





RECEIVED MAY 31 1991 DEPT. OF ENERGY

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

YOHO JAMES Farm name:

Operator Well No.: LELEND/YOHO 1

LOCATION:

1

Elevation: 848.90

Quadrangle: PORTERS FALLS

District: GREEN County: WETZEL
Latitude: 10400 Feet South of 39 Deg. 37Min. 30 Sec.
Longitude 9200 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: PARDEE GAS COMPANY

4001 COLLEGE PKY. P.O. BX 4119 | Casing | Used in | Left Cement

PARKERSBURG, WV 26104-4119  Agent: LINDA CARPENTER	&   Fill Up   Tubing   Drilling   in Well   Cu. Ft.
Agenc. BINDA CARPENIER	   Size
Inspector: DONALD ELLIS	
Permit Issued: 03/29/91	Same
Well work Commenced: 5/16/91 Well work Completed: 5/20/91	
Verbal Plugging	Same
Permission granted on: Refrac	
Rotary Cable Rig , Total Depth (feet) /6.36	
Fresh water depths (ft)	
N/A -	
Salt water depths (ft)	
Is coal being mined in area $(Y/N)$ ? N	
Coal Depths (ft): 1634-36, 1624-26,	
$1595-1600$ , $1514-18$ , $1\overline{400-04}$ , $1352-58$	

OPEN FLOW DATA

Producing formation	Coal	Pay zone depth (ft)	
Gas: Initial open flow	<u>~ MC</u>	CF/d Oil: Initial open flow 0	Bb1/d
Final open flow	MC	CF/d Final open flow 0	Bbl/d
Time of open flow	between	initial and final tests 72	Hours
Static rock Pressure	1125 ps	sig (surface pressure) after 72	Hours
Second producing format		Pay zone depth (ft)	
Gas: Initial open flow		CF/d Oil: Initial open flow	Bb1/d
Final open flow	MC	CF/d Final open flow	Bbl/d
Time of open flow	between	initial and final tests	Hours
Static rock Pressure	ps	sig (surface pressure) after	Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

By: / / / / / / / Date: 3/29/9/

MAY 3 1 1991

Lelend/Yoho #1

1st stage 5/16/91

70 Q Foam Frac - Coal Formation (Color)

Shot 10 .34 holes from 1514 to 1636 and broke down with 28% HCL acid at a pressure of 1500 lbs. Ran 50 sacks of 20/40 mesh sand at an average rate of 25 BPM and an average pressure of 3774 lbs. A total of 295,000 SCF of Nitrogen was used to attain a 70 Q Foam Frac. ISIP was 1710 lbs.

2nd stage 5/20/91

Shot 10 .34 holes from 1352 to 1400 and broke down with 28% HCL acid at a pressure of 1450 lbs. Ran 35 sacks of 20/40 mesh sand at an averge rate of 23 BPM and an average pressure of 3741 lbs. A total of 405,000 scf of Nitrogen was used to attain a 70 Q Foam Frac. ISIP was 2100 lbs.

The state of the state of



## APR 1 1 1983

IV-35 (Rev 8-81)

