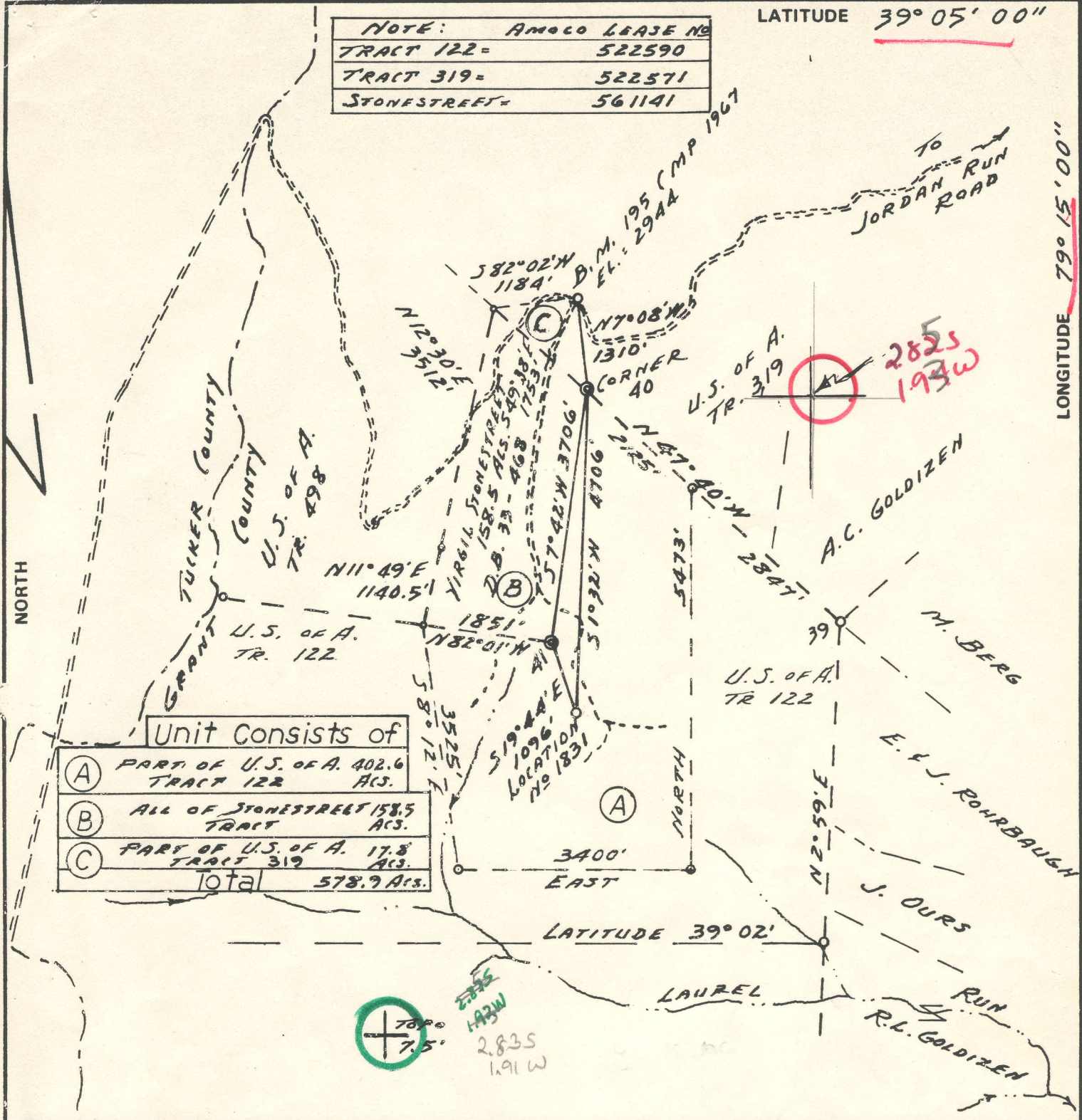
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 2992 WATER SHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION 2 COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 7.5' 255 034 5E9
 SURFACE OWNER U.S. OF A. NATIONAL FOREST ACREAGE _____
 OIL & GAS ROYALTY OWNER U.S. OF A. NATIONAL FOREST LEASE ACREAGE Amoco
 LEASE NO. NOTE ABOVE
 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 ORISKANY 493 ESTIMATED DEPTH 9350'
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON W.VA. 26201 BUCKHANNON W.VA. 26201

