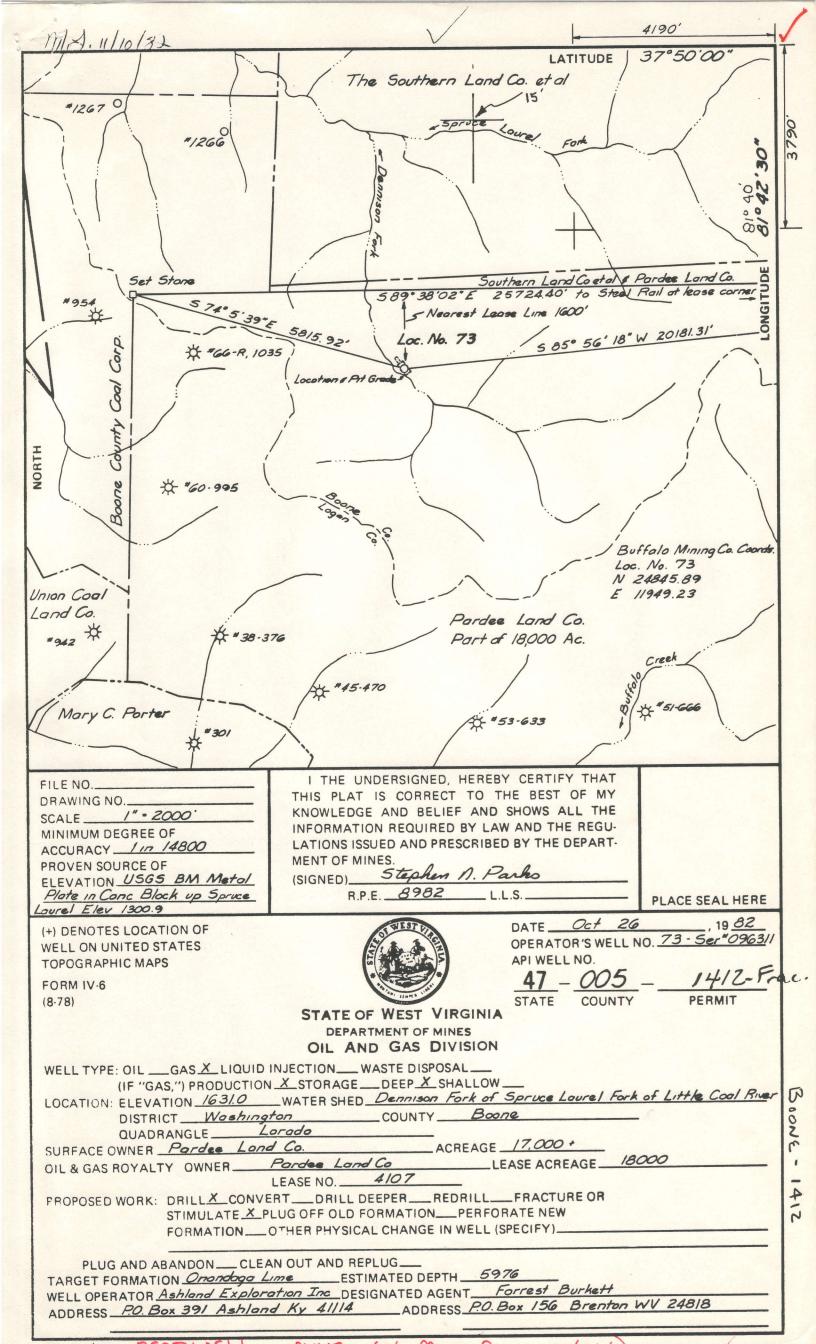


H. T. HALL

cooling 1 Colo many Marin

(211)







WR-35 Storte of Mest Birginia

DEPARTMENT OF ENERGY William Gas Division

Pate	January	28,	1986
	ator's		
Well	No.	73	ed lines
Farm	Pardee	Land	Co.
_			

API No. 47 - 005 - 1412 FRAC

(Continue on reverse side)