OIL AND GAS I WILLIAM DATE March 18, 1983

Operator's

# State of Mest Hirginia Well No. 1

Bepartment of Mines Gil und Gas Division Farm James Yoho

API No. 47 - 103 - 1275

WELL OPERATOR'S REPORT

OF

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

WELL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production / Underground	n/ Wast und Storag	e Disposa e/Deep	l/ p/ Sha	llow_X/)
LOCATION: Elevation: 859 KB Watershed F	ishing Cre	ek		
District: Green County Wetzel		Quadrangle	Porters	Falls 7.5 mi
COMPANY The Coastal Corporation				
ADDRESS 3501 Emerson Ave., Parkersburg, WV	Casina	Dood in	T - 64	Cement
DESIGNATED AGENT William Carpenter	Casing Tubing	Used in Drilling		fill up
ADDRESS 3501 Emerson Ave., Parkersburg, WV	Size	DITITING	Til METT	Cu. ft.
SURFACE OWNER James Yoho	20-16			
ADDRESS Box 665, New Martensville, WV 26155	13-10"	40'	40'	4-2
MINERAL RIGHTS OWNER (see attached sheet)	9 5/8	40	40	driven
ADDRESS (see attached sheet)	8 5/8	1078	1078	to surface
OIL AND GAS INSPECTOR FOR THIS WORK	7	1	10/0	to surrace
Robert Lowthe ADDRESS Middlebourne, WV	5 1/2			
PERMIT ISSUED	4 1/2	3567	3567	950'±
DRILLING COMMENCED 1/06/83	3			1 2 2
DRILLING COMPLETED 1/10/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ONn/a	Liners used			
GEOLOGICAL TARGET FORMATION Warren sandstor		Dept	h 2600	feet
Depth of completed well 3999' feet F	Rotary x	/ Cable	Thole	
Water strata depth: Fresh n/a feet;				
Coal seam depths: n/a			d in the	area? no
OPEN FLOW DATA				110
Producing formation Warren sandstone	Dave		3430~	3446
Gas: Initial open flow 300 Mcf/d	Oil. Thi	zone dept	n <u>3415-34</u>	feet (
Final open flow 100 Mcf/d	Fin	al open fi	Cu Co	ice Boi/d
Time of open flow between initi	al and fir	nal tests	.ow	BD1/G
Static rock pressure 600 paig (surface	measurem	ent) after	24 hour	ns shut in
(If applicable due to multiple completion-	-)			is sinc in
Second producing formation		zone dept	h	feet
Gas: Initial open flow Mcf/d	Oil: Ini	tial open	flow	Bbl/d
Final open flow Mcf/d	Oil: Fin	al open fl	.cw	Bbl/d
Time of open flow between initi	al and fi	nal tests_	ho	urs
Static rock pressurepsig(surface	measureme	nt) after	hou	rs shut in
API	R 1 8 1983	(Cantin		

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

Perforation: Based upon GR/cement Bond Log

10 holes 3430-3436 9 holes 3442-3446

Warren sandstone

(.49 tru-jets)

Frac Summary: Foam/Nitogen completion with 10,0001bs 20-40 mesh sand, 625,000 scf

of nitrogen, and 250 bbls of fluid.

ISIP = 1800 psi

#### WELL LOG

	•		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Permian and Pennsylvanian	surface	1078	dry
sandstone, siltstone, shale	1078	1255	
First Salt sand	1255	1266	dry
limestone, siltstone, shale	1266	1450	
Second Salt sand	1450	1534	dry
shale	1534	1564	
Third Salt sand	1564	1640	dry
shale and siltstone	1640	1700	41,9
Maxton sandstone	1700	1782	no shows
shale and siltstone	1782	1830	no snows
Greenbriar limestone	1830	1940	hand and to been more
shale	1940	1943	hard, sandy in bottom, Trace H <sub>2</sub> O
Big Injun sandstone	1943	2127	no shows
shale and siltstone	2127	2235	
Weir sandstone	2235	2360	
shale and siltstone	2360	2480	sli show gas, oil fluor. in samples
Berea sandstone	2480	2480	• • •
siltstone and shale	1		no sand development, no shows
Tr sand stone	2497	3415	no shows
Warren sandstone	3415	3452	sli show gas, trace oil fluor in
siltstone and shale	3452	3999	no shows samples
· · · · · · · · · · · · · · · · · · ·			THO SHOWS
			T. D. Driller 4007'
	1		T. D. Logger 3999'
			400 1
•	•		1/5°

(Attach separate sheets as necessary)

The Wel	Costal Corporation	
By:	Bourne Smelter	
Date:_	March 18, 1983	

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 ancountared in the drilling of a well"



ILFIELD SPECIALISTS, INC.

Rt. 4 Box 392 Marietta, Ohio 45750 (614) 374-2123

January 12, 1983

William Carpenter, President The Coastal Corporation 3501 Emerson Ave., Suite 4B Parkersburg, W. Va. 26104

Re: Leland-Yoho #1 well in Green District, Wetzel County.

Dear Sir:

Following is a summary of operations conducted on the Yoho #1 well to date, an electric-log analysis and completion recommendations:

#### Drilling Summary

- 1/6/83 Moved in rotary, spud conductor hole around 4pm, set 40' of 11 3/4" conductor pipe.
- 1/7/83 Began drilling surface hole around 2am, 955' around 6pm, set

  1078' + of 8 5/8" surface casing, cemented back to surface,
  plug down around 11:30pm.
- 1/8/83 Drilling at 1283' around 12:30pm.
- 1/9/83 Drilling 2750' around 3pm, dusting, 3500' around 11pm, carrying slight amount of gas.
- 1/10/83 T.D. 4007' around 5am, logging with Allegheny around 9am, 3567' of 4½" casing run by 4:30, cemented with 150 sks class with 121b/sk Gilsonite and 300 sks 50-50 Poz with 10% Salt and 2% Cacl, plug down by 6:30pm, slight show of gas.

recommendation

# OILFIELD SPECIALISTS, INC.

Rt. 4 Box 392 Marietta, Ohio 45750 (614) 374-2123

#### Log Analysis

Upon reviewal of the electric logs, two reservoirs appear to have economic potential, the Warren Siltstone and the Weir Sandstone. Following is a summary of each reservoir.

