Latitude

ارس 1.23

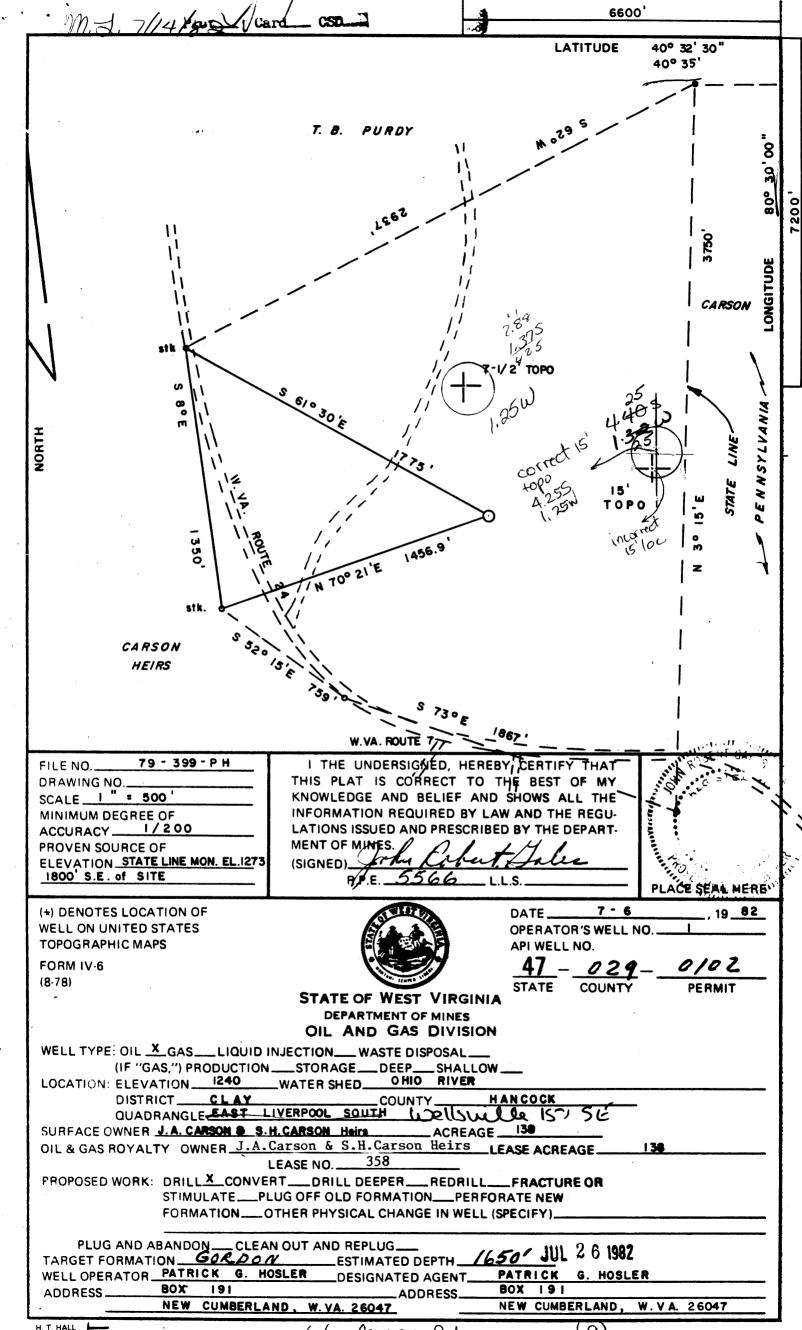
Longitude

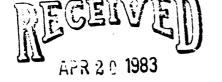
7.5' Lee. 15' Lee. (cale.)

District \_ Clay

County 029 Permit 102

WELL LOCATION PLAT





& GAS DIVISION . of MINES

IV-35 (Rev 8-81)	OIL & GAS I	DIVISION MINE
PECEIV	EM	ě
HIN 1 2 19	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	

