

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

Dates January 15 Operator's

FORM IV-35 (Obverse)

Well No.Berwind Land Co. #1

[08-78]

WELL OPERATOR'S REPORTION API WE DHILLING, PRACTURING AND/OR STIMULATING, OR PRESIDED CHANGE

API Wel 40. 47 - 081 0516 Change State County Peer

							/ Waste Di			
								Deep/ S		
								of Marsh Fork 7.5' adrangle: 15'	Whitesville Bald Knob	
									. Blanton	
							Address _	Suite 740,	One Valley Square	
	Oka]	Lhoma	City, C	klah	oma 7311	2	-	Charleston	, West Virginia 253	
MITTED WOR	Pì	ug off	old to	rmati	lon/	Perfora	ate new format:	lon/	erupe of ottoliate _	
RMIT ISSUE	D ON	Octo	ber 17		, :9 <u>79</u>	-	Oll. & GAS INS	PECTOR FOR THIS	WORK:	
F APPLICAB							Hame Leroy	Hopkins		
CONTINU REWORK I					LLING OR BTAINED		Audress	General Delivery		
			<u>, 19</u>						t Virginia 25812	
OLOGICAL T					Weir				7.62.7	
								able Tools		
								anie loots		
							2540 rest.		!	
Coal se	am dept	ths: 2 <u>0</u>)-25',55	-60 '		Is coal b	eing mined in	the area? <u>no</u>	-	
Work wa	s comme	enced	Novembe	er 24	<u> </u>	19 79 ,	and completed	December	2	
									1	
SING AND T	UBING	PROGRA	М							
SING OR BING TYPE	Size	SPEC Grade	IFICATION Weight per ft	ONS Hew	Used For			CEMENT FILL-UP OR SACKS (Cubic feet)	B	
rauctor	16" 11-3/	I	42#	X		14 • 95 •	14' 95'	None	Elads	
	8-5/8		24#	x		1000'	1000	Cemented to		
	0.5,0				 	1000	1000	surface.	17 17 17 17 17 17 17 17 17 17 17 17 17 1	
1 i			 		 				S126 S	
<u>rmediat</u>		<u> </u>	 					Cemented w/10		
-justion	411		10.5#	X	╂╂	26921	2692'	sacks ·	twothr set	
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							JAI.	2 1980		
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EN FLOW DA	TA						OIL &	GAS DIVISION	-	
Product	ng fort	mait 1 on			Weir		DEPT	. rost a Maria Maria	2566	
Ga	s: In	itial :	open flo	. W .	N/M	Mef/d	Oil: Initial	open flow,	98.17.1	
					959			pen flow,		
	1	_	-	_				its. 4 hours		
			•							
St	Stic P	ick pr	essure,	<u>60</u>	00 ps1/	, (surface	e measurement)	after 24 his	atta Snut of	
$\{ff, app$	licabl	e tuc	to multi	ipte	completio					
			rmat ton						h	
G.,	s: In	1tfal	open fly	.w,_	···	Mcf/d	Oil: Initial	l open flow,	50 3 7d	
							Final o	open flow,	-6:71	
	. 1					-				
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[08-78]

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

Perforated 2566'-2576', 2 shots/ft., 21 total shots. Spotted 500 gal. 15% HCl. Loaded hole. Broke formation w/1100 PSI. Fraced w/15,000# 80/100 sand, 45,000# 30/40 sand, 10,000# 10/20 sand, 780 bbls. fluid. AIP- 37 BPM. AIP-1600 PSI. ISIP-900 PSI, 5 minutes-850 PSI, 15 minutes-800 PSI.

WELL LOG

FORMATION	Color	Hard or Soft	/s Top Heet	Hottom Feet	Agents Including indication of all froand salt water, soal, oil and
Sand	Brown	Hard	0	20	
Coal	Black	Soft	20	25	H ₂ 0 @ 21'.
Shale	Black	Soft	25	55	120 6 51
Coal	Black	Soft	55	60	
Shale	Black	Soft	60	96	<u> </u>
	, i	•	96	165	· I
Sand & Shale	GrBrn.	Medium	1 1		G11 A 1651 2451
Sand	Gray	Hard	165	269	Gas smell @ 165'-245'.
Sand & Shale	Gray	Medium	269	275	
Sand	Gray	Hard	275	284	
Sand & Shale	BlGr.	Medium	284	339	
Sand	Brown	Hard	339	394	
Shale	Black	Soft	394	401	
Sand	Gray	Hard	401	411	
Shale	Black	Soft	411	433	
Salt Sand	White	Hard	433	605	Hole wet (gas).
Salt Sand & Shale	WhBl.	Medium	605	720	
Salt Sand	White	Hard	720	848	
Salt Sand & Shale	WhBl.	Medium	848	919	
Salt Sand .	White	Hard	919	1062	Gas test @ 1025'. 44/10 thru
Shale	Dark	Soft	1062	1193	$1" H_0 0 = 69.93 MCF.$
Sand	White	Hard	1193	1481	2
Lime	White	Hard	1481	1526	
Shale	Dark	Soft	1526	1565	
Upper Maxton	White	Hard	1565	1620	
Shale	Gray	Soft	1620	1710	Gas check @ 1635'. No show.
Sand & Shale	GrWh.	Medium	1710	1761	
Lower Maxton Sand	White	Hard	1761	1862	Hole damp € 1825'
Shale	Gray	Soft	1862	2040	ilozo damp e zozo
	White	Medium	2040	2110	
Lime	Wille	Healum		2470	Gas test @ 2536'-no show.
Big Lime			2110		H ₂ 0 @ 2540'.
Shale & Sand			2470	2566	Gás test @ 2660' - smell.
Weir		1	2566	2784	Gas test @ 2800' - smell.
Shale	į		2784	2800 T	D.

