





JUL 2 7 1997

#### State of West Virginia Division of Environmental Protection

Section of Oil and Gas

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

PRIM, CHARLES ETUX. Farm name:

Operator Well No.: C. PRIM #1

LOCATION:

Elevation: 1,070.00 Quadrangle: OXFORD

District: CENTRAL County: DODDRIDGE 200 Feet South of 39 Deg. 15Min. 0 Sec. Latitude: Longitude 4150 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: INTERSTATE DRILLING, INC. RT 3 BOX 89-V WESTON, WV 26452-9620 Agent: KENNETH L. POTE Inspector: MIKE UNDERWOOD Permit Issued: 05/19/97 07/01/97 Well work Commenced: Well work Completed: 07/01/97 Verbal Plugging Permission granted on: N/A Rotary Cable Rig
Total Depth (feet) 5612' Fresh water depths (ft) N/A Salt water depths (ft) N/A Is coal being mined in area (Y/N)? N

Coal Depths (ft): \_\_\_\_\_N/A

Casing	Used in	Left	Cement
Tubing	Drilling	in Well	Fill Up Cu. Ft.
Size			
11-3/4"	30'	30'	
8-5/8"	1840.25'	1840.25'	Cemented to Surface
4-1/2"		5478'	700 Sks.
Existing W	ell Récords - No	Changes.	
	, 		

#### OPEN FLOW DATA

Producing formation Speechley Pay zone depth (ft)4047'-4050'

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/c

Final open flow 335\* MCF/d Final open flow 0 Bbl/c

Time of open flow between initial and final tests Hours

Static rock Pressure 760 pair (supface tests) 155. Static rock Pressure 360 psig (surface pressure) after 48 2198'-2214'. Second producing formation Warren and Big Injun Pay zone depth (ft) 3506'-3646'

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow 335\* MCF/d Final open flow 0 Bbl/d Time of open flow between initial and final tests Hours Hours Static rock Pressure 360 psig (surface pressure) after 48 Hours

\*Co-mingled with existing production.

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:	INTERSTATE DRILLING, I	NC.
		/_
(	By: Jumel	
	Date: July 24, 1997	Land Branches

07/01/97 Set temporary plug @ 3670'.

Perfed and completed: Speechley; 3976'-4050' w/20 Holes; 21,000# 20/40 Sand Warren; 3506'-3646' w/30 Holes; 15,300# 20/40 Sand Big Injun; 2198'-2214' w/34 Holes; 29,600# 20/40 Sand

Knocked out plug and co-mingled w/deeper-zones.



# RECEIVED

### DEC 2 9 1981

#### OIL AND GAS DIVISION WY DEPARTMENT OF MINES

# STATE OF WEST VINGINIA DEPARTMENT OF MINES

# Oil and Gas Division WELL RECORD

Quadrangle Oxford 7.5

Permi No 47-017-3006

MOINT -	UII
Cable	Cas X
Recycling	Cumb
Water Flood_	
DispusaL	
•	Kindl

IJAN 2 :

Company Chase Petroleum  Address P.O. Drawer 369, Glenville, W.Va. 26351  Charles Primm Acce 34	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up
Location (waters) Cabin Run  Well No. Charles Prim #1 Elev. 1070  Destrict Central County Doddridge	Size 20-16 Cund.			
The surface of tract is owned in fee by Charles Prim	9 5/N	30	30	
Address RT.4Box 7, Big Springs, W.Va. 26137  Mineral rights are owned by Charles Prim	M 5/M 23	1840.25	1840.25	CTS
Address Big Springs, W.Va.	5 1/2	E / 70	5478	700sks.
Drilling Commenced Sept. 15, 1981  Drilling Completed Sept. 21, 1981  Initial open flow 11,086 cu. ft. 0 bbls.	4 1/2 10.5	5478	3476	7005K5.
Final production 380,000:u. M. per day 0 bbis.  Well open 8 brs. before test 1782 RP	Lineis Used			
Well treatment details: Fraced Alexander: 5071-5388;21 Holes; 595 bbls	Attach copy of a . Total Fluid;			
Fraced Benson: 4566-4674; 12 Holes; 590 bbls.	Total Fluid: 1	56,000# 2 8,500# 80/		
	5	6,000# 20/	40	
Fraced Riley; 4430-4466; 12 Holes; 565 bb1s T		,000# 80/1 ,000# 20/4		
Coal was encountered at None Feet				Feet
Producing Sand Alexander, Benson, Riley				

