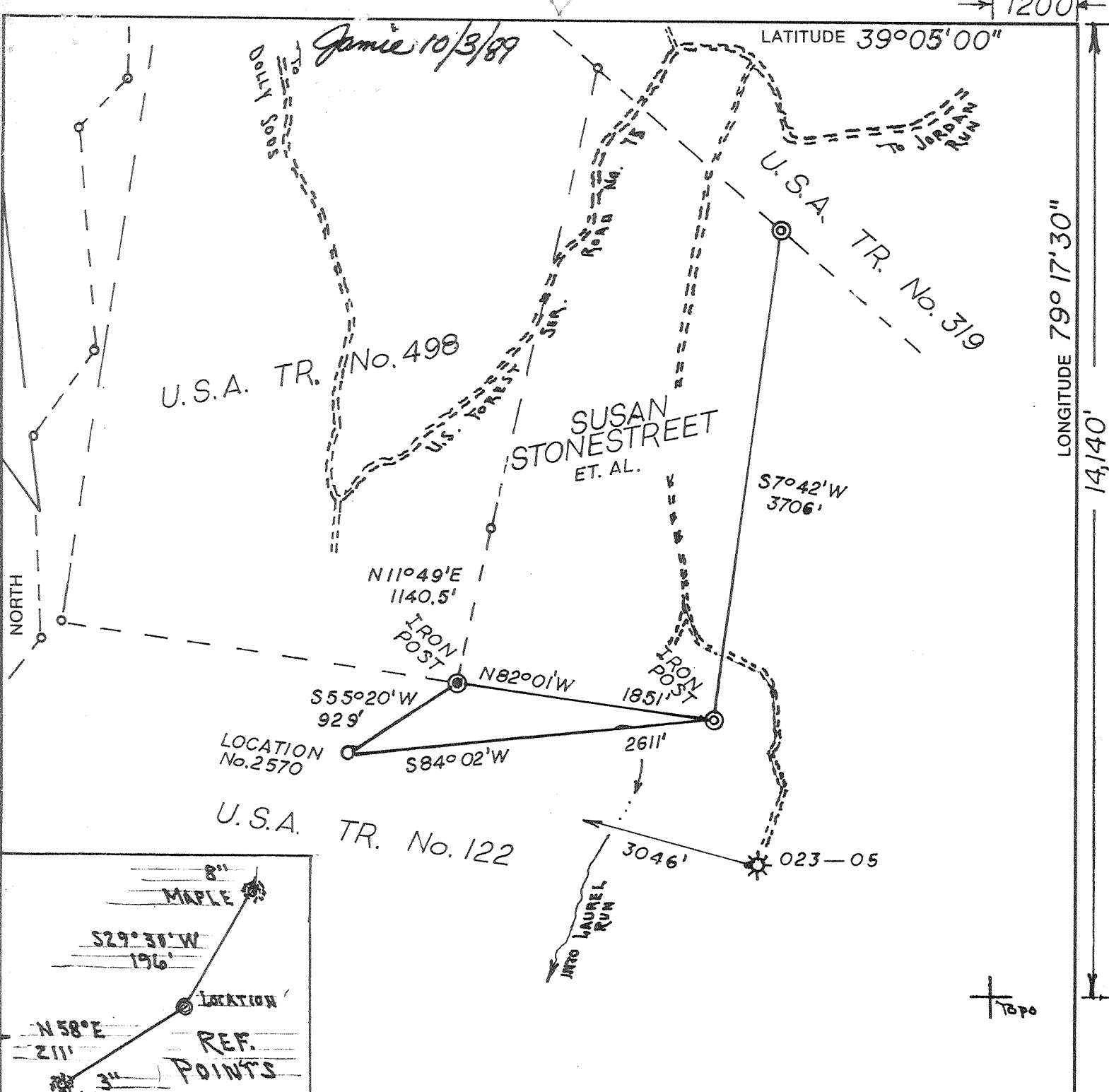
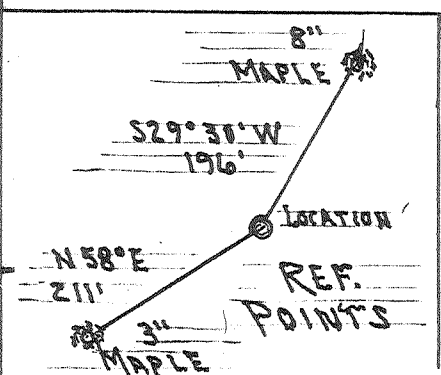


