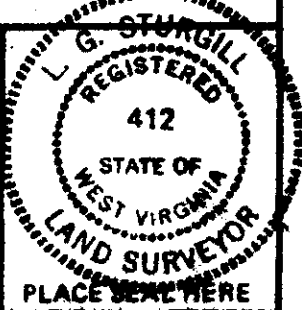


Note: This survey is tied into the Armco Steel Corp. coordinate system.

FILE NO. W75-2 W.O. 309
 DRAWING NO. D-189
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1/37,753'
 PROVEN SOURCE OF ELEVATION R.R. Spike in 6" sec. stp. on west side of Hazy Ck. Rd. near well BL-1. Elev. 1042.97

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) L.G. Sturgill
 R.P.E. _____ L.L.S. 412



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



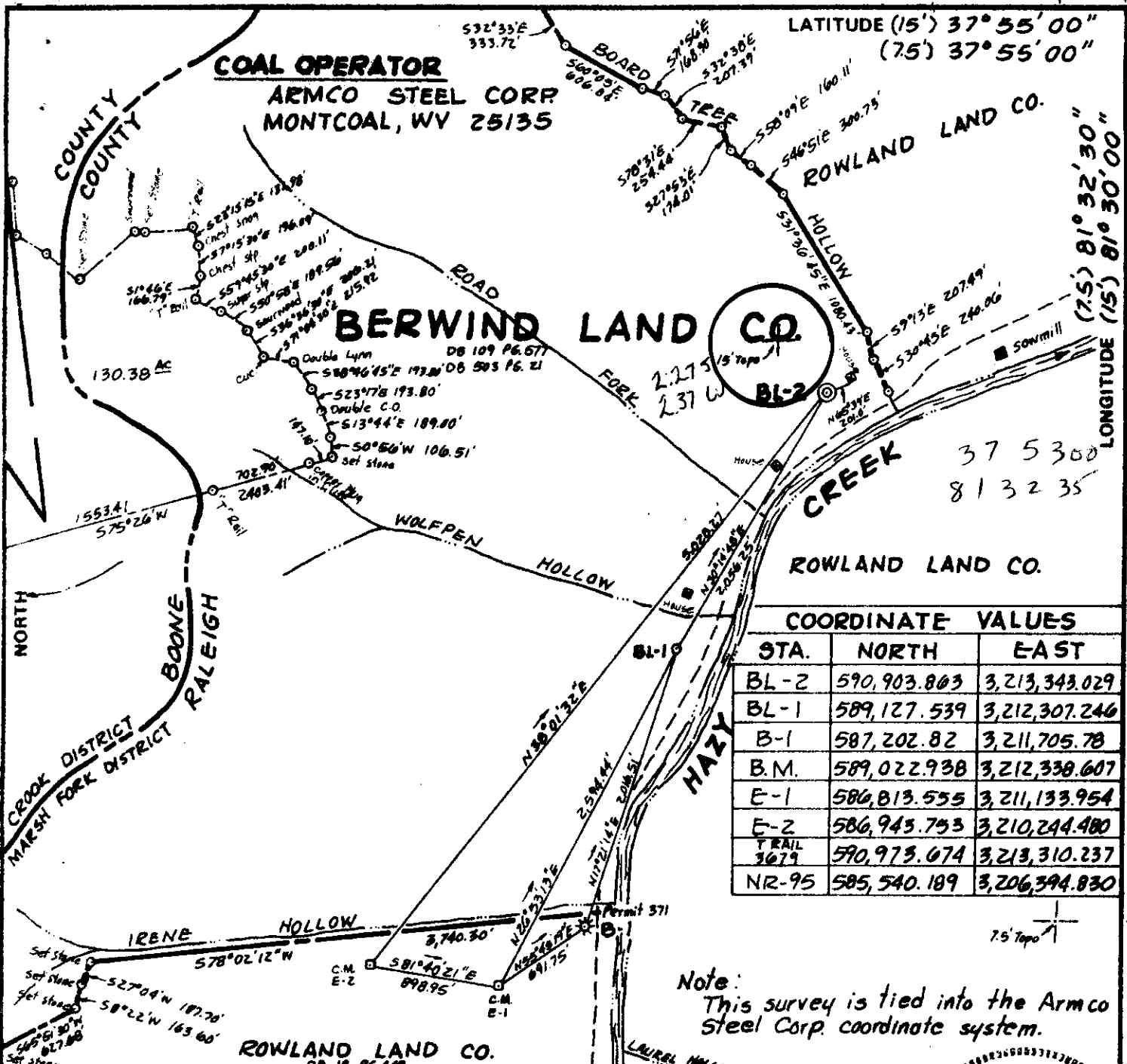
DATE SEPTEMBER 27 1979
 OPERATOR'S WELL NO. 2
 API WELL NO. 47-081-0517-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1042.97 WATER SHED HAZY CREEK OF MARSH FORK
 DISTRICT MARSH FORK COUNTY RALEIGH
 QUADRANGLE 7.5 WHITESVILLE 15' BALD KNOB EC
 SURFACE OWNER BERWIND LAND COMPANY ACREAGE _____
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8.044
 LEASE NO. 8579
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___ 11/21/79
 TARGET FORMATION WEIR ESTIMATED DEPTH 2780'
 WELL OPERATOR TEXAS INTL. PET. CORP. DESIGNATED AGENT JAMES M. BLANTON
 ADDRESS 3535 N.W. 50th ST. - OKLA. CITY, OK 73112 ADDRESS 740 ONE VALLEY SQUARE CHARLESTON, WY 25301