## WELL OPERATOR'S REPORT

### DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

IOCATION: Elevation: 1631' Watershed Den		Quadrangle	Tittle (	COAL RIVER
District: Washington County Boom	e ,		Intraut	
COMPANY Ashland Exploration, Inc.		ε.	ced 5/23/8	sb mroi
ADDRESS P. O. Box 391, Ashland, KY 41114  DESIGNATED AGENT Forrest Burkett	Casing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
ADDRESS Box 156, Brenton, WV 24818  SURFACE OWNER Pardee Land Co.	Size 20-16 Cond.	* 38'	38'	15 sks
ADDRESS 1512 Two Girard Plaza, Philadelphia, PA	13-10"	* 438'	4381	240 sks
MINERAL RIGHTS OWNER Pardee Land Co. 19102  ADDRESS 1512 Two Girard Plaze, Philadelphia, PA	9 5/8			
19102	8 5/8	* 2367'	*2367'	425 sks
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Holcomb Rt. 7 Box 28, Hamling WV	7			
ADDRESS 25525	5 1/2			
PERMIT ISSUED Dec. 14, 1984	4 1/2	*5958'	5958'	326 sks
RECOMPLETION Dec. 10, 1985	3			
RECOMPLETION Jan. 18, 1986	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Devonian Shale, Ben	*From or rea, Maxto	riginal dri		7' feet
		/ Cabl	e Tools_	
Water strata depth: Fresh 90 feet;	Salt 1	.506 feet		
Coal seam depths: open mine @ 350'	Is coal	being mir	ed in the	e area? No
OPEN FLOW DATA				
Producing formation Devonian Shale		ly zone dep		
Gas: Initial open flow show Mcf/d	Oil: Ir	itial oper	flow	Bbl/d
Final open flow 220 Mcf/d				
Time of open flow between init	ial and i	inal tests	3 h	ours
Static rock pressure 280 psig(surface	e measure	ament) after	er 72 hou	urs shut ir
(If applicable due to multiple completion	2)		3610-	3620
Second producing formation Berea & Maxton	Pa	ay zone dej	oth 2664-	2672 <b>feet</b>
Gas: Initial open flow show Mcf/d	Oil: I	nitial oper	n flow	Bb1/d
Final open flow **0 Mcf/d	Oil: F	inal open :	flow	Bbl/d
Time of open flow between init	tial and	final test	s 3 h	ours
Static rock pressure 620 psig(surface ** most likely watered off from Maxton	e measure	ment) after	r 72 ho	urs shut i

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

Perf L. Dev. Shale 30H/5720-5740 - N<sub>2</sub> frac using 300 gal 15% HCl & 500,000 SCF N<sub>2</sub> @ 47,000 SCF/min. BD @ 3000#, ATP 5400#, ISIP 5800#, 15 min 2100#.

Perf Berea 20H/3610-3620 - 75 Q foam frac using 500 gal 15% HCl, 30,000# 20/40 sd, 338,600 SCF N2 @ 96,000 SCF/min. BD @ 1850#, ATP 1634# @ 23.2 B/M foam, ISIP 940#, 15 min 675#, TF 196 bbl.

Perf L. Maxton 20H/2664-2672 - Acidize w/2000 gal 15% HCl. BD @ 2000#, ATP 2700# @ 5.3 B/M, ISIP 2250#, TF 89 bbl. 75 Q foam frac using 513,000 SCF N2 & 20,000# 20/40 sand. BD @ 2000#, ATP 3950# @ 20 B/M foam, MTP 4040#, ISIP 3450#, TF 77 bbl.