1200



LONGITUDE 79° 17' 30"

14,140'



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

FILE NO. 5-3
 DRAWING NO. 89-2
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL 023-05
EL. 2992

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

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE APRIL 20, 1989
 OPERATOR'S WELL NO. WV 6 02570
 API WELL NO. 47-023-0025-P

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

LOCATION: ELEVATION 3223 WATERSHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB

SURFACE OWNER U. S. A. NATIONAL FOREST TR. 122 ACREAGE 8958
 OIL & GAS ROYALTY OWNER U. S. A. LEASE ACREAGE 1272
 LEASE NO. E. S. 10025

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 9340'

WI Columbia Natural Resources, Inc. DESIGNA Steve Smolder, AGent
 AC P.O. Box 6070 _ADDRE Same Address
Charleston, WVa. 25362-6070

MAY 24 1991

GRANT COUNTY NAME
 PERMIT 0025

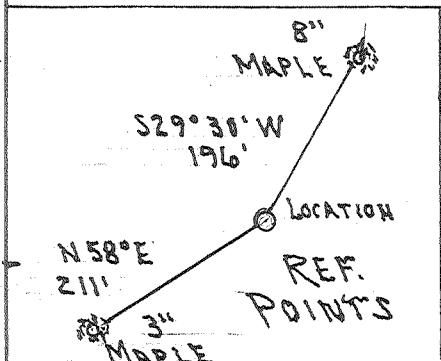
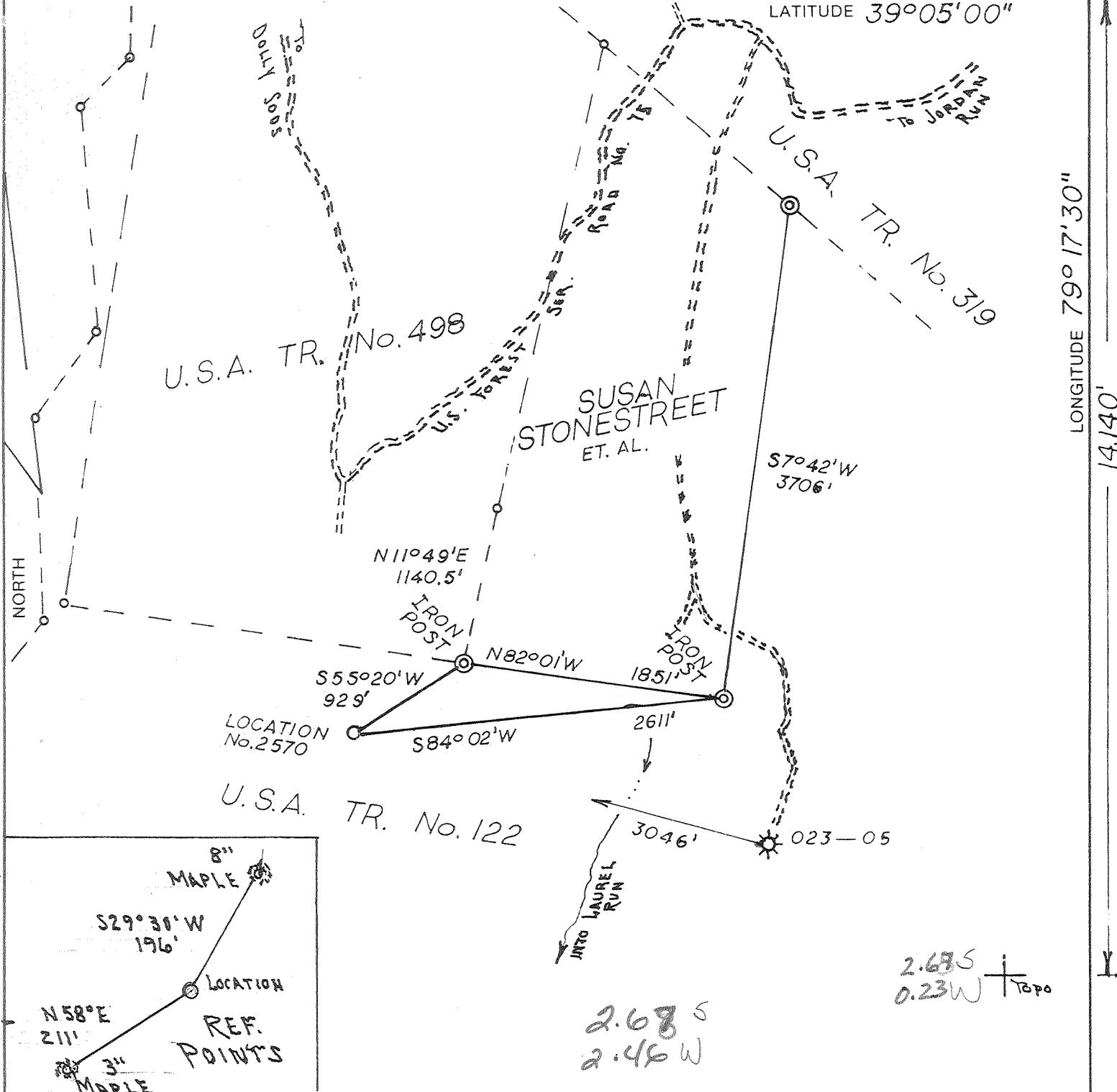
DEEP WELL 6-0 (370)