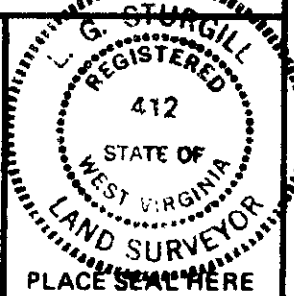




Note: This survey is tied into the Armco Steel Corp. coordinate system.

FILE NO. W75-2 W.O. 309
 DRAWING NO. D-189
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1"/37,753'
 PROVEN SOURCE OF ELEVATION R.B. Spike in 6" syc. stp. on west side of Hazy Cr. Rd. near well BL-1. Elev. 1042.390

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) J. G. Sturgill
 R.P.E. _____ L.L.S. 412



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

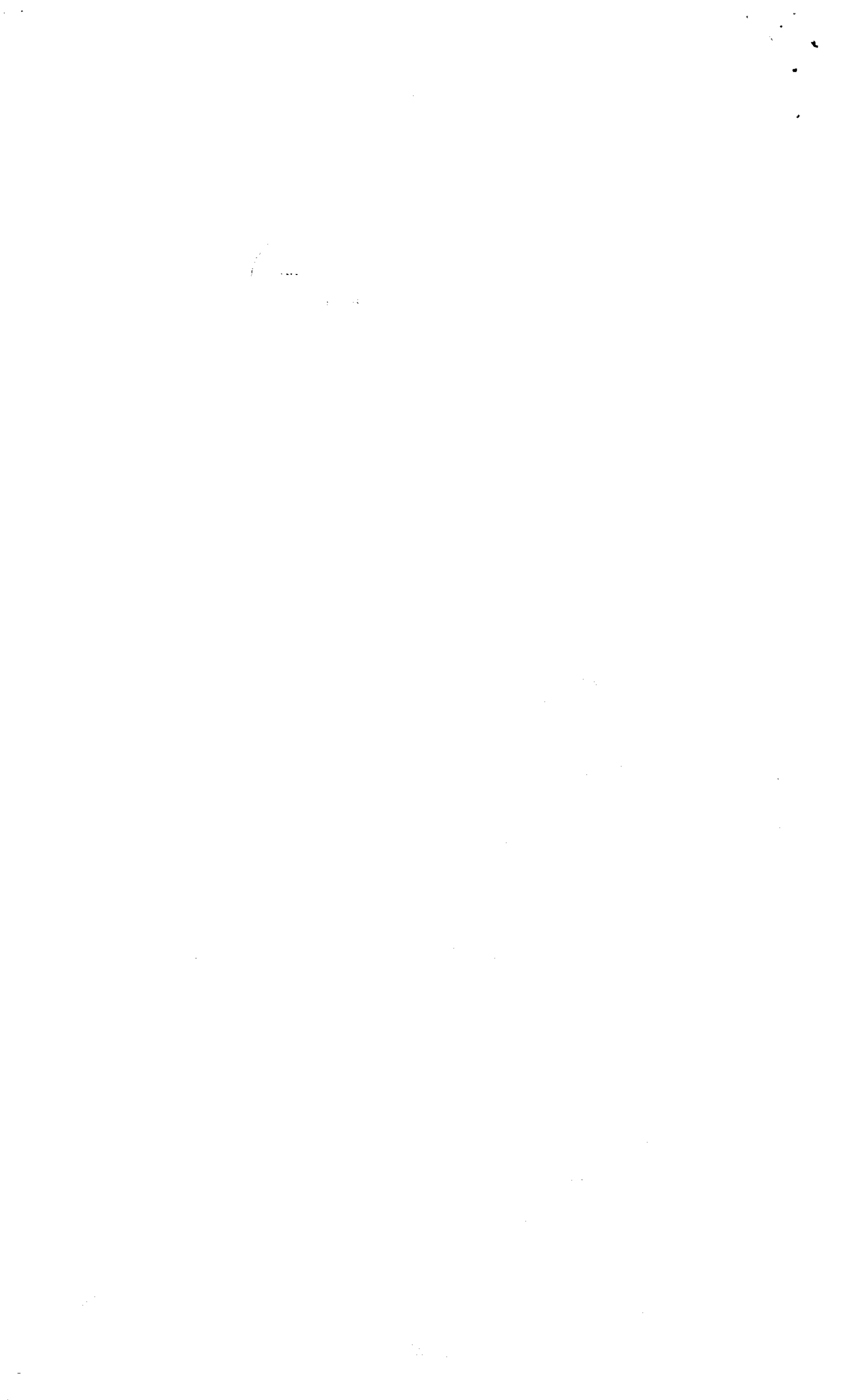


DATE SEPTEMBER 27, 1979
 OPERATOR'S WELL NO. 2
 API WELL NO. _____
47 - 081 - 0517
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1042.97 WATER SHED HAZY CREEK OF MARSH FORK
 DISTRICT MARSH FORK COUNTY RALEIGH
 QUADRANGLE ZS' WHITESVILLE 15' BALD KNOB EC
 SURFACE OWNER BERWIND LAND COMPANY ACREAGE _____
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8.044
 LEASE NO. 8579
 PROPOSED WORK: DRILL X 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 WEIR ESTIMATED DEPTH 2780' NOV 6 1979
 WELL OPERATOR TEXAS INTL. PET. CORP. DESIGNATED AGENT JAMES M. BLANTON
 ADDRESS 200 NATIONAL FOUNDATION CENTER ADDRESS 740 ONE VALLEY SQUARE
3535 N.W. 50th ST. - OKLA. CITY, OK 73112-0 CHARLESTON, WV 25301



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

Date November 28, 1979

FORM IV-35
(Obverse)

Operator's
Well No. Berwind Land #2

(08-78)

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

API Well No. 42-081-0517
State County Perm

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

LOCATION: Elevation: 1042.97 Watershed: Hazy Creek of Marsh Fork