#### WELL LOG

ESIGNATED AGENT Former Burk of ST 4111 CHRIST DESIGNATION AGENT FORMER Burk ST 511 Two Correct Burk ST 512 Two Correct Plans Philadelph 5, PA 55, W 2367 A38	FORMATTION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Form dated 5/23/83  COUNTY OF A CANADA AND A	Reporte	d on ori	ginal			
ESIGNATED ACTANT FORTERS Runs SER  CORPESS Box 136, Branchon, WV 24818  STEPACE CAREER Parties Land C.  CORPESS 1512 Two Careerd Plane, Philadelph S. PA  CONTROLL RUCKING CORREST Plane, Philadelph S. PA  CONTROLL RUCKING CORREST Philadelph S. PA  CONTROLL RUCKING CORREST PRINCIPLE PHILADElph S. PA  CONTROLL RUCKING CORREST PRINCIPLE PHILADElph S. PA  CONTROLL RUCKING CORREST PRINCIPLE CORREST SERVICE CORREST CORREST SERVICE CO	form da	ted 5/23	/83	_		COMPRHY Ashlend Explorations
NORTH STATE OF THE		- stal	hit Lead in	uko -	LLLA_TE_M	ACCRESS P. O. Pox 391. Ashin
NUMBERS ONES TWO CITES A PRIMARY PLANS PRIMARY PLANS PRIMARY PROPERTY OF THE PRIMARY PLANS ONES PRIMARY PRIMAR				LLENZ -		DESIGNATED AGENT FORTEST PURE
Depth of Completed Party Plane, Philadelph 5, PA (10) 13-1				52.12	24618	ADDRESS Box 136, Breaten, WV
HIGHER RICHES CONER Forder Land Co. 102 135 100 100 100 100 100 100 100 100 100 10			1 88 *	20-24		SURFACE CHARRY Pardee Land C
ESTIMATE FOR STATE FIGURE 1 FAILSTEIN 1 PA 1 P						ADDRESS 1512 Two Girsid Plaza
DOREST 1512 Two Girard Place Philadelphi PA 9702 9.8 2367 e1387 128 101 comb NUCKESS Rt. 7 hm 28, Hemin 23, WY 5.1 2 4058 5.1 2 4058 324 324 324 324 325 325 325 325 325 325 325 325 325 325				The same of the same of	.co banal	THE PERSON NAMED IN THE PE
On AND CAS INSPECTOR FOR IN S WINK Jets  PERMIT ISSUED Dec. 14, 198  PERMIT ISSUED Dec. 10, 1985  PERMI				PA		ADDRESS 1512 Two Girard Plazes
THE APPLICABLE: PROGRESSION FROM RELIABLE OF THE ROLL					THE REW 2	
TO APPLICABLE: PLUCING OF BY RIE CONTINUOUS PROCESSION FROM RELIGION OF CONTINUOUS PROCESSION FROM RELIGIONS OR STANDARD OF CONTINUOUS PROCESSION FROM RELIGIONS OR STANDARD OR STANDARD OR CONTINUOUS PROCESSION FROM RELIGION OF CONTINUOUS PROCESSION OF CONTINUOUS PROCESSION FROM RESTANDARD OR CONTINUOUS PROCESSION FROM RESTANDARD PROCESSIO		10202		SIA GI		PERMIT ISSUED Dec. 14, 1984
TF APRILCABLE: PRINCIPLE OF DRY RIE CH CONTINUOUS PROCESSION FROM DRILLING OR ENVIRONCE VARIANT PRINCIPLE OR AND DEVORISH SN 18, Seres, and a serial drilling Depth of completed well 5967 feet, Seres, and Depth 5967 feet Water strate depth: F esh 90 feet, Sal 1506 feet Coal seem depths: F esh 90 feet, Sal 1506 feet Coal seem depths: F esh 90 feet, Sal 1506 feet		05.50			1983	PECCHALITICAL DEC. 10.
CONTINUOUS PROCESSION FROM DELILING OR Life as described described of completed well 5967 feet Roter, Same Depth of completed well 5967 feet Roter, Sale 1506 feet Water strate Sepths: Feeth 90 feet; Sale 1506 feet Coal seam depths: Open the 8 1507 Is coal being mined in the area? By					9861	AL .ml Correspond
GEOLOGICAL TARGET FORMATICAL Devonian Shile, Seres, faxton Depth 5967' fee Depth of completed well 5967 feet Rotery X / Cable Tools Water strate Septh: Fresh 90 feet; Sald 1506 feet Coal seem depths; open time 8 350' Is coal being mined in the area? No					NO SALER YES NO CHALLING CEMIAINED	TE APPLICABLE: PLUGGING OF CONTINUOS PROMESSION PROMESSION PROMESSION
Depth of completed well 1967 feet Rotery E Cable Tools Water strate Septh: Fresh 90 feet; Salf 1506 feet Coal seem depths: open the 8 350° Is coal being mined in the ares? Ho					Devomian Shale	GEOLOGICAL TARGET FORWATION
Coal seam depths; open sine 6 350° Is coal being mined in the arms? Ho				yest Rotany	5967	
Coal seem depths; open time 8 350' Is coal being mined in the area? No				eet; Salt	e de	
				zo al	ine 8 350'	
						CEEN FLOW DATA
Producting formation Devonter Shale : Buy some depth/5123-5740 fee			rose acre depr		vonten Shale	Producting formarion In