#### A. Warren Siltstone

(3416' - 3452')

Devonian

- 1. 14 feet of greater than 8 percent (8%) porosity.
- 2. 16 feet of greater than 50 ohms resistivity.
- 3. Average water saturations of 32 percent (32%) in the productive interval.
- 4. Average hydrocarbon saturations of 68 percent (68%) in the productive interval.
- 5. Definite temperature anomaly in the interval.
- 6. Good odor in samples throughout the interval.
- 7. Trace oil fluoressence in the samples.

#### B. Weir Sandstone

(2235' - 2360')

Mississippian

- 1. 55 feet of greater than 8 percent (8%) porosity, 32' of greater than 10 percent (10%) porosity.
- 2. 18 feet of greater than 50 ohms resistivity, 6 feet of greater than 60 ohms resistivity.
- Average water saturations of 24 percent (24%) in the productive interval.
- 4. Average hydrocarbon saturations of 76 percent (76%) in the productive interval.

Compression

Rt. 4 Box 392 Marietta, Ohio 45750 (614) 374-2123

- 5. Very slight temperature anomalies through the interval.
- 6. No sample analysis due to missing samples.

#### Completion Recommendations

Based upon the preceeding technical summaries I feel both the Warren and Weir reservoirs should be tested. Initially, the Warren should be completed with a low water volume completion type, such as foam or gelled foam. Utilization of this type of completion would enable propping of the reservoir while at the same time preventing potential formation damage to water sensitive shales.

Following are the recommended perforations for the Warren Silt-stone:

3424, 25, 26, 26.5, 27, 27.5, 28, 28.5, 29, 30	10
3436, 37, 37.5, 38, 38.5, 39, 39.5, 40	_8
	l8 total holes
	* (.49 true -jets)

#### Summary

Due to the apparent absence of productive Berea and Fifty Feet reservoirs on the northern portion of the acreage block, testing of the Warren and Weir intervals for commercial productivity becomes highly important.

Based on electric-log data and sample information both intervals appear to be commercially attractive. Caution must be excercised in completing

these reservoirs so as to prevent formation damage, and reliable test data must be obtained from each reservoir so that an insight is gained for future drilling programs.

Sincerely yours,

Benjamin Smeltzer

Geologist, O.S.I.



OILFIELD SPECIALISTS, INC.
Rt. 4 Box 392

Marietta, Ohio 45750 (614) 374-2123 DR. HOLEMAN RAY GREER FLOGLE MORT MAX FILE

February 20, 1983

William Carpenter, President 3501 Emerson Ave., Suite 4B Parkersburg, West Virginia 26102

Re: Reserve Estimates for the

Leland-Yoho #1

Dear Sir:

Enclosed are estimates of recoverable reserves from productive intervals contained within the Leland-Yoho #1 well located in Green district of Wetzel county, West Virginia.

The projected reserves are based entirely upon electric-log and volumetric data. The Warren interval has been completed, but no concrete production data could be utilized for this report.

The formulas used to calculate the reserve projections are standard formulas used throughout the Petroleum Industry, and are listed below:

 $\frac{\text{Oil:}}{\text{BBLS/ACRE}} = \frac{(7758) (\emptyset) (H) (So)}{\text{FV Oil Factor}}$ 

Gas: MCF/ACRE = (43.6) (0) (SG)  $\left(\frac{Rp}{14.7}\right) \left(\frac{460 + Ta}{460 + Tr}\right) \left(\frac{1}{2}\right)$  (H)

Where:  $\emptyset$  = porosity

H = net reservoir thickness

So = avg. oil saturation

SG = avg. gas saturation

Rp = reservoir pressure (assumed)

Ta = absolute temperature

Tr = reservoir temperature

Z = gas compressibility factor

A = acreage drained

Rf = recoverability factor

The results of the reserve analysis for the Leland-Yoho #1 are summarized below:

contract programmes

# OILFIELD SPECIALISTS, INC. Rt. 4 Box 392

Marietta, Ohio 45750 (614) 374-2123

Reservoir	Depth	Ø	SG	so	SW	н	A	E Rf	st. Recoverab Gas(MCF) O	le Reserv il (BBLS)
Big Injun	2038	.095	.52	.01	.47	56'	20	.75	78,697	5,159
Weir	2278	.113	.62	.11	.27	54 '	20	.75	143,481	65,091
Warren	3423'	.08	.60	.03	.37	15'	20	.75	35,532	3,491
						•	Tota	1s	257,710	73,741

On the basis of these calculations, the Weir appears to be the most commercially productive interval.