Formation Co	lor Hard or Soft	Top Feet	Bottom Feet	Oil, Cas or Water Remarks
Sand &	Shale	40	49	
Sand		49	54	
Red Roo	ek	54	73	
Sand &	Shale	73	103	
Red Roo	ck & Shale	103	120	
Gray Sh	nale	120	130	
Red Roo	ck & Shale	130	142	
Sand		142	178	
Shale		178	190	And Control of the Co
Red Roo	ek	190	223	
Sand &	Shale	223	230	44 x x x x x x x x x x x x x x x x x x
Shale 8	Red Rock	230	245	
Sand &	Shale	245	273	
Shale 8	Red Rock	273	282	
Sand &	Shale	282	325	
Shale 8	Red ROck	325	410	
Sand		410	430	
Red RO	ck & Shale	430	457	
Sand		457	462	
Red Roo	ck &m Shale	462	469	***
Sand &	Shale	469	489	
Sand		489	496	
Red RO	ck & Sha;e	496	504	
Sand		504	522	
Sand &	Shale Shale	522	563	

Formation Color Hard or Soft	Top Feet	Bottom Feet	Od, Gas or Water ® Remarks
Red Rock & Shale	563	590	
Sand	590	597	·
Red ROck & Shale	597	690	
Sand & Shale	690	722	
Sand	722	751	445
Sand & Shale	751	793	
Sand	793	798	
Sand & Shale	798	808	
Sand	808	823	
Big Shale	823	829	and the state of t
Lime .	829	838	
Shale	838	880	
Sand & Shale	880	960	i de la companya de
Red Rock '	960	1015	
Sand & Shale	1015	1037	
Red Rock	1037	1068	
Sand & Shale Red ROck	1068	1080	
Red ROCK Sand& Shale	1080 1105	1105	
Red Rock & Shale	1140	1140 1254	
Sand & Shale	1254	1270	
Shale	1270	1640	
Sanfd & Shale	1640	1666	
Shale	1666	1830	· ·
Sand	1830	1838	
Shale	1838	1955	
Sand Max	1955	2010	
Shale	2010	2061	
Little Lime	- 2061	2073	general control of the control of th
shale	2073	2100	
Big Lime Injun Sand	2100	2240	
Sand & Shale	2240	2470	
Sand	2470	2524	
Sand & Shale	2524	2593	
Sand	2593	2611	
Sand & Shale	2611	2619	
Sand	2619	2630	
Sand & Shale	-2630	2804	
Sand Shale	2804	2810	
Sand	2810 2818	2818	•
Shale	2886	2886 3460	
Sand	3460	3525	
Sand & Shale	3525	3792	
Sand	3792	3820	
Shale	3820	3874	
Sand & Shale	3874	4690	
Shale	4690	4895	
Sand & Shale	4895	5052	
Benson Sand	- 5052	5067	
Sand & Shale	5067	5246	
Sand ·	5246	5255	
Sand & Shale	5255	5315	
Alexander Sand	5315	5357	
Sand & Shale	5357	5612	T.D.
•	•	tty megament.	
		-	
	No.		
		I	

Date 12/23

(Revised 3-61)



Well No.	Charles	Prim	#1
	Charles		The observation of the the original day and original and
API #47	-017 - <sub>3</sub>	006	
Date	May 7,		

### STATE OF WEST VIRGINIA OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: OLL / Gas X /	
X = X = X = X Und	erground storage / Deep / Shallow X /
	ed: Cabin Run  Doddridge Quadrangle: Oxford 7.5
	DESIGNATED AGENT Alton Skinner Address P.O. Drawer 369 Gienville, W.Va. 26351
ROYALTY OWNER Charles Prim Address Route 4, Box 7 Big Springs, W.Va. 26137 Acreage 34	COAL OPERATOR none 2. Address
SURFACE OWNER Charles Prim  Address Route 4, Box 7  Big Springs, W.Va. 26137  Acreage 34	COAL OWNER(S) WITH DECLARATION ON RECORD:  NAME none  Address
FIELD SALE (IF MADE) TO: NAME uncommitted Address	COAL LESSEE WITH DECLARATION ON RECORD: NAME none
NAME Stephen Casey Address Route 2 - Box 232-D Jané Lew, W.Va. 26378 Telephone 884-7470	Address  MAY 1 1981  OIL & GAS DIVISION  DEPT. DF MINES
The undersigned well operator is entit above location under a deed / lease X to the undersigned well operator from	led to operate for oil or gas purposes at the / other contract / dated March 28, 1981, Charles W. Prim
(If said deed, leave, or other contract has	
Recorded on March 31 , 1981, in the of	
<pre>Doddridge</pre>	Lease Book at page 752 . A permit is  / Redrill / Fracture or stimulate X /  Perforate new formation /
objection they wish to make or are required Department of Mines within fifteen (15) day Copies of this Permit Application and the emailed by registered mail or delivered by h	e work order on the reverse side hereof.  ), and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the safter receipt of this Application by the Dept notion of the and reclamation plan have been and to the above named coal operator, coal owney of the mailing or delivery of this Application est Virginia.  Chase Petroleum  Well Operator
CONSERVATION COMMISSION 1613 WASHINGTON ST., E. BLAKET BOND CHARLESTON, WV 25311 Telephone - 304/348-3092	y: Agent

