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CONC. CO. T.N.	DEPARTME	TNE	OF 1	ENER	3Y
EC 8 2 2 2 8 3 annual contraction and a second a second and a second a	Division	of	Oil	and	Gas
(2,40,000,000)					

Well Operator's Report of Well Work

Farm name: HODGES, JOSEPH H BISHOP Operator Well No.: GLASPELL 1

LOCATION: Elevation: 1215.00 Quadrangle: CENTER POINT

District: MCCLELLAN County: DODDRIDGE
Latitude: 12120 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 6275 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: PETROLEUM DEVELOPMENT COR

P. O. BOX 26

BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: MIKE UNDERWOOD

Permit Issued: 10/18/91
Well work Commenced: 10/27/91
Well work Completed: 11/02/91

Verbal Plugging

Permission granted on:\_

Rotary x Cable Rig
Total Depth (feet) 5424
Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y/N)? N Coal Depths (ft): 280-284

Casing     &   Tubing	&		Cement  Fill Up  Cu. Ft.	
Size	 		}	
11 3/4	221	221	230	
8 5/8	   1862	1862	425	
4 1/2	5397	5397	537	

## OPEN FLOW DATA

Producing formation	Benson	Pay zone depth Initial open flow	(ft) <sub>5304-5305</sub>
Gas: Initial open flow	179 MCF/d Oil:	Initial open flow	
Final open flow	232 MCF/d	Final open flow	O_Bbl/c
Time of open flow	between initial	and final tests	Hours
Static rock Pressure			72 Hours
Second producing format	tion Big Injun	Pay zone depth	(ft)2307-2313
Gas: Initial open flow		Initial open flow	

Final open flowco-mingled MCF/d Final open flow Bbl/
Time of open flow between initial and final tests Hour
Static rock Pressure psig (surface pressure) after Hour

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.

For: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns
Date: November 26, 1991

## Glasspell #1

STAGE	FORMATION	80/100 SKS	20/40 SKS		N2 (MCF)
1ST	Benson 10 (5304-5305)	100	450	500	77
2ND	Big Injun 13(2307-2313)	100	450	750	45

## WELL LOG

			REMARKS: FRESH & SALT
FORMATION	TOP FEET BOTTO	M FEET	WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	2134	1/2" stream H2O @ 60'
Little Lime	2134	2155	1/4" stream H2O @ 956'
sand, shale	2155	2176	
Big Lime	2176	2291	Coal 280-284
Big Injun	2291	2391	
sand, shale	2391	2757	gas chk @ 2499' 34/10-2"H20
Gantz	2757	2778	
sand, shale	2778	2956	gas chk @ 2810' 26/10-2"H20
Gordon	2956	2980	ing <del>Tollands and the second of the second o</del>
sand, shale	2980	3669	gas chk @ 2997' 42/10-2"H20
Speechley	3669	4245	gas chk @ 3090' 42/10-2"H20
sand, shale	4245	4328	gas chk @ 3999' 20/10-2"H20
Balltown	4328	4636	gas chk @ 4402' 24/10-2"H20
sand, shale	4636	4677	
Bradford	4677	4841	gas chk @ 4839' 24/10-2"H20
sand, shale	4841	4932	-
Riley	4932	5245	gas chk @ 4996' 10/10-2"H20
sand, shale	5245	5300	gas chk @ 5246' 18/10-2"H20
Benson	5300	5370	•
sand, shale	5370	5436	
•		5436	Driller TD
		5424	Logger TD