It must be emphaized that these estimates are in no way guaranteed, and are subject to adjustment based on changes in well preformance, prices, costs, taxes, or other changes that affect the profitability of production operations.

Further, it must be stated that neither O.S.I. nor any of O.S.I.'s employees have any interest in the subject well, nor is compensation for this study contingent upon the projected estimates.

All data used in this study is available for your examination at our office in Marietta, Ohio.

Thank your for considering Oilfield Specialists, Inc.

Sincerely yours,

Benjamin S. Smeltzer Geologist, O.S.I.

BSS/cav

OILFIELD SPECIALISTS, INC.

Rt. 4 Box 392

Marietta, Ohio 45750

CC: DR. HOLMEN
RAY GREER
DOYL FLUGLE
MORT SCHAFF
MAX BECKER
FILE

April 8, 1983

William Carpenter, President 3501 Emerson Ave., Suite 4B Parkersburg, West Virginia 26102

Re: Reserve Estimates for the

Leland-Yoho #1

REVISED!

1:076 12

Dear Sir:

Enclosed are estimates of recoverable reserves from productive intervals contained within the Leland-Yoho #1 well located in Green district of Wetzel county, West Virginia.

(614) 374-2123

The projected reserves are based entirely upon electric-log and volumetric data.

The formulas used to calculate the reserve projections are standard formulas used throughout the Petroleum Industry, and are listed below:

MCF Gas In Place/Acre = 43.6 x  $\emptyset$  x S<sub>G</sub> x  $\frac{PSIF}{PSIA}$  x  $\frac{460 + T_A}{460 + T_F}$  x  $\frac{1}{2}$  x h

43.6 = MCF at atmospheric pressure and temperature that can be contained in a volume of 1 ft. x 1 acre of 100% void space.

 $\emptyset$  = Decimal equivalent of porosity.

h = Net pay thickness in feet.

 $S_{G}$  = Decimal equivalent of gas saturation.

PSIF = Formation pressure in psi.

PSIA = Atmospheric pressure in psi.

 $T_A = Atmospheric temperature {}^{o}F.$ 

 $T_F = Formation temperature {}^{o}F$ .

Z = Compressibility of the gas.

OIL

BBLS of Oil In Place/Acre =  $\frac{7758 \times \% \times h \times So}{FVF}$ 

7758 = Barrels of oil that can be contained in 1 ft. x 1 acre of 100% void space.

# OILFIELD SPECIALISTS, INC.

Rt. 4 Box 392 Marietta, Ohio 45750 (614) 374-2123

Ø = Decimal equivalent of porosity.

h = Net pay thickness in feet.

So = Decimal equivalent of oil saturation.

FVF = Formation volume factor of oil.

A = acreage drained (20 acres)

Rf = recoverability factor (primary production, 25% oil, 50% gas)

The results of the reserve analysis for the Leland-Yoho #1 are summarized below:

Reservoir	Depth	Ø	SG	<u>so</u>	SW	. <u>H</u>	<u>A</u>	Est. Recoveral Gas (MMCF)	ble Reserve: Oil (BBLS
Big Injun Weir Warren	2038' 2278' 3423'	.095 .113 .08	.52 .62 .60	.01 .11 .03	.47 .27 .37	56' 54' 15'	20	52,465 95,654 23,688	1,719.60 21,697.19 1,163.70
					TO	OTALS		171,807	24,580.49

On the basis of these calculations, the Weir appears to be the most productive interval.

It must be emphaized that these estimates are in no way guaranteed, and are subject to adjustment based on changes in well preformance, prices, costs, taxes, or oher changes that affect the profitability of production operations.

Further, it must be stated that neither O.S.I. nor any of O.S.I.'s employees have any interest in the subject well, nor is compensation for this study contingent upon the projected estimates.

All data used in this study is available for your examination at our office in Marietta, Ohio.