. OF MINES State of Mest Wirginia

Bepartment of Mines Gil und Gas Bivision

Operator's Well No. 1						
Farm Car	rson	Heir	s_			
API No.	47_	029		0102		

OIL & GAS DIVISION

WELL OPERATOR'S REPORT

DEPT. OF MINES

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

LOCATION: Elevation: 1240 Watershed_	Ohio R	iver			
District: Clay County Hance	ock	Quadrangle	East L	<u>iverpool</u>	Sout
					-
					•
COMPANY Patrick G. Hosler		r		Cement	ì
ADDRESS Box 191, New Cumberland, W. Va.	Caşing	Used in		fill up	
DESIGNATED AGENT Same as above	Tubing	Drilling	in Well	Cu. ft.	{
ADDRESS	Size 20-16				
SURFACE OWNER J.A.& S.H. Carson Heirs	Cond.	20	20		┨
ADDRESS R.D.#3, Box 157, New Cumberland, W. Va.	13-10"				-
MINERAL RIGHTS OWNER Same as above	9 5/8	300'	3001	To Surfa	фe
ADDRESS	8 5/8				4
OIL AND GAS INSPECTOR FOR THIS WORK Robert General Delivery	7	1100	1100	800' to	1100
Lowther ADDRESS Middlebourne, W Va 26149	5 1/2				4
PERMIT ISSUED 7/9/82	4 1/2				4
DRILLING COMMENCED 7/23/82	3				4
DRILLING COMPLETED 7/31/82	2				_
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
CONTRACT TO DOTAL TO DE MATERIA		Der	oth 1310	feet	5
GEOLOGICAL TARGET FORMATION Berea	Rotary x				
<u> </u>					_
Water strata depth: Fresh 200 feet;		being mi		e area? No	
Coal seam depths: 360				•	
OPEN FLOW DATA		FLOW K	ESOIVEL	LUM PRESS 10 fee	rle A
Producing formation Berea					
	Oil: Ir	itial ope	n ilow	4 Bb1/0	1 2
Final open flowMcf/d			1	5 nb1/	<b>u</b>
Time of open flow between ini	tial and f	inal test	sr	ours	
Static rock pressure D psig(surfa	ice measure	ement) aft	erhc	xurs shut 1	n
(If applicable due to multiple completion					
Second producing formation		ay zone de		fee	
Gas: Initial open flowMcf/d	Oil: I	nitial ope	n flow	Bb1/	
Final open flow Mcf/d	Oil: F	inal open	flow	Bb1/_	~ -
Time of open flow between in	fore [ei+i	final test	es l	hours JUN ?	150

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

1310 TO 1330 Shot WITH JUDYMITE

#### WELL LOG

	T	1	REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh
TONNETON WIEN THE ON BOTT	101 1221	20220	and salt water, coal, oil and gas
Sand Broken	0	25	
	25	42	
Clay Gray Red Rock	42	48	
	48	60	
Slate Gray Pink Rock	60	80	
Slate Gray	80	118	
Red Rock	118	145	
Slate Gray	145	170	
Sand	170	178	
Red Rock	178	195	
	195	236	
Slate Gray	236	237	Coal
Slate Black	238	238	Coar
	1	241	
Slate Gray Dark	238	I .	
Slate Black	241	278	
Slate Gray	278	288	
Pink Rock	288	385	
Slate Gray	385	395	
Sand Salt	395	442	
Slate Gray Dark	442	498	0001
	498	499	Coal
Clay	499	524	
Slate Gray	524	534	
Slate Black	534	548	
Clay	548	553	
Clay	553	570	
Slate Gray	570	590	
Sand Black	590	618	
Slate Gray	618	715	
Sand Broken	715	755	
Slate Gray	755	815	GO O MANTINA
Sand	815	853	INJUN FORMATION
Slate Dark Gray	853	902	•
Sand	902	959	
Slate Gritty Gray	959	1250	
Slate Black	1250	1270	_
Slate Gray Gritty	1270	1290	
Sand	1290	1329	- BEREA FORMATIO
Slate Gray	1329	anata sheets	as necessary)
_	136	1364	an necessary
shale Comy		/	O '1
t		Allean	E PETROLEUM INC
	<u> </u>	Coorstor	C V B I TO PE DICE !!
	Mett	Operator	
		Y -1	1 11 L
	By:	2 grans 1	Harry
	Date: 3	111162	

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 coul, encountered in the drilling of a well."

(Revised 3-81)



