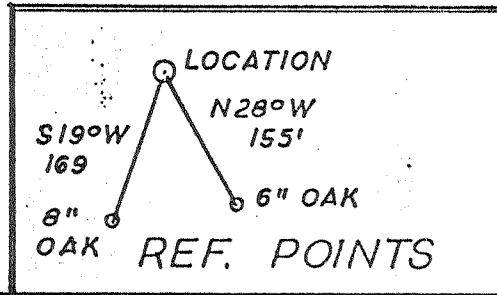
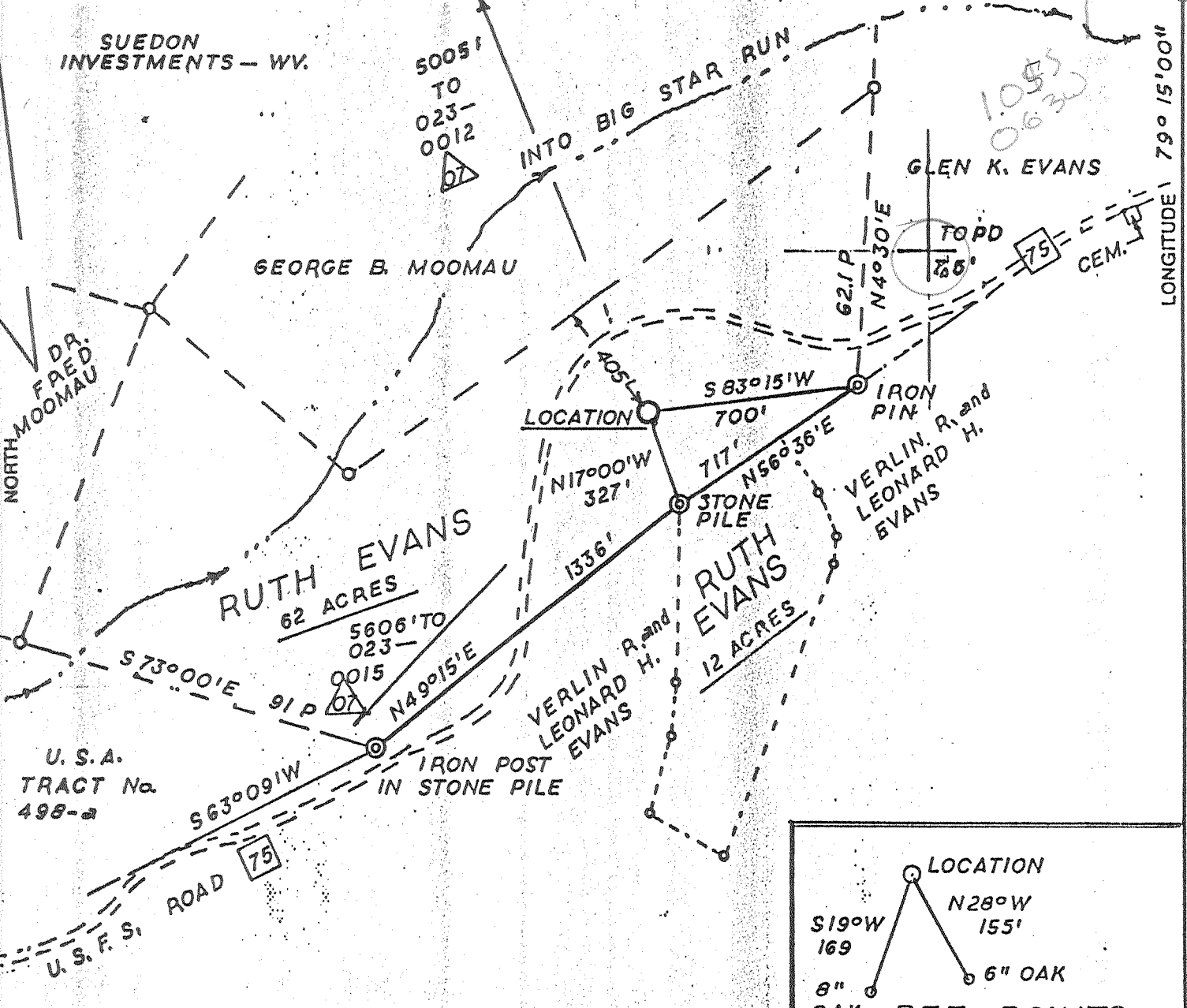


3,350'

LATITUDE 39° 05' 00"

NOTE: ALL OR PARTS OF ADJACENT PROPERTIES TO BE WITHIN DRILLING UNIT.