AUG 25 1986
 (370)

OWWO 6-6 Jordan Run

NOTE:	Amoco LEASE NO
TRACT 122 =	522590
TRACT 319 =	522571
STONESTREET =	561141



Unit Consists of

(A)	PART OF U.S. OF A. 402.6 TRACT 122 ACS.
(B)	ALL OF STONESTREET 158.5 ACS.
(C)	PART OF U.S. OF A. 17.8 TRACT 319 ACS.
	Total 578.9 ACS.

FILE NO. U.D.P. - 2 - 69
 DRAWING NO. 82 - 27
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. 6004.6
N. OF LOCATION
FL. = 2944

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) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 20, 1982
 OPERATOR'S WELL NO. 1-1831
 API WELL NO. 47-023-0005
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 2992 WATER SHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 7.5' Davis 15' SE
 SURFACE OWNER U.S. OF A. NATIONAL FOREST ACREAGE _____
 OIL & GAS ROYALTY OWNER U.S. OF A. NATIONAL FOREST LEASE ACREAGE Amoco
 LEASE NO. NOTE ABOVE

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 ORISKANY ESTIMATED DEPTH 9350'
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40

OCT 18 1982

1-1 Jordan Run (370) deep well



RECEIVED

IV-35 (Rev 8-81)

JAN 12 1983

State of West Virginia

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Department of Mines Oil and Gas Division

Date December 31, 1982 Operator's Well No. 1 - 1831 Farm U.S.A. #1 API No. 47 - 023 - 0005

WELL OPERATOR'S REPORT OF

(CONFIDENTIAL WELL)

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas xx/ Liquid Injection / Waste Disposal / (If "Gas," Production xx/ Underground Storage / Deep xx/ Shallow /)

LOCATION: Elevation: 2992' Watershed Laurel Run of Jordan Run District: Union County Grant Quadrangle Blackbird Knob

COMPANY UNION DRILLING, INC. ADDRESS P. O. Drawer 40, Buckhannon, WV 26201 DESIGNATED AGENT Joseph C. Vanzant, Jr. ADDRESS P. O. Drawer 40, Buckhannon, WV 26201 SURFACE OWNER U. S. Forest Service Petersburg, WV 26847 ADDRESS Attn: Jerry Bremer, District Ranger MINERAL RIGHTS OWNER U. S. Forest Service Petersburg, WV 26847 ADDRESS Attn: Jerry Bremer, District Ranger OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart ADDRESS P. O. Box 345, Jane Lew, WV 26378

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13 3/8" 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

PERMIT ISSUED October 13, 1982 DRILLING COMMENCED October 26, 1982 DRILLING COMPLETED December 24, 1982 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Oriskany Depth 8510 feet Depth of completed well 8730 feet Rotary x / Cable Tools Water strata depth: Fresh 87 feet; Salt -- feet Coal seam depths: none Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 8510 feet Gas: Initial open flow 5,260 Mcf/d Oil: Initial open flow Bbl/d Final open flow none taken Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests ? hours Static rock pressure Taken None psig (surface measurement) after hours shut in (If applicable due to multiple completion--)

Second producing formation Pay zone depth feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

FEB 14 1984

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
On 12/31/82 perforated 8465/8510 and spot acid (1500 gallon Mod 202 15%).

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	7724	Hole damp at 87'
Tully?			7724	7734	
Sand and Shale			7734	8023	
Perciel Limestone		Forest Purcell	8023	8092	
Marcellus			8092	8153	
Needmore Shale			8153	8283	
Oriskany			8283	8602	
Helderberg ?			8602	TD 8730	

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By:

Date: 12/31/82 Joseph C. Pettey, Vice President of Production

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."