Farm	n				
API	#47	-	029-	0102	1
Date					4
					7.5

# STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: 011 X / Gas	
(If "Gas", Produc	tion/ Underground storage/ Deep/ Shallow/
LOCATION: Elevation: 1240 District: Clay	
WELL OPERATOR Patrick G. Hosl Address Box 191	
OIL AND GAS	W. Va. 26047 New Cumberland, W. Va. 26047
ROYALTY OWNER J. A. and S. H. Address R. D. #3 Box 1	
New Cumberland, Acreage 138	
SURFACE OWNER J. A. and S. H.  Address Box 157 R. D.  New Cumberland,  Acreage 138	#3. Address Box 157 /R./D. #3/
	Address
FIELD SALE (IF MADE) TO: NAME	
Address	COAL LESSEE WITH DECLARATION ON RECORD:
OIL AND GAS INSPECTOR TO BE NO	Address
NAME	
Address	
Telephone	JUL 0 9 1982
	OIL & GAS DIVISION
location ander a deed	DEPT. OF MINES  ator is entitled to operate for oil or gas purposes at the  / lease x / other contract / dated 1/17 , 1982 ,  cor from J. A. and S. H. Carson Heirs  contract has been recorded:)
Recorded on March 3, 19	82, in the office of the Clerk of County Commission of
•	Virginia, in $\frac{25}{100}$ Book at page $\frac{358}{361}$ . A permit is
. educated 82 10110M2.	
PROPOSED WORK: Drill X / Plug off ol	Drill Deeper / Redrill / Fracture or stimulate / d formation / Perforate new formation /
Other physi	cal change in well (specify)
	s shown on the work order on the reverse side hereof.
Debjection they wish to make or Department of Mines within fif Copies of this Permit Applicationalled by registered mail or der(s), and coal lessees on or	are required to make by Code \$22-4-3 must be filed with the teen (15) days after receipt of this Application by the Deption and the enclosed plat and reclamation plan have been elivered by hand to the above named coal operator, coal own-
CLEASE SUBMIT COPIES OF ALL	unarieston, West Virginia. The land of the Alberta de la 18. Note the land appropriation of the land
GEOPHYSICAL LOGS DIRECTLY TO:	Patrick G. Hosler
VEST VIRGINIA OIL AND GAS	Well Operator
CONSERVATION COMMISSION	By: ( Athers of Warfy
613 WASHINGTON ST., E.	1 Janes Jaroson
CHARLESTON, WV 25311 [elephone - 304/348-3092	Its: Owner & Operator
J-11, 1-1, 1-1, 1-1, 1-1, 1-1, 1-1, 1-1,	TIROGET THE THE THE THE TENED TO THE TENED THE

HELD BY TREASURER

水絲

(Revised 3-81)

#### PROPOSED WORK ORDER

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

. AC	TUAL I	NFORMAT	TION MUST	r BE S	UBHIT	TED ON FO	RM 1V-35	UPON COMPLET	i on
DRILLING CO	NTRACT	OR (IF	KNOWN)_	Robe	ert Ch	isler			
		A	lddress	P. (	O. Box	101	-		
•				Pen	tress,	W. Va.			
GEOLOGICAL	<b>TACCC</b>	CODMAT		Gord					
						£	9-4-	ry X / Cab	
Approxim	ate wa	ter Str	ata dent	he:	Fresh	170	t. Kota	$\frac{x}{600}$	le tools/
Approxim	ate co	al seam	depths:	400	)'	• <u>1/U</u>		5011, 000	feet.
Is coal							<u>x</u> /		
CASING AND	TUBING	PROGRA	М				•	•	
CASING OR	1	SPE	CIFICATI	ONS		FOOTAGE	INTERVALS	ICEMENT FILL	1 PACKERS
TUBING TYPE		Grade	Weight  perft	( New	lllead	For Dril	Left in	UP OR SACKS Cubic ft.	
Conductor	12	-	1	1	USEU	20'	WEII	10 Sacks	Kinds
Fresh water				1	-	300'		60 Sacks	Kinds
Coal	1 7"			1	<b>-</b>	1300'		00 Backs	Sizes
Intermed.									1
Production	7 3/8					1640 T			Depths set
Tubing	2 3/8					1640'	,		I Section 1
Liners									Perforations:
				·					Top Bottom
								l	1360 1630
								· ·	
posed A sep where sough	well.  arate l  fracta  t and 1  will be  WIST BE R  NS BEING  THE W. \  R dril	Form IV uring of the fracture of Mines OSTED A HACO A. CODE	Comer of Carlot and as such and as such and and are dependent of the Well and are the well and are the well a	not ating h on notifias Div. SITE.	be rectis to the Polication  HAPTER	well or a  quired for  be part  orm IV-2;  n as to wh  as soon a  22,	r fracture of the world in a contract of the world in a contract is done	vithin 200 fe ing or stimul ork for which connection the e will be sen	
is to is to The undersig location has area of the signed has n	ned comexamined comexamined comexamined comexamined company to the	al oper ned thi ocation ction t	thin fif  ator s propos the we the wo	/ own ied we ill lo	a dec (15) a W A I er II location opose plica	laration lays of re VER lessee cation. n has been d to be d	under Coc eceipt the / of If a mine n added to one at th	de \$22-4-20, ereof: the coal undo map exists wo the mine mais location,	any coal owner if the permit er this well which covers the ap. The underprovided the irginia Code and
			N- "" 1	M				·	
			V.	1	, It	s:			•