(Attach separate sheets as necessary)

	ASHLAND	EXPLORA?	CION.	INC.	
_	Well Ope		,		the true are
By:	dlerek	A. 7	na	T TOTAL	Engineering Technician
Dat	-	uary 28,	1986	-TELEVIS	Teleber

Static rock pressure



State of Mest Nirginia

Department of Alines noieivic and ben lio

	Date	5/2	3/83	}		
	Opera	ator's	bod	riora	9	
,	Well	No.	73	3	\w	
	Farm	Par	dee	Land	Co.	

API No.

WELL OPERATOR'S REPORT

			Ur			11:1		
DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE	101/11/2	1002
							(1-1 4)	1303

IOCATION: Elevation: 1631 Watershed De	nnison For	k of Spruc		
District: Washington County Boom	ne	Quadrangl	e Lorado	ttle Coal R
N 119 (ABA) ( LOUIS) Chapter Paris I amend to the contract of				
COMPANY Ashland Exploration, Inc.				Shale
ADDRESS P. O. Box 391, Ashland, Ky. 41114	Casing	Used in	Left	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Box 156, Brenton, WV 24818	Size		·	bass.
SURFACE CANER Pardee Land Co.	20-16	38'	381	15 sks
ADDRESS 1512 Two Girard Plaza, Philadelphia, PA	Cond. 13-10"		Sand	Shale
MINERAL RIGHTS OWNER Pardee Land Co.	0 5/9	438'	438	244 sks
ADDRESS 1512 Two Girard Plaza, Philadelphia, 1840	8 5/8	2367'	2367'	425 sks
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	2307	2307	JX8M .U
St. Clair ADDRESS Box 157, Brenton, WV 2481	5 1/2			Shala M. Mave
PERMIT ISSUED 11/8/82	4 1/2	5958'	5958'	326 sks
DRILLING COMMENCED 1/19/33	3	3930	3930	320 SKS
RILLING COMPLETED 1/3F/83	2		SUL	Penett (
ON THE PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REPORKING. VERBAL PERMISSION OBTAINED ON THE PROGRESSION OF THE PROGRESSION	Liners used			Shale Shale Opper we Shale
EOLOGICAL TARGET FORMATION Onondaga Limestone		Dept	h 5976	feet
Depth of completed well 5967 feet R		The second secon		TCCL .
	Salt 150			
Coal seam depths: NONE	-	being mine	d in the	area? No
PEN FICH DATA HUNON		10 . O A	137 W 34 W	Col day
Producing formation Devonian Shale	Pay	zone depti	h 5123	-5153 feet
Gas: Initial open flow 984 Mcf/d	Oil: Ini	tial open :	flow	Bbl/d
Final open flow 660 Mcf/d	Fin	al open flo	O'N	Bb1/d
	al and fin	nal tests_	3 hou	rs
Time of open flow between initia	measurem	ent) after	36 hour	s shut in
Time of open flow between initial Static rock pressure 887 psig(surface	3			
Static rock pressure 887 psig(surface (If applicable due to multiple completion-	-)	zone depth	1	feet
Static rock pressure 887 psig(surface (If applicable due to multiple completion-	-) Pay		-	

psig(surface measurement) after hours shut in

(Continue on reverse side)

DEPAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated Devonian Shale 18H/5123-5153 - dump 750 gal 15% HCl - load hole w/N<sub>2</sub>. Gas frac Devonian Shale w/1,392 MCFN<sub>2</sub> & 3020# sand. BD @ 2670#, ATP 2650# @ 52 B/M. ISIP 4490#, 5 min 2950#, 15 min 2600#