District: Marsh Fork County: Raleigh Quadrangle: 7.5' Whitesville
15' Bald Knob

WELL OPERATOR Texas International Petroleum Corp. DESIGNATED AGENT James M. Blanton
Address 3535 N. W. 58th Street Address Suite 740, One Valley Square
Oklahoma City, Oklahoma 73112 Charleston, West Virginia 25301

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

PERMIT ISSUED ON October 17, 1979 OIL & GAS INSPECTOR FOR THIS WORK:
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name Leroy Hopkins
Address Ansted, West Virginia
November 21, 1979

GEOLOGICAL TARGET FORMATION: Weir Depth 2630'
Depth of completed well, 2784 feet Rotary / Cable Tools
Water strata depth: Fresh 40, 80, 390 feet salt, 1769 feet.
Coal seam depths: 5-8, 15-18, 52-154, 390-394,
587-589 Is coal being mined in the area? No
Work was commenced November 12, 1979, and completed November 21, 1979.

Casing and Tubing Program

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-IN OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used		
Conductor	16"			X		14'	None
	11-3/4"			X		74'	None
Production	8-5/8"			X		957'	Cemented to surface.
Intermediate							Sizes
Production	---			---		---	Depth set
PIPE							
TEETS							

RECEIVED
DEC - 3 1979

OPEN FLOW DATA
Producing formation None Pay zone depth _____
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 0 Mcf/d 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
[If applicable for multiple completion--]
Second producing formation _____ Pay zone depth _____
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 measurement) after _____ hours shut in