(Attach separate sheets to complete as necessary)

Texas International Petroleum Corporation

James M. Blanton

Division Manager

NOTE: negalation 2.01(i) provides as follows:

"The term 'log' or 'well log' shill mean a systematio, detailed quelogist resert of all formations, including tool, encountered in the drilling of a well."

FORM IV-2 (Obverse)

TELEPHONE: (304) 348-3092

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

Date:	October	9	,	1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Opera	itor's			
Well	No. Berwind	Land	#1	
			1	1

			API Well No. 47 - 081 - 03/6 State County Permit
*	/ Gas <u>X</u> _/		•
(Ir '	"Gas", Production X / Under	ground storage/ D	eep/ Shallow_X_/)
LOCATION: Eleva	ation: <u>1086.08</u> Waters	hed: <u>Hazy Creek of Mar</u>	sh Fork
Dist	rict: <u>Marsh Fork</u> County	: Raleigh Quad	rangle: 7.5' Whitesville 15' Bald Knob
WELL OPERATOR T	exas International Petroleum	Corp. DESIGNATED AGENT	James M. Blanton
Address 3	535 N. W. 58th Street, Suite	<u>3</u> 00 Address	Suite 740, One Valley Square
0	klahoma City, Oklahoma 73112		Charleston, West Virginia 25301
OIL & GAS ROYALTY OWNER B	erwind Land Company	COAL OPERATOR	Armco Steel Corporation
Address 1	150 One Valley Square	Address	Montcoal, West Virginia 25135
C	harleston, West Virginia 253		
Acreage 8	,044	COAL OWNER(S) WI	TH DECLARATION ON RECORD:
SURFACE OWNER B	erwind Land Company	Name	hills (classes alor
	150 One Valley Square	Address	MEGAN CITY
	Charleston, West Virginia 253	_	<u> </u>
Acreage 8,	044		OCT 1 7 1979
FIELD SALE (1F M/			OH & CAS BIVISION
•)		DEPT. OF MINES
			DECLARATION ON RECORD:
//dar c 3.7			
OIL & CAS INSPEC	FOR TO BE NOTIFIED		
Name	Para IlaP	Address	NU.
	-ety photo		
Address	458-4280		•
The unc	dersigned well operator is enti	tled to operate for oil	or gas purnoses at the above
location under a	deed/ lease/ oth	er contract/ dated	August 14 , 1979 , to the
undersigned well	operator from Berwin	nd Land Company	
[If said deed, le	ease, or other contract has bee	n recorded:] Lease has	not been recorded.
Recorded on	, 19, in the of	fice of the Clerk of the	County Commission of
County, West Virg	ginia, in Book	at page	A permit is requested as follows:
PROPOSED WOF	RK: Drill X / Drill deeper_	_/ Redrill/ Pract	ure or stimulate/
	Plug off old formation	/ Perforate new forma	tion/
-	Other physical change in w	ell (specify)	
			and a home f
	planned as shown on the		
			e are hereby notified that any
			ist be filed with the Department
	fifteen (15) days after the rec	•	
	2 42		eclamation plan have been mailed
			or, coal owner(s), and coal less-
on or before the	day of the mailing or delivery	of this Permit Applicat	ion to the Department of Mines at
Charleston, West	Virginia.		
PLEASE SUBMIT COR GEOPHYSICAL LOGS		Texas Internat	ional Petroleum Corporation
WEST VIRGINIA OIL CONSERVATION 1615 WASHINGTON S	COMMISSION STREET EAST		M. Blanton (L)
CHARLESTON, WV 2	25311	By James M. B	lanton

Division Manager

PROPOSED WORK ORDER

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING COM	NTRACTO	R (IF	KNOWN)		A	ppalachian D	rilling Comp	any	
_				Addre	ss Si	uite 333-Mor	rison Buildi	ng	
					Cl	narleston, W	est Virginia	25301	
GEOLOGICAL T	'A POET	₽₽₩₩₩	TON				-		
						0000			
									Cable tools/
•							ret; salt,		v
жрргохі	mate c	oai sea	ат серті	ns: 1 <u>1</u> 9	one m	nuicated is	coal bein; mi	ned in the area	: Yes/ NoX_/
CASING AND T	UBING	PROGRAI	Ŋ					•	
CASING OR TUBING TYPE	SPECIFICATIONS			.	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS	
TODING TIFE			Weight per ft		Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	11-3/	4"	42	х		251	ļ	None	Kinds
Fresh water	8-5/8	11	24	х	<u> </u>	1000'	1000	Cement to surface	
Coal					ļļ				Sizes
Intermediate					ļ				
Production	4111		10.5	х	ļļ	2800'	2800'	100 sacks	Depths set
Tubing	 								_
Liners	ļ					·			Perforations:
	<u> </u>			ļ					Top Bottom
				ļ					
						-	<u></u>	<u> </u>	
previ the c 200 f Th where is no	onsenticet of IS PEN Fracti If edoves the Wor	require the property of the pr	n the sired by Coposed Te BE porm or stimum Intended ods, the	ame word of the control of the contr	AT TI Shall shall	the fee requirement of the top of the requirement of the requirement of the requirement of the representation	red by code 3 owner of any uired fon fra	water well or cturing or stim r which a permi	duelling within
		,		- -	-		·		
Tocation ha	r coal s to be he unde s exami on, the	lessee issue	who had withing the coal is proposed to a location done at	operation has	corded fteen ator well s been	w A I V E / owner location. If	receipt there R / lesse c mine map c mine map. 'ed. the well'	ee / / of the exists which co	coal owner the permit coal under this well vers the area of the has no objection to mplied with all
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oate:	/	<u> </u>	_, 19_7	7		•	1.11		1/1/2000
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