WELL LOG

FORMATION	COLOR	HARD OR SO	FT	TOP FEET	BOTTOM FEET	REWARKS Including indication of all and salt water, coal, oil ar
						, coar, orr a
Sand				. 0	200	Fresh wtr @90'
Shale				200	326	riesh wir (90
Sand			-	326	650	ADDRESS F. O. Box 391, Ashlar
Shale			Eur Gr	650	724	
Sand			pa di	724	753	DESIGNATED AGENT Forrest Bur
Dilate		patting	East on	753	974	ADDRESS P. O. Box 156, Brento
Sand			100.	974	1051	
Shale			3 -	1051	1086	SURFACE OWNER PREVIOUS Land Co
Sand	00		XX	1086	1302	ADDRESS 1512 Two Girard Plaze
Shale & Sa	and		"O"	1302	1433	
Salt Sand				1433	2049	Salt wtr @ 1506
Shale			8 3	2049	2130	NDDRESS, 1512 Two Girard Plaza
Sand Shale	23671	2367'	9 3	2130	2168	SCONOUR SCONOUR
U. Maxton		1	-	2168	2242	OIL AND GAS INSPECTION FOR TH
Shale			- 5	2242	2367	St. Clair annerge Box 15
M. Maxton			CAP	2367 2391	2391 2521	
Shale				2521	2633	PERMIT ISSUED 11/8/82
L. Maxton			1/12	2633	2674	
Shale				2674	2697	DRILLING COMMENCED 1/19/83
Little Lin	ne			2697	2762	
Pencil Cav	e		2	2762	2776	
Big Lime	M.			2776	3114	OF APPLICABLE: PLUCGING OF
Shale			87 9G	3114	3184	DONTINUOUS PROGRESSION FROM I
Upper Weir			168	3184	3263	ENORGING. VERBAL PERMISSION
Shale				3263	3568	VIC.
Coffee Sha	41			3568	3588	
Berea				3588	3620	WOLDSTORY AND
Devonian S			X	3620	5953	51 23 11 36 20 10 10 10 10 10 10 10 10 10 10 10 10 10
Onondaga L	S		22.2	5953	TD	15 03
ITD 5061			oct 3	set; Sal	d or des	Water strata depini Fre
DTD 5961 DTD 5967		being mined		er	30	Coal seam depths: NO
nel. log:	10p	~ ~				
Der undiff	3620		1		onian Shale	Producing formation #
turan	505	The second second second second	-	Lio b	oM A8e	Cas: Initial open flow

ASHLAND EXPLORATION Well Operator

Date:

Nime of open flow between initial an 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

1)	Date: November 5	, 19_62
2)	Operator's	Ma 005212

3) API Well No.

