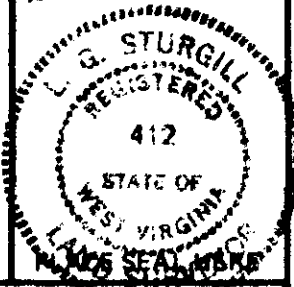


COAL OPERATOR
ARMCO STEEL CORP.
MONTCOAL, WV 25135

FILE NO. W75-2 W.O. No. 325
 DRAWING NO. D-213
 SCALE 1" = 2,000'
 MINIMUM DEGREE OF ACCURACY 1" / 10,000'
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM 63 AFK
Elevation given as 2380.559

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 FEBRUARY 7 1980
 OPERATOR'S WELL NO. 7
 API WELL NO. 47-005-1278
 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 ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1737.0 WATER SHED ROCK LICK BRANCH OF MATTS CREEK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE (7.5') PILOT KNOB (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 3500
 WELL OPERATOR TEXAS INT'L 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 CHARLESTON, WV 25301



-----◆-----

State

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

Date May 9, 1980

FORM IV-35
(Obverse)

Operator's
Well No. Berwind Land #7

(08-78)

WELL OPERATOR'S REPORT
OF

API Well No. 47-005-1278
State County Ferr

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1738.8 Watershed: Rock Lick Branch of Motts Creek
District: Crook County: Boone Quadrangle: 7.5' Pilot Knob
15' Bald Knob

OPERATOR Texas International Petroleum Corp. DESIGNATED AGENT James M. Blanton
Address Suite 740, One Valley Square Address Suite 740, One Valley Square
Charleston, West Virginia 25301 Charleston, West Virginia 25301

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

REPORT ISSUED ON February 14, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Arthur St. Clair
Address P. O. Box 157
Brenton, West Virginia 24818

LOGICAL TARGET FORMATION: Weir Depth 3220 feet

Depth of completed well, 3503' feet Rotary / Cable Tools

Water strata depth: Fresh, 57,550 feet; salt, _____ feet.

Coal seam depths: 131-134', 350-354' Is coal being mined in the area? No

Work was commenced February, 1980, and completed March 19, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Drill pipe	16"			X		33'	33'	None
	11-3/4"		42#	X		387'	387'	
Shower water	8-5/8"		24#	X		1621'	1621'	Cemented to surface.
Intermediate								Sizes
Production	4 1/2"		10.5#	X		3499'	3499'	Cemented w/100 sacks. Depth set
Logging								Preparations:
Tools								Dep. Bottom

RECEIVED
MAY 16 1980

OIL & GAS DIVISION
DEPT. OF MINES

PRODUCTION FLOW DATA

Producing formation Weir Pay zone depth 3361-3399 feet

Gas: Initial open flow, N/M Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, 2210 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 8 hours

Static rock pressure, 700 psig (surface measurement) after 24 hours shut in.

(If applicable for multiple completion--)

Second producing formation None Pay zone depth _____ feet

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

JUN 16 1980

[08-78]

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

Perforated 3226-~~2042~~' , 1 shot per foot, total 17 shots. Spotted 500 gal. 15% HCl. Loaded hole. Broke formation w/800 PSI. Fraced w/30,000# 80/100 sand and 59,640# 10/20 sand, 757 bbls. fluid. Maximum sand concentration 6½ PPG. AIR-24 BPM. AIP-1144 PSI. ISIP-900 PSI, 5 minutes-550 PSI, 15 minutes-400 PSI.