IV-35
(Rev 8-81)

RECEIVED
JUL 05 1988

State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

REVISED WELL RECORD
Date July 1, 1988
Operator's
Well No. 1-1831
Farm U.S.A. #1
API No. 47 - 023 - 0005
(CONFIDENTIAL WELL)

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep x / Shallow ___ /)

LOCATION: Elevation: 2992' Watershed Laurel Run of Jordan Run
District: Union County Grant Quadrangle Blackbird Knob

COMPANY Equitable Resources Exploration, Inc.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Douglas P. Terry
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER U.S. Forest Service
Petersburg, WV 26847
ADDRESS ATTN: Jerry Bremer, District Ranger
MINERAL RIGHTS OWNER U.S. Forest Service
Petersburg, WV 26847
ADDRESS ATTN: Jerry Bremer, District Ranger
OIL AND GAS INSPECTOR FOR THIS WORK Phillip
Tracy ADDRESS P. O. Box 2536, Elkins, WV
26241
PERMIT ISSUED October 13, 1982
DRILLING COMMENCED October 26, 1982
DRILLING COMPLETED December 24, 1982

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-3/8"	336.25'	336.25'	271
9 5/8	3069.55'	3069.55'	1315
8 5/8			
7			
5 1/2		8679.45'	1159
4 1/2			
3			
2 7/8"		8401	
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Oriskany Depth 8510 feet
Depth of completed well 8730 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 87 feet; Salt -- feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Oriskany Pay zone depth 8510 feet
Gas: Initial open flow 5,260 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow None Taken Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests? _____ hours
Static rock pressure None taken psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

JUL 15 1988

W/O
9/25/86

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

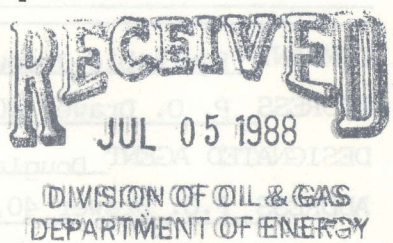
On 12/31/82 perforated 8465/8510 and spot acid (1500 gallon Mod 202 15%).

On July 22, 1986 received Frac Permit 47-023-0005F.

On 9/25/86 perforated 8465'/8485' and acidized with 1500 gallons 15% Fe Acid with ball sealers.

orig
w/o

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	7724	Hole damp at 87'
Tully?			7724	7734	
Sand and Shale			7734	8023	
Perciel Limestone			8023	8092	
Marcellus			8092	8153	
Needmore Shale			8153	8283	
Oriskany			8283	8602	
Helderberg?			8602	TD 8730	

Parcell

(Attach separate sheets as necessary)

EQUITABLE RESOURCES EXPLORATION, INC.

Well Operator

By: Douglas P. Terry

Date: July 1, 1988 - DOUGLAS P. TERRY - OPERATIONS MANAGER-NORTH

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

- 1) Well Operator: Equitable Resources Exploration, Inc. 16155-3 253-
2) Operator's Well Number: 1831 3) Elevation: 2992
4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep X/ Shallow /
5) Proposed Target Formation(s): Oriskany
6) Proposed Total Depth: 8717 feet
7) Approximate fresh water strata depths: 87
8) Approximate salt water depths: none
9) Approximate coal seam depths: None
10) Does land contain coal seams tributary to active mine? Yes / No X/
11) Proposed Well Work: Restimulate the Oriskany Formation.
12)

CASING AND TUBING PROGRAM

Table with 4 columns: TYPE, SPECIFICATIONS, FOOTAGE INTERVALS, CEMENT. Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

8535-

PACKERS : Kind
Sizes
Depths set

RECEIVED APR 10 1989

For Division of Oil and Gas Use Only
987 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond (Type) Agent

RECEIVED
APR 10 1989

1) Date: April 7, 1989
2) Operator's well number 1831
3) API Well No: 47 - 023 - 0005 -FRAC
State - County - Permit

TO BE HELD CONFIDENTIAL
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|---|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>US OF A National Forest</u>
Address <u>Potomac Ranger District</u>
<u>Petersburg, WV 26847</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> <p>6) Inspector <u>Phillip Tracy</u>
Address <u>Rt. 2, Box 37-A</u>
<u>Montrose, WV 26283</u>
Telephone (304)- _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>US of A National Forest</u>
Address <u>Potomac Ranger District</u>
<u>Petersburg, WV 26847</u></p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
|---|--|