OIL & GAS DIVISION
DEPT. OF MINES

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

Remarks including indication of all fr and salt water, coal, oil and

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks
Dirt	Brown	Soft	0	5	
Coal	Black	Soft	5	8	
Sand	Gray	Medium	8	15	
Coal	Black	Soft	15	18	
Sand	White	Hard	18	40	Water @ 40'
Shale	Black	Soft	40	74	
Sand & Shale	Black/Gr.	Soft	74	152	Water @ 80'
Coal	Black	Soft	152	154	
Sand & Shale	Black/Gr.	Soft	154	211	
Sand	Gray	Hard	211	248	
Sand & Shale	Brown	Medium	248	390	
Coal	Black	Soft	390	394	Water @ 390'
Sand & Shale	Black/Gr.	Medium	394	400	
Sand	Gray	Hard	400	587	
Coal	Black	Soft	587	589	
Sand	Gray	Hard	589	841	
Shale	Brown	Soft	841	880	
Sand	Gray	Hard	880	1012	
Sand & Shale	Gray/Brn.	Medium	1012	1218	
Sand	Gray	Medium	1218	1315	
Shale	Brown	Soft	1315	1433	
Avis Lime	Gray	Hard	1433	1468	
Red Rock	Red	Soft	1468	1516	
Shale	Gray	Soft	1516	1523	
Upper Maxton	Gray	Hard	1523	1568	
Shale	Black	Soft	1568	1707	
Maxton Sand	White	Hard	1707	1806	Water @ 1769'
Sand & Shale	White/Brn	Medium	1806	1987	
Lower Lime & Shale	White/Blk	Medium	1987	2050	
Shale	Brown	Soft	2050	2060	
BIG Lime	White	Hard	2060	2060	
Shale	Dark	Soft	2060	2415	Gas test @ 2415' - no show.
Upper Weir	---	---	2415	2503	
Shale	---	---	2503	2560	
Shale	---	---	2560	2630	Gas test @ 2564' - smell.
Lower Weir	---	---	2630	2666	Gas test @ 2691' - smell.
Shale	---	---	2666	2784	T.D. Gas test - smell.

(Attach separate sheets to complete as necessary)

Texas International Petroleum Corporation

Well Operator

James M. Blanton

By James M. Blanton

Its Division Manager

Notes: (The term "log" or "well log" shall mean a separate, detailed listing of all formations, including the measurements in the drilling of a well.)

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. Berwind Land #2
API Well No. 47 - 081 - 0517
State County Permit

WELL TYPE: O11 / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1042.97 Watershed: Hazy Creek of Marsh Fork
District: Marsh Fork County: Raleigh Quadrangle: 7.5' Whitesville
15' Bald Knob

WELL OPERATOR Texas International Petroleum Corp. DESIGNATED AGENT James M. Blanton
Address 3535 N. W. 58th Street, Suite 300 Address Suite 740, One Valley Square
Oklahoma City, Oklahoma 73112 Charleston, West Virginia 25301

OIL & GAS ROYALTY OWNER Berwind Land Company
Address 1150 One Valley Square
Charleston, West Virginia 25301

COAL OPERATOR Armco Steel Corporation
Address: Montcoal, West Virginia 25135

ACREAGE 8,044
SURFACE OWNER Berwind Land Company
Address 1150 One Valley Square
Charleston, West Virginia 25301
ACREAGE 8,044

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

RECEIVED
OCT 17 1979

FIELD SALE (IF MADE) TO:
Name _____
Address _____

OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Leroy Hopkins
Address 658-4280

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated August 14, 1979, to the undersigned well operator from Berwind Land Company

[If said deed, lease, or other contract has been recorded:] Lease has not been recorded.
Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET SIGNATURE

Texas International Petroleum Corporation
Well Operator
By James M. Blanton (h)
James M. Blanton
Its Division Manager

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Appalachian Drilling Company
Address Suite 333-Morrison Building
Charleston, West Virginia 25301

GEOLOGICAL TARGET FORMATION, Weir

Estimated depth of completed well, 2,780 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 900 feet; salt, feet.

Approximate coal seam depths: none indicated Is coal being mined in the area? Yes / No X /

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	11-3/4		42	x		25'	25'	None	Kinds
Fresh water	8-5/8"		24	x		950'	950'	Cement to surface	
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5	x		2780'	2780'	100 sacks	Depths set
Tubing									
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 included 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 6/17/80.

[Signature]
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 X / 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: 11-15, 1979

By [Signature]
Its Appalachian Drilling Co.