WELL LOG

FORMATION	Color	Hard or Soft	3 Top Feet	Bottom Feet	Remarks Including indication of all fr and salt water, coal, oil and
Surface Sand			0	22	
Sand			22	131	H ₂ O @ 55'.
Coal			131	134	Coal
Sand & Shale			134	272	
Sand			272	288	
Sand & Shale			288	327	
Sand			327	350	
Open Mine			350	354	Coal
Sand & Shale			354	540	
Sand			540	586	H ₂ O @ 550'.
Sand & Shale			586	669	
Sand			669	706	
Sand & Shale			706	928	
Sand			928	1005	
Sand & Shale			1005	1033	
Sand			1033	1287	
Sand & Shale			1287	1320	
Sand			1320	1344	
Sand & Shale			1344	1408	
Sand			1408	1632	
Sand & Shale			1632	1641	
Sand			1641	1750	
Sand & Shale			1750	1780	
Sand			1780	1813	
Sandy Shale			1813	2070	
Sand			2070	2105	
Sand & Shale			2105	2145	
Avis Lime			2145	2178	
Sand, Shale, Red Rock			2178	2196	
Sand			2196	2258	
Sand, Shale, Red Rock			2258	2295	
Sand & Shale			2295	2329	
Upper Maxton Sand			2329	2545	
Maxton Sand			2545	2606	Smell gas @ 2550'.
Little Lime			2606	2798	
Big Lime			2798	3112	

(Attach separate sheets to complete as necessary)

Well Operator _____

By _____

Its _____

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed

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

WELL LOG

FORMATION	Color	Hard or Soft	3		Remarks Including indication of all f and salt water, coal, oil and
			Top Feet	Bottom Feet	
Injun Sand			3112	3150	
Sand & Shale			3150	3220	
Upper Weir			3220	3280	
Sand & Shale			3280	3361	Gas check @ 3293', 30/10 thru
Lower Weir			3361	3399	2".
Sand & Shale			3399	3503	T.D. Gas check # 3503', 20/1

(Attach separate sheets to complete as necessary)

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

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed

MAY 16 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 14 1980

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner Berwind Land Company
Address 1150 One Valley Sq., Chas., WV 25301
Mineral Owner Berwind Land Company
Address 1150 One Valley Sq., Chas., WV 25301
Coal Owner Berwind Land Company
Address 1150 One Valley Sq., Chas., WV 25301
Coal Operator Armco Steel Corporation
Address Montcoal, WV 25135

DATE February 8, 1980
Company Texas International Petroleum Corp.
Address 740 One Valley Sq., Charleston, WV 25301
Farm Berwind Land Acres 8,044
Location (waters) Rock Lick Branch of Matts Creek
Well No. 7 Elevation 1737.8
District Crook County Boone
Quadrangle Pilot Knob (7.5')
Bald Knob (15')

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 10-15-80.

INSPECTOR TO BE NOTIFIED A. St. Clair
ADDRESS _____
PHONE 732-6227

Robert L. [Signature]
Deputy Director, Oil & Gas Division

GENTLEMEN:
The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated August 14 1979 by Berwind Land Company made to Texas International and recorded on the 24th day of October 1979, in Boone County, Book 21 Page 806

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Suite 740, One Valley Square
Street
Charleston
City or Town
West Virginia 25301
State

Very truly yours, James M. Blante
(Sign Name) Texas International Petroleum Corp.
Well Operator

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-005-1278 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by James M. Blante

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Falcon Drilling Company NAME James M. Blanton
 ADDRESS 2030 Kan. Blvd., E., Chas., WV ADDRESS 740 One Valley Sq., Chas., WV
 TELEPHONE 343-0542 TELEPHONE 345-3430
 ESTIMATED DEPTH OF COMPLETED WELL: 3500 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Weir
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20x10 11-3/4"	500'	500'	None
13 - 10			
9 - 5/8			
8 - 5/8	1580'	1580'	Cement to surface
7			
5 1/2			
4 1/2	3500'	3500'	Cement w/100 sacks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS none FEET none SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 167-170', 272-275', 391-395', 606-610'
 IS COAL BEING MINED IN THE AREA? yes BY WHOM? Armco Steel Corporation

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Armco Steel ~~Coal~~ Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Armco Steel ~~Coal~~ Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

Clayton J. Conroy
 For Coal Company
W. Mining Edge
 Official Title