Sincerely yours,

Benjamin Smeltzer

## THE COASTAL CORPORATION

# Yoho #1 Green District, Wetzel County

### Sample Descriptions

		- ·
Warren Des	criptions	
3350-3380	80% Sh	Lt-med gy, micaeous, slty in part, pyritic,
		sft-sli frm chips.
	20% S1st	Lt-tangy, vfgr, tr calc cement, no fluor.
3380-3410	80% Sh	Lt-med gy, smooth textured, vslty, micaeous,
		Pyritic, sft chips.
	20% S1st	Cloudy clr-tangy, vfst, silaceous, sft-sli frm
		chips, argillaceous, no fluor, no odor.
3,2410-40	75% Sh	Lt-med gy-grnshgy, smooth textured-sli slty, micaeous,
		pyritic.
	25% Slst	Cloudy gy-tangy, vfgr, calc in part, + calc content
		then previous sample, no fluor.
3440-70	70% Sh	G/G, huy trace red shale, vsft chips.
	30% S1st	Cloudy gy-grnsh clr gy-tangy, vfgr, sli calc-mostly
		silaceous, vargillaceous, frm chips, no fluor, no odor,
3470-3500	60% Slst	Cloudy 1t gy-tangy-pink, vfgr, silaceous, clean-
		vargillaceous, sft-sli frm chips, tr fluor in sample,
		good odor in sample.
	40% Sh	A/A lt-med gy-grngy, sft, sli slty sft, sli-fair

odor in sample.

3500-30	60% Sh	Lt-gy-grnshgy-lt gy frn, smooth textured, sli slty,
		sft-sli frm, pyritic in part.
	40% Slst	Cloudy gy-tan-pink, vfgr, silaceous-sli calcareous,
		sft-sli frm chips, no oil fluoressence.
3530-60	70% Slst	Cloudy clr-gy, tan, pink-red, vfgr, sft frm chips,
		sli calcareous, sli argillaceous, fair-good odor. Tr
		fluor in cample.
	30% Sh	Lt-med gy, a/a
3560-90	80% Sh	A/A.
	20% S1st	A/A.
3590-3620	80% Sh	A/A.
	20% S1st	A/A.

* 5 · .			en a de la companya d			103 - 1275	5 1				
FOR1	1 WW-2B	DEPART	STAT MENT OF E WELL WO	E OF WEST NERGY, DIV RK PERMIT	VISION OF O	<u>IL AND GAS</u> <u>N</u> Eypin	jeof 3 29 91 Lè 3 29 93				
1)	Well Ope	erator:_		Pardee Ga	s Company	36880 (5)	553				
2)	Operato	r's Well	Number:	Leland/Yo	ho #1	3) Ele	vation: 848.9				
4)	Well type: (a) Oil/ or Gas_X/										
	(b) If Gas: Production_X/ Underground Storage/ Deep/ Shallow_X/										
5)	Proposed	d Target	Formation		coal bed						
6)	Propose	d Total D	epth:	1800'	feet						
7)	Approxi	mate fres	h water s	trata dept	hs: N	/ <b>A</b>					
8)	Approxi	mate salt	water de	pths:	N/A						
9)	Approxi	mate coal	. seam dep	ths: 1352	2-56, 1400-04	<u>, 1512-14, 1598</u>	-1600,1626-28				
10)				· -		ive mine? Ye					
11)	Proposed	d Well Wo	rk:	Refrac	1.1.	Pac New Fo	OMALINI				
12)			CASIN		y Bunge 1 Ing program	KUL 19EU 7C	V IIIITO D				
TYPE		<u>, s</u>	PECIFICAT	IONS	FOOTAGE II	NTERVALS	CEMENT				
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)				
Condi	ictor	11 3/4	ERW		40'	40'	стѕ				
Frest	n Water						idalland				
Coal			!			1/ May fil	mille Rice ?				
Inter	mediate	8 5/8	ERW	20#	1078'	1078'	CTS				
Produ	action	4 1/2	ERW	10.5	3567'	3567'	by rule 38 CSR 18.11-				
Tubir	ng						950'				
Liner	S					Division of E	nergy				

PACKERS		Kind Sizes	Retrie	vable bridge plug	. •	MAR	1	8	91	
(0)		Depths		1800'		Oil an:	ermi 1 Ge	ttin; s So	ection	
2 4			Fgi	Divison of Oil	and Gas U	Jse Önly			7	,
Fee	( 5	i) pajd		Well Work Ferm	it III R	Reclamation	Fu	nd	9/1	WPCP
Pla	t		ww <sup>2</sup> 9 (	1 WW-2B / 1	Bond	inket ar	20		: [_]	Agent
				/		(Type) 🦮	<i>* -</i>		c L	