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 6 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 Equitable Resources Exploration, Inc.
By: Douglas P. Terry Douglas P. Terry
Its: Operations Manager, North
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone (304) 472-4610

Subscribed and sworn before me this 7th day of April, 19 89

Linda S. Corfield Notary Public
My commission expires December 23, 1997

AUG - 4 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



1) Date: July 22, 1986
2) Operator's Well No. 1831
3) API Well No. 47 State 023 County 0005-F Permit

TO BE HELD CONFIDENTIAL

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

- 4) WELL TYPE: A Oil _____ / Gas XX /
B (If "Gas", Production XX / Underground storage _____ / Deep XX / Shallow _____ /)
- 5) LOCATION: Elevation: 2992' Watershed: Laurel Run of Jordan Run
District: Union 3893 County: Grant Quadrangle: Blackbird Knob 253-
- 6) WELL OPERATOR Union Drilling CODE: 50550 7) DESIGNATED AGENT Joseph C. Pettey
Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Donald Ellis Name Union Drilling, Inc.
Address 2604 Crab Apple Lane Address Post Office Drawer 40
Fairmont, WV 26554 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate XX /
Plug off old formation _____ / Perforate new formation XX /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany 475
- 12) Estimated depth of completed well, 8730 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13-3/8"			X		336.25	336.25	271	Kinds
Fresh water									
Coal									Sizes
Intermediate	9-5/8			X		3069.55	3069.55	1315	
Production	5-1/2			X			8679.45	1159	Depths set
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-023-0005-F

August 20 19 86
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires August 20, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>AS</u>	Plat: <u>RS</u>	Casing: <u>AS</u>	Fee: <u>47234</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
----------------	------------------	-----------------	-------------------	-------------------	-----------------	----------------	--------------

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

12485



1) Date: October 12, 1982

2) Operator's Well No. 1 - 1831

3) API Well No. 47 State 023 County 0005 Permit

DRILLING CONTRACTOR:

Union Drilling, Inc.
P. O. Drawer 40
Buckhannon, WV 26201

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

U.S.A. #1

OIL AND GAS WELL PERMIT APPLICATION

(CONFIDENTIAL WELL)

- 4) WELL TYPE: A Oil _____ / Gas X /
B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____)
- 5) LOCATION: Elevation: 2992' Watershed: Laurel Run of Jordan Run
District: Union County: Grant Quadrangle: Blackbird Knob
- 6) WELL OPERATOR Union Drilling, Inc. 11) DESIGNATED AGENT Union Drilling, Inc.
Address P. O. Drawer 40 Address P. O. Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 7) OIL & GAS ROYALTY OWNER U. S. Forest Service AND Additional Surface Owner 12) COAL OPERATOR Susan Stonestreet
Address Attn: Jerry Bremer, Dist. Ranger Address Rt. #1, Box 137
Petersburg, WV 26847 Marysville, WV 26833
Acreage _____
- 8) SURFACE OWNER U. S. Forest Service 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Attn: Jerry Bremer, Dist. Ranger Name U. S. Forest Service
Petersburg, WV 26847 Address Attn: Jerry Bremer, Dist. Ranger
Acreage _____ Address Petersburg, WV 26847
- 9) FIELD SALE (IF MADE) TO:
Address Not determined at this time
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart 884-7782
Address P. O. Box 345
Jane Lew, WV 26378
- 15) PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate XX /
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) Oriskany
- 16) GEOLOGICAL TARGET FORMATION, _____
- 17) Estimated depth of completed well, 9350 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /

RECEIVED
OCT 12 1982
OIL & GAS DIVISION
DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	20"			X		30'	30'		Kinds
Fresh water	3 5/8"		54.5#	X		500'	500'	to surface	
Coal									Sizes
Intermediate	9 5/8"		43.5#	X		3000'	3000'	250 sks.	
Production	8 1/2"		20#	X		9300'	9300'	600 sks. or as required	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
My Commission Expires XX 5/22/89

Signed: _____
Its: Joseph C. Petty, Vice President of Production, Union Drilling, Inc.

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-023-0003

Date October 13 1982

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: _____	Agent: _____	Plat: _____	Casing _____	Fee _____
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Administrator, Office of Oil and Gas