1200'

LATITUDE 39°05'00"

LONGITUDE 79°17'30"

14,140'



FILE NO. 5-3
 DRAWING NO. 89-2
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL 023-05
EL. 2992

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

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE APRIL 20, 1989
 OPERATOR'S WELL NO. WV G 02570
 API WELL NO.

47 - 023 - 0025

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

LOCATION: ELEVATION 3223 WATERSHED LAUREL RUN OF JORDAN RUN
 DISTRICT UNION 3 COUNTY GRANT

QUADRANGLE BLACKBIRD KNOB Davis SE

SURFACE OWNER U. S. A. NATIONAL FOREST TR. 122 ACREAGE 8958

OIL & GAS ROYALTY OWNER U. S. A. LEASE ACREAGE 1272

LEASE NO. E. S. 10025

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

OCT 6 1989

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION ORISKANY ESTIMATED DEPTH 9340'

WELL OPERATOR EQUITABLE RESOURCES EX. DESIGNATED AGENT DOUGLAS P. TERRY

ADDRESS P.O. DRAWER 40, BUCKHANNON, WV. 26201 ADDRESS P.O. DRAWER 40, BUCKHANNON, WV. 26201

GRANT COUNTY NAME PERMIT

FORM WW-6 H.T. HALL 4-85-73

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

Well Operator's Report of Well Work

Farm name: UNITED STATES FOREST SERV Operator Well No.: WVGO2570 ^{May 8 1989}

LOCATION: Elevation: 3223.00 Quadrangle: BLACKBIRD KNOB

District: UNION County: GRANT
Latitude: 14140 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude 1200 Feet West of 79 Deg. 17 Min. 30 Sec.

Company: EQUITABLE RESOURCES EXP.
P. O. DRAWER 40
BUCKHANNON, WV 26201-0040

Agent: DOUGLAS P. TERRY

Inspector: PHILLIP TRACY
Permit Issued: 10/03/89
Well work Commenced: 10/14/89
Well work Completed: 10/15/89
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	91	91	63
9-5/8"	2750	2750	861
5-1/2"	10087	10087	606

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Oriskany 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

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.

See Note from Steve Smolder from Columbia NAT Rec.
For: EQUITABLE RESOURCES EXP. INC.
By: _____
Date: 5/23/91
on the completion

3/29/94

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	0	3935	Sand, Shale, Red Rock
	3935	4370	Shale, Gas @ 4034 ck. no show
	4370	4945	Shale, Sand, Gas @ 5009 ck. no show
	4945	6340	Shale, Sand, Gas ck. @ 6039 no show
	6340	6685	Shale, gas ck. @ 7010 no show
Elk	6685	6720	
	6720	8352	Sand, Shale, Gas ck. @ 8010 no show
Tully Limestone	8352	9256	Shale, gas ck. @ 8759 no show
Upper Marcellus	9256	9300	Black and Soft
Purcell	9300	9320	Gray
Lower Marcellus	9320	9362	Black
Tioga Ben.	9362	9402	Soft
Onondoga	9402	9416	
Needmore	9416	9514	
Oriskany Chert	9514	9548	Gray
Oriskany Sand	9548	9690	Gray
	9690	9998	Sand
Corrigansville	9998	10118	Lime