1			
ate		Co	un

Permit

#### DRILLING CONTRACTOR:

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

OIL AND	GAS	WELL PE	RMIT APP	LICATION
OAR TAL ID	OLAN	THE REAL PROPERTY.	AMIVARA IALA	DICIALION

harleston.	uv o	5311							
4) WELL TYPE			_/ Gas _		1				
,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		'Gas'', Pro		Х		_/ Underground ste	orage	_/ Deep	_/ Shallow/)
5) LOCATION	Eleva	tion: 1	531.0			Watershed:	anison Fork	of Spruce La	urel Fork of Litt
	Distri		ashing			_ county	one	Quadrangle:	orado coar
6) WELL OPE	RATOR	Ashlan	0 000	orati	lon,	Inc. 11	) DESIGNATED		Box 156
Address		lahlan	50X 39	411	14		Address	Brento	m WV 24818
7) OH 8 CAS		TO BE A DATE OF A STATE OF A STAT						2172 202 202 202	MAN THE STATE OF T
7) OIL & GAS ROYALTY (	WNER	Pardea	Land	Compa	my	12	) COAL OPERA	TOR Buffalo	Mining Company
Address		1512 Th	70 01r	ard I	Plaze	nion commune	Address		WV = 25632
		Philade	elphia	, PA	15	102	office and to	nathrost on the	best areas a second
Acreage		18,000				13	COAL OWNER	R(S) WITH DECLAR	ATION ON RECORD:
8) SURFACE O	WNER	fardee	Land	COMP	any		Name	ardee Land Co	ompany
Address	-	1712 13	* * *	ard l	718.88	1702 08 5	Address	512 Two Giras	THE FLESS
		Philade 17 000	E STRITE	a LA	43	SAM I		hiladelphia,	E. Ph. Sanda Pale Village
Acreage  9) FIELD SALI	CIE MAD	E) TO:			20	130	Address		
Address	(II MAD	L) 10.		6	12	200	Audress	ette vanueus 1900 int	
11441000				10		08 190	COAL LESSEE	WITH DECLARAT	ION ON RECORD:
10) OIL & GAS	INSPECTO	R TO BE	NOTIFIE	D \	111	4010	Nant - C	Buffalo Minir	ig Company
Name	Arthu	r St.	Clair		0	( SD	Address	Lyburn, WV	25632
Address	BOX 1	27	OL P	1 12		OIL & GAS DI	M Address	ISSUED HERSEN	THE AND RELEASE
	Brento		E 20	436		OIL T. CI			
15) PROPOSED	WORK:	Drill		Drill d	eeper_	Redrill	/ Frac	ture or stimulate	
			old form		11 (		ew formation		
(6) GEOLOGIC	AT TARCE		ysical char			Limestone			
<ul><li>16) GEOLOGIC.</li><li>17) Estimate</li></ul>				59	976	feet		San Carlotte Committee	
18) Approximate				1.			alt, top of sa	feet.	
	nate coal se		わかにす	385	m 40 4 44	seethle	being mined in the	area? Yes	/ No/
20) CASING AN	D TURINO	PROGR.	AM	, 01	17				
	li robii te					The body of the sale			
CASING OR TUBING TYPE		SPI	Weight	NS 		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor	12 3/9	20年4月	40	A		40	40	20 sks	Kinds
Fresh water Coal	1 3/4	H-40	10	Y		435	435	Circulate	Gi
Intermediate	8 5/8	K-55	24	X		2096	2096	Circulate	Sizes
Production	4 1/2	K-55	10.5	X		5976	5976	As Needed	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
21) EXTRACTION Check and pr			wina.						
				continu	uing co	ntract or contracts h	v which I hold the	right to extract oil or	r gas.
						(See reverse side for			
2) ROYALTY P									
									ng for flat well royalty or any ne of oil or gas so extracted,
produced or r			No 🗆	Allel OI	the on	of gas in place will	on is not innerently	related to the volum	ie of on of gas so extracted,
			tional is n	eeded.	If the a	nswer is Yes, you m	ay use Affidavit F	orm IV-60.	
23) Required Cop							i nejkasilegé j	A TOTAL	
									elivered by hand to the above lication to the Department of
Mines at Cha	Miles and				on or	octore the day of the			, TTT+4
Notary:	Als A	Remoder	m XX				Signed:	1 X ALVA	MMM
My Commission	n Expires	7472/	9/ /	5 40		ALTO ME PERSON	Its: John	H. Burtnett	tops and with A
STATE OF S		7					O Hear	MUT CIATT WE	writes.
						OFFICE USE O			
MATTER STATE						DRILLING PEI	RMIT		19
Permit number								Dat	
This permit coveri	ng the well	operator a	and well lo	cation	shown	below is evidence of	permission grante	d to drill in accordan	ce with the pertinent legal re-
nuirements subject	to the con	ditions con	tained he	rein and	d on th	e reverse hereof.	tification must be	given to the District	Oil and Gas Inspector
(Refer to No. 10)	Prior to the	construction pector 24	on of road	s, locati	ions an	d pits for any permitt itted work has com	ed work. In addition nenced.)	n, the well operator or	his contractor shall notify the
	0	July	17. 19	83					prosecuted with due diligence.
Permit expires Bond:	Agent		Plat:		Casing	Fee Tee	imig is commenced	prior to that date and	prosecuted with due diffgence.