STATE OF WEST VIRGINIA Exques 10/18/93

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK DEPART ADDITION

WELL WORK PERMIT APPLICATION

1)	Well Ope	erator:	4-4 cm 1/4 cm	Petroleum	Development Co	rporation 382	00(5) 28
2)	Operator	r's Well I	Number:	G	laspell #1	3) Ele	1215' evation:
4)	Well typ	pe: (a) (	Dil_/	or Gas	5×/		
		(b) :	If Gas:		n <u>X</u> / Underg	round Storage Shallov	
5)	Proposed Target Formation(s): 439						
6)	Proposed	Total De	epth:	5500	feet		
7)	•			strata depi	230	), 995, 1603	
8)	Approxim	mate salt	water de	epths:N	one reported		
9)	Approxim	mate coal	seam dep	35 oths:	55, 797, 1495		
10)	Does lar	nd contair	coal se	eams tribut	ary to act	ive mine? Ye	X es/ No/
11)	Proposed	l Well Wor	Di :k:	rill & stimulate n	ew well		
12)			C 2 C 7 3		Wa nnoansk		
mypp.		0.7			NG PROGRAM		
TYPE	************************************	<u>SE</u>	ECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ctor	11 3/4	H-40	42	30	180'	
Fresh	n Water						Rock
Coal							
Inter	mediate	8 5/8	H-42	20#	1850'	1850' 1400° MAX	Neat CTS
Produ	ction	4 1/2	J-55	10.5	5500	5500	400 sks
Tubir	ıg	•					
Liner	s						
PACKE	<u>CRS</u> : Kin	d				n.C E. Division of	Energy
SizesOCT 0 2 %							
For Divison of Oil and Gas Use Only OH and Gas Section							
25	Fee(s) p					amation Fund	
	Plat  _	WW-9	I_I WW-	2B    B	ond	Type)	_  Agent

Page	e 1 of	1)	Date: <u>Se</u>	eptember 25, 1991
Forn	n WW2-A	2)	Operator	's well number
(09/	(87)		Gl	aspell #1
		3)		No: 47 - 017 - 3917
		- •		State - County - Permit
				RECEIVED
		STATE OF WE	ST VIRGINIA	
		DEPARTMENT OF ENERGY,		DIVISION OF LITERA
•				
		NOTICE AND APPLICATION	י זיפונו ג פרים	WORK DEPMIT
	BERRIARD	W. SCHMIH	FOR A WELL	Permitting
4)	DELIVERO	wner(s) to be served:	E\ (-\ C	Mil and Carte
42 )		war and a second and		oar oberacor:
	(a) Name -	Chancery Office, Box 230 Wheeling, WV 26003	ame	
	Address _	unancery utrice, Bux 230	Address	
	( ) \ no	Wheeling, W 26003  Ingrid Arrigo - Grenon	-	
	(D) Name	Ingrid Arrigo - Grenon		Owner(s) with Declaration
	AUGLESS	30 Juliller 311 eet in 1 JACK	Name	Arby Glaspell
	<u>:</u>	Franklin, MA 02038	Address	C.P. Star Route
	(c) Name		-	West Union, WV 26456
	Address _		Name	
			Address	
6)	Inspector	Mike Underwood	(c) Coal	Lessee with Declaration
	Address _	Rt. 2, Box 135	Name	
		Rt. 2, Box 135 Salem, WV 26426	Address	
	Telephone	(304)782-1043		
		TO THE PERSON(S) NAMED	ABOVE TAKE	NOTICE THAT:
	Included	is the lease or leases	or other co	ontinuing contract or
cont		hich I hold the right t		
		is the information requ		
		f the Code of West Virg		
				B of the <u>West Virginia Code</u>
T h=	ve cerved	conice of thic notice =	nd applicat	ion, a location plat, and
3 - 110	mpanying d	copies of chis motice a	nd abbilear	e above named parties, by:
ar-c		onal Service (Affidavit		ie above named parties, by:
				:
		ified Mail (Postmarked		
	—— Publ	ication (Notice of Publ	ication att	ached)
	<b>-</b> ,			
, ,				38 CSR 11-18, and I agree
to t	the terms a	nd conditions of any pe	rmit issued	under this application.
	I certify	under penalty of law t	hat I have	personally examined and am
				application form and all
atta	chments, a	nd that based on my inq	uiry of the	se individuals immediately
resp	onsible fo	r obtaining the informa	tion, I bel	ieve that the information
		ate, and complete.	•	
	I am awar	e that there are signif	icant penal	ties for submitting false
info		ncluding the possibilit		
				Development Corporation
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136 2 6	CN NOTARY D	1151.10 <b>T</b> + = :	Geologist	
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Mir	commission	avniras	The same	Notary Public
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