



COAL OWNERSHIP:
 HILLMAN COAL CO.
 170 THOMPSON DR. SUITE F
 BRIDGEPORT, W.VA. 26330

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1050'± N.E. OF LOCATION, ELEV = 1617

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. Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 19, 19 81
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
47 - 091 - 0234
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION STORAGE _____ DEEP SHALLOW _____
 LOCATION ELEVATION 1422 WATER SHED BRANCH OF LOST RUN
 DISTRICT BOOTH'S CREEK COUNTY TAYLOR
 QUADRANGLE FAIRMONT EAST 7.5' FAIRMONT 13' B
 SURFACE OWNER RICHARD MASON HESS, et al. ACREAGE 87.23
 OIL & GAS ROYALTY OWNER JOHN L. MASON, et ux. LEASE ACREAGE 103
 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 ORISKANY ESTIMATED DEPTH 7800
 WELL OPERATOR FOX DRILLING CO. DESIGNATED AGENT MR. ROBERT E. FOX FEB 10 1982
 ADDRESS P.O. BOX 129 ADDRESS P.O. BOX 129
GLENVILLE, W.VA. 26351 GLENVILLE, W.VA. 26351

Deep Well



Date 5/20/82
 Operator's _____
 Well No. One
 Farm Hess
 API No. 47-091-0234 -

RECEIVED
 JUL 19 1982
 OIL AND GAS DIVISION
 DEPARTMENT OF MINES

State of West Virginia
 Department of Mines
 Oil and Gas Division

WELL OPERATOR'S REPORT
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1422 Watershed Branch of Lost Run
 District: Booth Creek County Taylor Quadrangle Fairmont East

COMPANY Fox-Drilling Co. Inc.
 ADDRESS Glenville, WV 26351
 DESIGNATED AGENT Robert E. Fox
 ADDRESS Glenville, WV 26351
 SURFACE OWNER R.M. Hess Etal
 ADDRESS Wheeling WV
 MINERAL RIGHTS OWNER John Mason Etal
 ADDRESS Martinsburg WV
 OIL AND GAS INSPECTOR FOR THIS WORK William Blosser ADDRESS Colfax WV
 PERMIT ISSUED 1-18-82
 DRILLING COMMENCED 1-30-82
 DRILLING COMPLETED 1-13-82

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1333	1333	to surface
7			
5 1/2			
4 1/2		7557	5900'
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Oriskany Depth 8000 feet
 Depth of completed well 7589 7574 feet Rotary ~~xxxxx~~ / Cable Tools _____
 Water strata depth: Fresh 27 feet; Salt _____ feet
 Coal seam depths: 266, 317 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Huntersville Chert-Oriskany ~~Pay zone~~ depth 7350-7520 feet
 Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow 750 Mcf/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 4 hours
 Static rock pressure 3400 psig (surface measurement): after 48 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 26 1982

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

Oriskany, Huntersville--700 Gal 28% HCL, (60,000# 80-100) (40,000# 20-40)
7350-7520

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 & Shale			0	266	Fresh water 1/2" at 27'
Coal			266	268	
Sand & Shale			268	317	
Coal			317	320	
Sand, Shale, & Red Rock			320	1012	
Big Lime			1012	1170	
Sand & Shale			1170	1640	
50' Sand			1640	1650	
Sand & Shale			1650	2830	
Lower Speechly			2830	2850	
Sand & Shale			2850	4140	
Benson			4140	4190	
Sand & Shale			4190	4520	
2nd Elk			4520	4530	
Sand & Shale			4530	4940	
3rd Elk			4940	4950	
Sand & Shale			4950	6260	
Sycamore Grit			6260	6290	
Sand & Shale - Harrell			6290	6950	
Tulley Lime			6950	7010	
Sand & Shale Mahantango			7010	7200	
Marcellus Shale			7200	7300	
Onondaga Lime			7300	7310	
Huntersville Chert			7310	7500	
Oriskany Sandstone			7500	7560	
Helderberg Lime			7560	7594 TD	

7594 base Inj
~1225 expln. Ft.
6369

(Attach separate sheets as necessary)

Fox Drilling Co. Inc.

Well Operator

By: 

Date: 5/20/82

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 those encountered in the drilling of a well."



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas xxx /

(If "Gas", Production xxx / Underground storage ___ / Deep xxx / Shallow ___ /

LOCATION: Elevation: 1422 Watershed: Branch of Lost Run
District: Booth Creek County: Taylor Quadrangle: Fairmont East 7.5

WELL OPERATOR Fox Drilling Co. Inc.
Address P.O. Box 129
Glenville, W.V. 26351

DESIGNATED AGENT Robert E. Fox
Address P.O. Box 129
Glenville, W.V. 26351

OIL AND GAS ROYALTY OWNER John L. Mason et al
Address Martinsburg, W.V.

COAL OPERATOR _____
Address _____

Acreage 103
Richard Mason Hess et al
SURFACE OWNER Lester Clay Hess et al
Address 1226 Champlaine St.
Wheeling, W.V. 22003
Acreage 87.23

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Hillman Coal CO.
Address 170 Thompson Dr. Suite F
Bridgeport, W.V. 26330
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Unknown
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME William Blosser
Address P.O. Box 1028
Colfax, W.V. 26566
Telephone 363-9105

RECEIVED
JAN 18 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease xxx / other contract xxx / dated 19 June, 19 81, to the undersigned well operator from John L. Mason and Virginia Mason.
(If said deed, lease, or other contract has been recorded:)

Recorded on 29 June, 19 81, in the office of the Clerk of County Commission of Taylor County, West Virginia, in 35 Book at page 376. A permit is requested as follows:

PROPOSED WORK: Drill xxx / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Fox Drilling Co. Inc.
Well Operator
By: Robert E. Fox
Its: President

BLANKET BOARD

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Fox Drilling Co. Inc.

Address P.O. Box 129
Glenville, W.V. 26351

GEOLOGICAL TARGET FORMATION ORISKANY

Estimated depth of completed well 7800 feet. Rotary xxx / Cable tools /
Approximate water strata depths: Fresh, 300-500 feet; salt, feet.
Approximate coal seam depths: 750
Is coal being mined in this area: Yes / No xxx /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	20"					20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8					1051'	1051'	To Surface	
Production Tubing	4 1/2					7800'	7800'	1000 SKS	Depths set
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 9-22-82.

J. E. Huggins
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner ✓ / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 10/23, 1981.

HILLMAN COAL Co.
By: Daniel Mahony
Its: CHIEF ENGINEER