Form	1 of	1) 2)	Date: Operator's well number
(09/8	37)	3.	<u>Leland/Yoho #1</u> API Well No: 47 - <u>103</u> - <u>1275-FRAC</u>
		3)	State - County - Permit
		STATE OF WEST DEPARTMENT OF ENERGY, DI	VIRGINIA VISION OF OIL AND GAS
	. •	NOTICE AND APPLICATION F	OR A WELL WORK PERMIT MAR 1891
4)		wner(s) to be served:	5) (a) Coal Operator: On the section
	(a) Name	James Yoho	Name
	Address	Box 665	Address
		New Martinsville, WV 26155	(b) Coal Owner(s) with Declaration
	Address		
			NameAddress
	(c) Name		
	Address _		Name
			Address
6)	Inspector	Donald Ellis	(c) Coal Lessee with Declaration
• ,		2604 Crab Apple Lande	Name
		nt, WV 26554	Address
		(304) - 534-5596/366-5880	
	•	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
Sect:	racts by will included to a served of the control o	hich I hold the right to is the information requir f the Code of West Virgin that as required under Copies of this notice and ocuments pages 1 through onal Service (Affidavit a ified Mail (Postmarked poication (Notice of Public	ed by Chapter 22B, Article 1, ia (see page 2) hapter 22B of the West Virginia Code application, a location plat, and on the above named parties, by: ttached) stal receipt attached) ation attached)
familattad responsis tr	ne terms and I certify liar with the character of the control of t	nd conditions of any perm under penalty of law that the information submitted nd that based on my inquir obtaining the informatiate, and complete. It there are significated the possibility	22B and 38 CSR 11-18, and I agree it issued under this application. t I have personally examined and am on this application form and all ry of those individuals immediately on, I believe that the information ant penalties for submitting false of fine and imprisonment.  Pardee Gas Company
		Its: Operati	ons Manager
		Address PO	
			ersburg, WV 26104
Subsc	ribed and	Telephone 3 sworn before me this	04-428-3471 26 day of <u>February</u> , 19 <u>91</u>
7	;	Marlen	
My co	ommission (	expires <u>May 24, 1999</u>	Notary Public
	i		
		N Company of the Comp	1.0.1.11.11.

### NOV 0 6 1995

# STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION SECTION OF OIL AND GAS

Permitting Affidavit of Plugging and Filling Well

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: YOHO, JAM	IES	Operator 1	Well No.:YOHO #	<b>‡1</b>
District: Latitude:	GREEN 10400 Feet	South of 39	RTERS FALLS unty: WETZEL Deg. 37 Min. 3( Deg. 47 Min. 3(	) Sec. ) Sec.
Well Type: OIL	GAS X	-		
Company: PARDEE EXPLO  1331 LAMAR S HOUSTON, TX	RATION UITE 555 77010-000	Coal Ope or Owne	eratorr	
Agent: <u>GEORGE D. CU</u> Permit Issued: 05/22/		Coal Ope or Owne	eratorr	
		AFFIDAVIT		
STATE OF WEST VIRGINI	ΞA,	ATTIDAVII		Ψ.
IOHN W. CUSHI first duly sworn acc in the work of plugo the above named well and filling the abov Gas Inspector repr commenced on the the well was plugged TYPE CLASS A CEMENT GEL CLASS A CEMENT GEL CLASS A CEMENT	ging and fill operator, re well, and resenting the 5 and fille FROM	and participa  RANDALL MICK  BE Director,  day of JUNE  d in the follow	s wells and were ted in the work say that sai	re employed by c of plugging Oil and d work was
Description of mand that the work the5 day ofJ  And furthur deponents	UNE	ASING-BURIED 6 ing and filling, 19 95.	ידא כסמוואס פגיס	N Ω M Ω N T T N M T T N T M T N T N T N T N T N
official seal NOTARY PUBLIC TO LATE A DATE SHADE BOOM be	pefore me thi	, , , , , , , , , , , , , , , , , , , ,	Mu ash E October Morary Part	19 95 1109 13 183
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Yoho # ( Bowerst of Walten - Poor & - 5 mc FRO

Reserves 257,710 MCF

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