Latitude

90,32,00,

Longitud

2.235 1.07w

7.5'	Loc	_	
		(calc.)	

Topo Location

Company ?

Farm NW Yeater # 2450

15' Quad \_\_\_\_\_ (sec.)

7.5' Quad Comeron

District Liberty

WELL LOCATION PLAT

County OSI Permit 606

PLUG AND ABANDON\_\_\_CLEAN OUT AND REPLUG TARGET FORMATION ESTIMATED DEPTH\_ WELL OPERATOR CULUMBIA GAS TRANS CORP. 175 DESIGNATED AGENT\_

\_CONVERT\_

\_GAS\_X\_LIQUID INJECTION\_

793' LIBERTY

QUADRANGLE CAMERON, W.V.

STIMULATE

FORMATION.

N/F CHARLES L. COOK n/f Villiam Zervos

EX1

1'' = 1000'

ELEVATION BM E127 770.09'

1/2500

STATE OF WEST VIRGINIA

**DEPARTMENT OF MINES** 

OIL AND GAS DIVISION

SURFACE OWNER \_\_\_CHARLES T. HURNER

RD, C.I

FILE NO. DRAWING NO.

SCALE

ACCURACY.

**WELL TYPE: OIL** 

LOCATION: ELEVATION\_

DISTRICT \_

OIL & GAS ROYALTY OWNER \_\_

PROPOSED WORK: DRILL

MINIMUM DEGREE OF

PROVEN SOURCE OF

JOSEPH ZELIC

NAT OF

N/F ROBERT PRICE

FENCE INTER.

N/F NICK ZELIC

DETAIL

= 500'

(SIGNED)

WATER SHED

SEE PLAT ABOVE

LEASE NO.

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

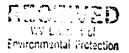
Well Operator's Report of Well Work

Farm name:	HORNER, CHARLES	& DELORSE	Operator	Well No.: I	L-2450			
LOCATION:	Elevation: 793.00 Quadrangle: CAMERON							
	District: LIBER Latitude: 11870 Longitude 5880	Feet Sout	th of 39	ounty: MARSI Deg. 47Min Deg. 35 Mir	. 30 Sec.	•		
Company: COL	UMBIA GAS TRANSMI	SSION -						
	0 MacCORKLE AVENU RLESTON, WV 2531		Casing     &	Used in	Left	Cement  Fill Up		
Agent: ROB	ERT C. WEIDNER			Drilling	in Well 	Cu. Ft.		
Permit Issu	RANDAL MICK ed: 07/02 ommenced: ////		Size   0 <sup>3</sup> 4" o.D.	194'	194'	177		
Well work C Verbal Plug Permission	ompleted: 3/4/ ging granted on: —	94	85/11 o.D.	1044'	1044	236		
Rotary X Total Depth Fresh water	Cable Rice (feet) 1824 depths (ft) NOT		5½"0,D.	1578	15781	354		
Salt water	BY DRILLER depths (ft) NOT BY DRILLER		36"0,D,	1825'	1825'	123		
Is coal bei	ng mined in area (ft): Prissuran Co	(Y/N)?NO, AL449-454	   					
OPEN FLOW D	ATA		ı					
<i> 4 </i> 94 <del>&gt; F</del> T	ing formation Boon intial open flow 2, inal open flow a rock Pressure	180 MCF, between in	/d Fi nitial and	inal open fl 1 final test	low — —			
Second Gas: I F T Static	producing format nitial open flow inal open flow ime of open flow rock Pressure	ion MCF, — MCF, between in psic	— /d Oil: Ir /d Fi nitial and g (surface	Pay zone of itial open inal open flat final teste pressure)	depth (ft flow state)	Bbl/ Bbl/ Hour		
INTERVALS, LOG WHICH	CK OF THIS FORM FRACTURING OR ST IS A SYSTEMATIC OAL ENCOUNTERED E	IMULATING DETAILED	, PHYSICA GEOLOGICA	AL CHANGE,	ETC. 2).	THE WEL		
	For		onall A.S	nsmission co	ORP.	NL 1 0 180		
			_			_ ` •		

- 11/2/93 CLEANED OUT TO THE PLUGGED BACK TOTAL DEPTH AT 1825'6,L.
- 11/4/93 RAN 1825'GIL, OF 31/2" OD T-55,912 HALLIBURTON CEMENTED IN PLACE WITH 100,
- 11/5/93 INSTALLED A NEW 7"X36", API 2000, NATIONAL-OILWELL FLANGED WELLHEAD, WITH 2-31/4", API 2000, BARTON GATE VALVES,
- a/24/94 HITWELL SURVEYS PERFORATED THE 3½"0.D. TUBING FROM 1662 TO 1672' AND FROM 1682' TO 1692' AT 4 SHOTS/FTI
- 3/1/94 HALLIBURTON FRACTURED THE BIG INJUN SAND WITH 500 OF 15% HCl, 507 BB OF GELLED WATER, 5,000 OF 80/100 SAND AND 25,000 OF 20/40 SAND.