(Revised 3-81)

#### PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING (	CONTRACT	OR (IF	KNOWN)	u	nknown	nation, and the America Addition process conductable and process.	and the control of th	C Faces ( and restricted assessment of the second assessment of the sec	
		A	ddress						
						n Maria (1986) - Maria (1986) (1986) (1986) (1986) (1986) (1986) (1986) (1986) (1986) (1986) (1986) (1986) (19	Committee and Control of the Control		
	•		Actuality of the			a Principal malage, <sub>serie</sub> gger yn system - crony i wedd minneu, my gwedd f	ner orden om orden og det en er	n 1660-165 Magain 160 alan mentanyar Ungkannyalahan sedamanan hari semanan s	
Диргож Арргож	ted dept	h of co ter str al seam	mpleted ata dept depths:	well_ hs: - <b>none</b>	<u>5990</u> Fresh,	fee 30	t Rotar feet; '	y X / Cat	feet。
CASING AND CASING OR TUBING TY	PE	SPE	CIFICATI Weight			For Dril	- Left in	CEMENT FILE	
Conductor	11 3/4	Grade	per ft	New	Used	1 ing -	Well	Cubic ft.	Kinds
Fresh wate	er	1		1	1				
Coal Intermed.	8 5/8		23#	+ X	-	1800	1800	CTS	Sizes
Productio	n : 4½		10.5#	X		5940	5940	725 sks	Depths set
Tubing Liners				+		-		-	Perforations:
		<u> </u>						1	Top Bottom
	;	-		<del> </del>	-			***************************************	
Fore 822 Pos A s. Whe IHIS PERSHUL Drill for Drill operations ha Deputy Di	r IV-9, -i-12h a uired by -i-8a fr ed well. eparate re fract gitts and a Code, th ing ve not com rector - Of	"Reclamend Regul R	ation Plation Section 12. All	lan" (in any land any land lating lat	upplicater  (v) un  (v)  water  be reconstant  the Fi	able to the less pred if application well or quired for be parted from IV-2	the rectame iously parable, the dwelling of fracture of the we filed in	ation required in the seconscribing of stime or stime or stime connection and be second or the connection or the connect	ame well, the feet quired by Code feet of the pro- ulating a well the a permit is therewith.
or in in in the unders ocation here of the igned has	coal los  to be is  signed co  nas exam  ne well  s no obje  ntor has	ssee who ssued wind oper ined this location is complied.	thin fift rator is proport, the wo to the wo	rorded fteen _/ own sed we ell le	laideo (15) <u>W A I</u> ell lo ocatio ropose	claration days of r  VER lesse cation. In has be d to be	n under Co receipt th e/ of   If a mine en added t done at th	de \$22-4-20 ereof: the coal un map exists o the mine; is location	der this well which covers the map. The under- provided the Virginia Code and
Date:		, 1	9						Sign Trees
	٠				t	By:			
		1		e <sup>r</sup>	t	> y :			