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

RECEIVED
 May 08 91
 Section

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

22019

NOV 05 1991
DIVISION OF OIL & GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: UNITED STATES FOREST SERV Operator Well No.:22019

LOCATION: Elevation: 3223.00 Quadrangle: BLACKBIRD KNOB
District: UNION County: GRANT
Latitude: 14140 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude 1200 Feet West of 79 Deg. 17 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: Columbia Natural Resources Inc. Coal Operator _____
P.O. Box 6070 or Owner _____
Charleston, WV 25362

Agent: Joseph E. Campbell Coal Operator _____
Inspector: Phillip Tracy or Owner _____
Permit Issued: 05/23/91

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Grant ss:

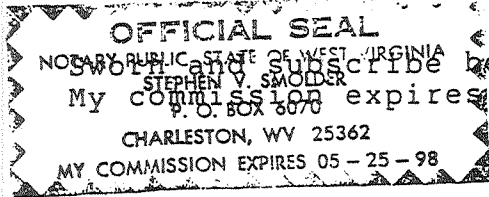
Charles E. Bellinger and Larry R. Bellinger being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Columbia Natural Resources, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8th day of June, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Load hole w/6% Gel				
Set B.P. @ 9600'				
Cement Plug	9600	9400		
5-1/2 Csg.			<u>3825 7000</u>	<u>6262 3000</u>
Cement Plug	7100	6900		
Cement Plug	2900	2650		
6% Gel Circulated to Surface				

Description of monument: As Prescribed by Law

and that the work of plugging and filling said well was completed on the 18 day of JUNE, 1991.

And further deponents saith not.



Subscribed before me this 10 day of July, 1991
My commission expires: May 28, 1991
Stephen V. Smolder
Notary Public

NOV 13 1991

023-00025

Issued 10/03/89 Expires 10/03/91

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

16155, 3, 255

- 1) Well Operator: Equitable Resources Exploration, a division of Equitable Resources Energy Company
2) Operator's Well Number: WVG02570 3) Elevation: 3223
4) Well type: (a) Oil / or Gas X / (b) If Gas: Production X / Underground Storage / Deep X / Shallow /
5) Proposed Target Formation(s): Oriskany 475
6) Proposed Total Depth: 10,000 feet
7) Approximate fresh water strata depths:
8) Approximate salt water depths:
9) Approximate coal seam depths:
10) Does land contain coal seams tributary to active mine? Yes / No X /
11) Proposed Well Work: Drill/Stimulate New Well
12) Deep Well

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), and CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

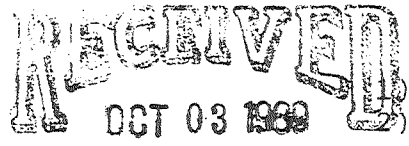
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PACKERS : Kind Sizes Depths set

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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

Page 1 of 12
Form WW2-A
(09/87)
File Copy



DIVISION OF OIL & GAS 3)
DEPARTMENT OF ENERGY

Date: July 21, 1989
Operator's well number
WVG02570
API Well No: 47 - 023 - 00025
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 United States Forest Service
Address Potomac Ranger District
Attention: Jerry Bremer
 - (b) Name _____
Address Route 3, Box 240
Petersburg, WV 26847
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name United States Forest Service
Address Potomac Ranger District
Attention: Jerry Bremer
Name Route 3, Box 240
Address Petersburg, WV 26847
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Phillip Tracy
Address P. O. Box 2536
Elkins, WV 26241
Telephone (304)-636-8798

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 Equitable Resources Exploration, a division of Equitable Resources Energy Company
By: Douglas P. Long
Its: Operations Manager - North
Address P. O. Drawer 40
Buckhannon, WV 26201
Telephone (304)472-4610

Subscribed and sworn before me this 21st day of July, 1989

Mary Jean Rylands Commissioned as Mary Jean Harper Notary Public
My commission expires February 19, 1992

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MAY 80 1991

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

From
Steve Smolder

Jamie, 5-7-91

attached plugging
application is for a well
that Equitable Res., Exp. Inc.
Drilled, there was no
completion report filed by them
w/ the state, attached are the
completion that I completed for
the state and Fed. Gov. also
the Fed Gov. approval for
plugging any question
please let me know
S/S

OK Jamie
5/23/91
at least we
received one
Thanked
Steve

RECEIVED
MAY 08 1991

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

3/29/94