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

FILE NO. U.D.I. - 4 - 61
 DRAWING NO. 87 - 5
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. S. SIDE ROAD 3400' S.W. OF LOC.

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 MARCH 13, 1987
 OPERATOR'S WELL NO. 2533
 API WELL NO. 47 023 00018

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP X SHALLOW _____
 LOCATION: ELEVATION 2290 WATER SHED BIG STAR RUN
 DISTRICT UNION 3 COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 255 034 9 Davis SE
 SURFACE OWNER RUTH EVANS ACREAGE 62
 OIL & GAS ROYALTY OWNER RUTH EVANS LEASE ACREAGE 74
 LEASE NO. 180784 COLUMBIA
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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 8650'
 WELL OPERATOR Equitable Resources Exploration, Inc. AGENT DOUGLAS P. TERRY.
 ADDRESS P. O. DRAWER 40 ADDRESS BUCKHANNON, WV. 26201 1800

COUNTY NAME GRANT
 PERMIT 0018

DEEPWELL 3-6 Jordan Run (370) APR 10 1988

AS 4/21/87

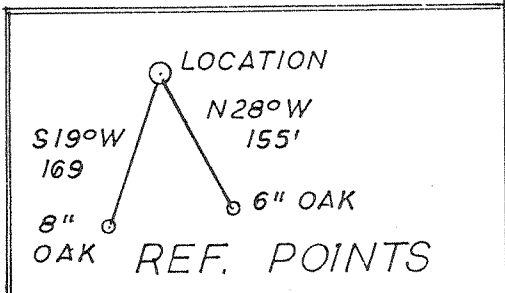
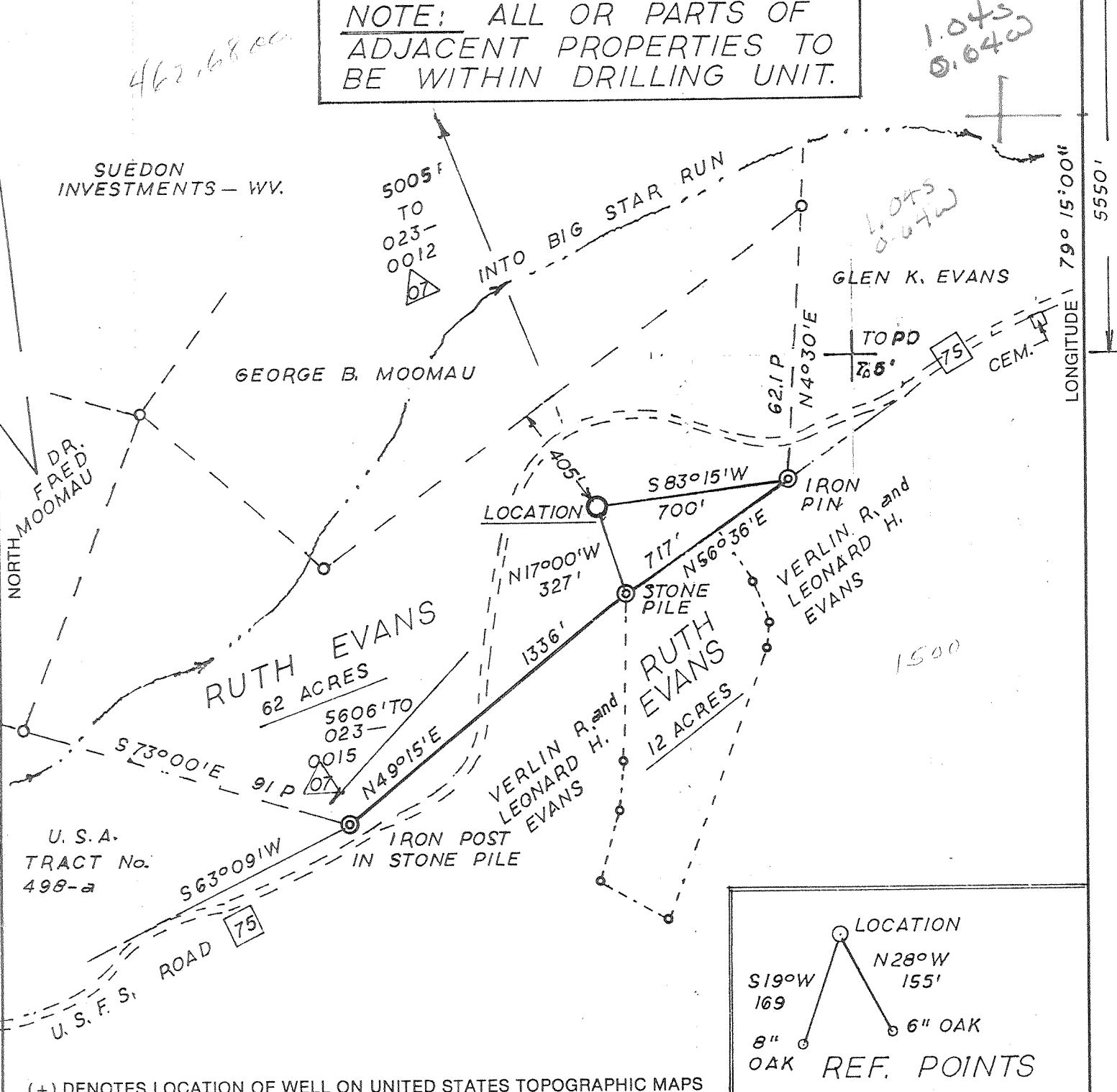
0018