		WW-25				017-3006	- Frac	Page_3_of_ <u>10</u>	
	As	7		STA	TE OF WEST VTAL PROTEC ORK PERMIT	VIRGINIA		III ala	
	En. N	V DIVIS Ment Protectivy	ION OF EN	IVIRONME	TAL PROTEC	TION, OFFI	CE OF OIL	AND GAS	
	LIVITON	ment Protoco		WELL W		APPLICATI	<u> </u>		
	MAY	Wall-One		<b>.</b>	O4() Drilling, Inc.	1-1680	(1)	526	
	1),,,,,	aet f. Obe	rator:	Interstate (	Drilling, Inc.	257.9			
	Per Ace o	Magator	's Well N	lumber:_	C. Prim #1		3)	Elevation: 1070'	
	4)	Well Eyp	e: (a) C	)il/	C. Prim #1 Or Gas	5 <u>×</u> /	Issue	d 05/19/97	
			(b) <sub>_</sub> I	f Gas:	Production Deep	n_x/ Undergo	ground Sto:	es OS/19/99 rage/ llow_x_/	
LE)	5)	Proposed	Target F	`ormation	n(s): <u>Big</u> Ir	njun, Weir, Warı	ren, Speechley		
23	6)	Proposed	Total De	pth:56	17' (Orig. TD)		As reported on		
	7)	Approxim	ate fresh	water s	strata dept			copy attached)	
	8)	Approxim	ate salt	water de	epths: None	e reported on o	riginal OG-10.		
	9)	Approxim	ate coal	seam der	oths: Non	e reported on o	riginal OG-10.		
	10)	A CONTRACTOR CONTRACTO							
	11)	Set temporary plug; Perf and Frac Speechley, Warren, Weir and Big Injun;  1) Proposed Well Work: Knock out plug; and co-mingle w/deeper zones.							
	12)								
	who had /			CAST	NG AND TUB	ING PROGRAM	A		
							<b>-</b>		
	TYPE		SI	PECIFICA	PIONS	FOOTAGE 1	INTERVALS	CEMENT	
					Weight	₹ <b>○</b> ⊁	T 0 = 4 3 3	n Fill-up	
			Size	Grade	-	drilling		(cu. ft.)	
			Date for Sunt			44.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	1 4011	104.10.7	
	Condi	uctor *	11-3/4"		49 CO.	30'	30'		
	Fres	h Water						1 to hom	
	Coal			-			-01	A DRIVING	
								Will her	
	<u>Inte</u>	rmediate	8-5/8"			1840.25'	1840.25'	Cemented to Surface*	
	Produ	uction*	4-1/2"				5478'	(700 Sks.*)	
	Tubi	ng	*		· .				
	Line:	rs Orted on Origi	nal NG-10 co	ony attached			- mark	1000	
		ERS : Kine		phy accached.	•		Same P	6 60 100	
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	35/~	and with this wife the man and way way way.		or Offic	e of Oil a	nd Gas Use	Only		
176	37~	Fee(s) D			fork Permit			Fund   WPCP	
					-23   <u> </u>			Agent	
	`	1	•		· · · · · · · · · · · · · · · · · · ·		(Type)	· · · · · · · · · · · · · · · · · · ·	

Page	1	of .	10
Form	V	$\sqrt{VV}$	2-A
(6/94)	)		
File C	Ò	py	

MARY A. STRALEY 1800 N. 20th STREET CLARKSBURG, WV 28301 inmission Sypines October 31, 2004

REC	Elve
Environmen	vision of tel Pretection
MAY	in cacting.

1)	Date:	April	30,	1997
2)	Operator's	well num	ber	

C. Prim #1 3) API Well No: 47 - 017

03006 Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	NOTICE AND APPLICATI	ON FOR A WELL WORK PERMIT
4)	(b) NameAddress	Name None Address  (b) Coal Owner(s) with Declaration Name Same as Surface Owner Address
	(c) NameAddress	NameAddress
(6)	Inspector Mike Underwood Address Route 2 Box 135 Salem WV 26426 Telephone (304)- 782-1043	(c) Coal Lessee with Declaration Name
	TO THE PERSON(S) NAM	MED ABOVE TAKE NOTICE THAT:
× Virgin	to extract oil and gas <u>OR</u> Included is the information required by this is to be a second or the second of the se	al receipt attached)
inforr those is tru	Itions of any permit issued under this application submitted on this application form individuals immediately responsible for e, accurate, and complete.  I am aware that there are significant positives of fine and imprisonment.  Well Opera	have personally examined and am familiar with the mand all attachments, and that based on my inquiry of obtaining the information, I believe that the information penalties for submitting false information, including the ter INTERSTATE DRILLING, INC.  Secutive Vice President Route 3 Box 89-V
	Telephone cribed and sworn before me this 3011 de company de compa	Kazyli Straly Notary Public