FORMATION DEPTHS (FROM SERVICE COMPANY LOGS RUN BY HALLIBURTON LOGGING SERVICES ON 11/3/93):

FORMATION	FROM	ТО
PITTS BURGH COAL	4491	454'
MURPHY SAND	5651	5781
BIG DUNKARD SAND	9881	1025
MAXTON SAND	1487'	1512'
LOWER MAXTON SAND	1517'	1535
BIG LIME	1546	1572
BIG INJUN SAND	1572	
TOTAL DEPTH	<del>,</del>	1825
PLUGGED BACK TO (35" FLOAT SHO	DE) -	1824



## FORM WW-21 1 6 98

051-0606-F

Permitting STATE OF WEST VIRGINIA 9 07/02/9

Office of Oil & WELL WORK PERMIT APPLICATION

		•				<del></del>	
1)	Well Ope	rator:_	COLUMBIA	GAS TRANSMI	SSION CORP.	10450 (	7) 278
2)	Operator	's Well	Number:	Ļ-2450	)	3) Ele	vation:793
4)	Well typ	e: (a)	0il_/	or Gas	<u>X</u> /	The same of the sa	•
	•	(b)	If Gas:		Undergr	ound Storage Shallow	
5)	Proposed	Target	Formation	(s): <u>BIG</u>	INJUN SAND		
;)	Proposed	Total D	epth: <u>1833</u>		feet		
')	Approxim	ate fres	h water s	trata dept	hs:150'(	(EST.)	
8)	Approxim	ate salt	water de	pths:	850'		
9)	Approxim	ate coal	. seam dep	ths: <u>340-</u> 3	342', 440-446'		
10)	Does lan	d contai	n coal se	ams tribut	ary to acti	ive mine? Ye	s/ No_X/
11)							NT 3-1/2" TUBING
12)	1 112	LOUGH THE	DIG INJUN SA	INU; PERFURA	TE AND FRACTUR	KE WELL.	
	. <del>-</del>		CASIN	G AND TUBI	NG PROGRAM		
TYPE			PECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT
		Size	Grade			Left in	Fill-up

TYPE	S	SPECIFICATIONS			FOOTAGE INTERVALS			
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu√) ft√)		
Conductor		Existing	fromwed;	least.	J	Lanketons.		
Fresh Water	10-3/4"	UNK.	32.75	195'	194'	150 SACKS		
Coal	8-5/8"	UNK.	24	1058	1044'	200 SACKS		
Intermediate	5-1/2"	UNK.	17	4	1576'	300 SACKS :		
Production	3-1/2"	J	9.2	1592:4"	1833'	150 SACKS		
Tubing						22 CSR19 11.1		
T.iners			Moute	Q tabely	,	00010		

PACKERS	:	Kind NONE	 
		Sizes	
•	,	Depths set _	
20/			100

For Divison of Oil and Gas Use Only

Reclamation Fund

WPCP

Fee(s) paj

	•	ROOT-	~ . <b>~</b>						
		NV 1	. F. f						
Page	1 of 1	Environmental Protes		L)	Date: M	AY 13. 19	93		
Form	WW2-A	1 6 8	3	2)	Operator				<del></del>
(09/8	37) Conv	Permitting  office of Oil & 0		₹ )	ADI Well	-2450 No: 47	- 051	- 00606-1	9-RRAC
rire		whice of Oil & a				State	- County	- Permit	t
					. ,				
		DEPARTMEN	STATE OF V T OF ENERGY,				GAS		
			•						
	•	NOTICE AN	D APPLICATIÒ	ON FO	R A WELL	WORK PE	RMIT		
4)	Surface C	wner(s) to	be served:	מחורם	5) (a) C	oal Oper	ator:		
,	(a) Name	RT. 5, BOX 1	DELORSE A. HO		Name <b>A</b> ddress				
	Address _	CAMERON, WV	26033	_	Address				
								eclaration	on
	Address _			_			ION COAL (		
	(c) Name				Address	PITTSBUF	SHINGTON RO RGH, PA 15	241	<del></del>
									<del></del>
					Address		<del></del>		<del></del>
6)	Inspector	- PANDAI MTO	·K		(c) Coal	T.essee	with Dec	laration	<del></del>
6,	Address	RANDAL MIC 111 BLACKS	SHERE DR.		•			- Iulucion	
		MANNINGTON,	WV 26582						
, M	Telephone	e (304)- <u>9</u>	86-3324					·	<del></del>
معمورا والوالم	Lepul G	TO THE PER	SON(S) NAME	D ABC	VE TAKE	NOTICE 1	THAT:		
Will S	app of all								
رس	/Included	is the lea	se or leases	s) or	other co	ntinuing	contrac	t or	
/ Conjc	racts by v		d the right ormation red					e 1.	
			of West Vi				,		
			equired und						
			this notice ages 1 thro						
acco			ce (Affidav			e above	nameu pa	ircies, by	•
	Cert	tified Mail	(Postmarke	d pos	tal rece		ached)		
	Pub	lication (N	otice of Pu	blica	tion att	ached)			
	T have re	 and und	erstand Cha	 pter	22B and	38 CSR 3	 l1-18. an	d I agre	e
to t	he terms a	and conditi	ons of any	permi	t issued	under t	this appl	ication.	
			alty of law						am
			mation subminused on my in						1 v
resp	onsible for	or obtainir	ig the inform	matic	on, I bel	ieve tha	at the in	formation	n n
	rue, accu:	rate, and c	omplete.						****
			re are sign						e
into	rmation,	including t	he possibil: Well Op <del>era</del>		COLUMBIA	GAS TRAN	isonment. SMISSION C	QRP.	
and the same of	NOTA:		By:	a	tert	m	- RCU	EDNEN	
	STATE OF WEST	HINIA	Its: DI		R, DRILLIN	G & MAINT	ENANCE		
الم المستعدد	MARY PAF		Address <u>P.</u>		OX 1273 TON, WV 2	5325-1273		-	
	St. Albans, West Vid By Commission Explor	rsinia 25177	Telephone		357-2459	3323-1213			
<del>~6450</del>	cribed-an		ore me this		day of		Misic	, 19	93
		<i>-</i>	TWas (	1/20	Luca!		 	. +	1 i c

My commission expires Affahir 10,199

\_Notary Public