Issued: 9/23/87

3350'

LATITUDE 39° 05' 00"

NOTE: ALL OR PARTS OF ADJACENT PROPERTIES TO BE WITHIN DRILLING UNIT.



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

FILE NO. U.D.I.- 4-61
 DRAWING NO. 87-5
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. S. SIDE ROAD 3400' S.W. OF LOC.

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 MARCH 13, 1987
 OPERATOR'S WELL NO. 2533
 API WELL NO. 47-023-0018

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2290 WATERSHED BIG STAR RUN
 DISTRICT UNION 3 COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB 255 034 569
 SURFACE OWNER RUTH EVANS ACREAGE 62
 OIL & GAS ROYALTY OWNER RUTH EVANS LEASE ACREAGE 74
 LEASE NO. 180784 COLUMBIA

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

APR 27 1987

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8100'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH C. PETTEY
 ADDRESS P. O. DRAWER 40 ADDRESS SAME
BUCKHANNON, WV. 26201 (deep well)

COUNTY NAME GRANT
 PERMIT _____

FORM WW-6 H.T. HALL 4-8673

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

Well Operator's Report of Well Work

Farm name: EVANS, RUTH Operator Well No.: 2533

LOCATION: Elevation: 2290.00 Quadrangle: BLACKBIRD KNOB

APR 11

District: UNION County: GRANT
 Latitude: 5550 Feet South of 39 Deg. 5 Min. 0 Sec.
 Longitude 3350 Feet West of 79 Deg. 15 Min. 0 Sec.

Company: EQUITABLE RESOURCES EXPLORATION, INC.

P. O. DRAWER 40
 BUCKHANNON, WV

Casings & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
13 3/8"	28	28	
8 5/8"	1510.35	1510.35	761 CF
5 1/2"	8559.03	8559.03	949.75 CF

Asent: Douglas P. Terry

Inspector: PHILLIP TRACY
 Permit Issued: 04/15/88

Well work Commenced: 10-4-88

Well work Completed: 11-3-88

Verbal Plugging

Permission granted on: _____

Rotary Cable _____ Rig

Total Depth (feet) 8602'

Fresh water depths (ft) 60', 1307'

Salt water depths (ft) None

Is coal being mined in area (Y/N)?

Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 8010
 Gas: Initial open flow 582 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 5865 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 6 Hours
 Static rock Pressure 2100 psig (surface pressure) after 72 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: EQUITABLE RESOURCES EXPLORATION, INC.

By: Douglas P. Terry
 Date: April 10, 1989

11/12/88 - Halliburton acidized with 2000 gallons 5% Fe Acid, RTTS Packer set @ 7859'.

2/7/89 - Halliburton fracked with 200,000 lbs. 20/40 sand, 13,200 lbs. 80/100 sand and 210,000 Scft N2.

Perforations: 7929' - 8010', Oriskany Sandstone.

Harrell Shale	6714'
Upper Marcellus	7526'
Purcell	7547'
Lower Marcellus	7615'
Tioga Metabentonite	7661'
Needmore	7683'
Oriskany Sandstone	7795'
Helderberg L.S.	8016'
Shriver Chert	8196'
Mandata Shale	8243'
Corriganville	8262'
Keyser Group 497	8346 to TD 8602'

8602
8016
586 apt. ft.

6794

FORM WV-2 (B) RECEIVED APR 20 1987



1) Date: April 14, 19 87
2) Operator's Well No. 2533
3) API Well No. 47 State 023-0018 County Permit

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

- 4) WELL TYPE: A Oil / Gas X /
B (If "Gas", Production X / Underground storage / Deep X / Shallow /)
5) LOCATION: Elevation: 2290 Watershed: Big Star Run
District: 593 Union 3 County: Grant 23 Quadrangle: Blackbird Knob 255
6) WELL OPERATOR Union Drilling CODE: 50550 7) DESIGNATED AGENT Joseph C. Pettey
Address Post Office Drawer 40 Buckhannon, WV 26201
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Phillip Tracy Address Post Office Box 2536 Elkins, WV 26241
9) DRILLING CONTRACTOR: Name Union Drilling, Inc. Address Post Office Drawer 40 Buckhannon, WV 26201
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, Oriskany
12) Estimated depth of completed well, 8300 feet
13) Approximate strata depths: Fresh, feet; salt, feet.
14) Approximate coal seam depths: Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Operations, Top, Bottom). Includes handwritten entries like 'as needed', '1500', '8200', 'CTS as required', '820 SKS OR AS REQUIRED BY RULE 15.05'.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-023-0018 Date April 23, 19 87

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 April 23, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee, WPCP, S&E, Other. Includes handwritten checkmarks and numbers like '18', '18', '4778', '196'.

NOTE: Keep one copy of this permit posted at the drilling location.
John H. Johnston, Director, Division of Oil and Gas
See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

023-18 Renewed

Issued 4/15/89
Expires 4/15/90

FORM WW-2B

Page ___ of ___

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, 255
- 2) Operator's Well Number: 2533 3) Elevation: 2290
- 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: 8650 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 ___ /
- 11) Proposed Well Work: Drill/Stimulate
- 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	20			as needed	as needed	
Fresh Water						
Coal						38CSR10-11.3
Intermediate	9 5/8	N-80	36 & 40	1500	1500	as required
Production	5 1/2	N-80	17	8550	8550	38CSR10-11.1 to surface
Tubing						
Liners						

Cement to Surface

RECEIVED
MAR 24 1988

PACKERS : Kind _____
Sizes _____
Depths set _____
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond 50 Blanket Agent
(Type)

6794
258
7

RECEIVED
MAR 24 1988

Page 1 of 30
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: March 7, 1988
Operator's well number
2533
API Well No: 47 - 023 - 00018-REN.
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 SEE ATTACHED EXHIBIT
Address _____
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Phillip Tracy
Address P. O. Box 2536
Elkins, WV 26241
Telephone (304)-636-8798

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name SEE ATTACHED EXHIBIT
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
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
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, Inc.
 By: Douglas T. Jany
 Its: Operations Manager
 Address P. O. Drawer 40
Buckhannon, WV 26201
 Telephone 304-472-4610

Subscribed and sworn before me this 7th day of March, 19 88

Mary Jean Haysen Rlands Notary Public
 My commission expires February 19, 1992