Administrator, Office of Oil and Gas

1) Date: October 19 , 19 84
2) Operator's Pardee Land Co, Well No. 73, Serial No. 096311
3) API Well No. 47 - 005 - 1412-FRAC State County Permit

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

### APPLICATION FOR A WELL WORK PERMIT

WELL TY						/ Underground	storage	/ Deen X	/ Shallow/)
) LOCATIO							_		Laurel Fork of Littl
Locimio								Quadrangle:	
WELL OP							7) DESIGNATED		
Address			Box 39				Address	P.O.	
		Ashla	nd, KY	41	114	2750		Bren	ton, WV 24818
OIL & GA					/732-62	27	9) DRILLING CO	NTRACTOR: L-State Well	Service
Address		O. Box		TACTOR STREET,	AND PERSONAL PROPERTY AND PERSONS ASSESSMENT OF THE PERSONS ASSESSMENT	arrana arrangem	Tueste		Berea Plaza
Address			WV 2	-		A THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N	Audress		
PROPOSE					/ Drill		/ Redrill		
PRUPUSE	D WELL	WORK:					rate new formation_		
							rate new formation_		15 IF WATER
GEOLOGI	CALTAD	CET FOR	MATION	Di	evoniar	Shale. Be	erea, Maxton	11150	Suized talk ( ) 62
12) Faritate	Stat denth	of complet	ed well		5967	feet	22001		2111
13) Appro	vimate trat	a denths	Fresh		90	feet; salt	1506	feet.	00 1000
14) Appro							oal being mined in the	1	1984 x
CASING A						13 60	oar being innied in the	arca: Ics	140
SING OR	II I		CIFICATIONS		81	FOOTAGE	INTERVALS	CEMENT PHI SIP	AS DIVISIONERS
BING TYPE		1	Weight				1	OR SACKS	21
	Size 20	Grade H-40	per ft.	New	Used	For drilling	Left in well	(Cubic feet) «	F MINES
ductor	120	11.40	100	Δ			30	15 sks.	Kinds
water	11 3//	H-40	42	X		438	1.20	2/0 -1	Sizes
madiate		J-55		X		2367	2367	240 sks. 425 sks.	Sizes
mediate			11.6	X			5958	326 sks.	Depths set
uction	4 1/2	K-55	11.0	Δ_		5958	3930	JZU SKS,	Depths set
'S									Perforations:
13	1						4		Top Bottom
				1					Top Dottom
	N				91			L	
	NOTICE AND DESCRIPTION OF THE PERSON POR	MATERIAL AND LABORATOR AND THE PARTY	3.5	14	0	FFICE USE	ONLY		
						RILLING PE	THE RESERVE THE PERSON NAMED IN COLUMN 2 CO. LANSING PROPERTY OF THE PERSON NAMED IN CO.	an er en	
		47 001	1/10	TDA O				D 1	1/
nit number_		4/ 003	5-1412-	FRAC					r 14, 19 84
								Da	
permit cove	ering the w	ell operate	or and well	locatio	n shown be	elow is evidence	of permission grante	d to drill in accorda	nce with the pertinent legal re-
8) Prior to t	he constru	ction of ro	ads. location	ons and	nits for an	v permitted work	In addition, the we	ven to the District O	il and Gas Inspector, (Refer to ntractor shall notify the proper
ict oil and g	as inspecto	or 24 hour	s before ac	tual per	mitted wor	k has commence	ed.)		
permitted w	ork is as d	escribed in	the Notice	and A	pplication,	plat, and reclam	ation plan, subject to	any modifications	and conditions specified on the
rse hereof.	Dane	b 1	1. 100	6					totales a neuronal a
nit expires _	Dece	ember 1	14, 198	0		unless wel	l work is commenced	prior to that date and	l prosecuted with due diligence.
ond:	Agen	<b>d</b> : 1	Plat:	Casin	g F	ee	1		3
10	7	) 1	2011	hal	1/ 50	6236	7-1		01/
10	/ /		MA	MH			17 Va	cont.	11/200
						-1	1 rung	www -	Hasse
				The second the section		Consider a color	A Mail	nistrator, Office of (	Dil and Car
DE. W		rabi	de m = -4 -3	e +h1	illin- l	0.00	Agains	instrator, Office of C	on and Gas
TE: Keep o	ne copy of	this perm	it posted a	t the di	illing locat	ion.	Admin	nistrator, Office of	File