

Latitude 38 20 -2 GH-1369 ena WALLER C. HARDY TRACT NOA 50020 ETAL OF 9707.195 OGISAS BGIS 75 6c 38° 17'30" 2,106 81.40 .2/0 .210 Sel 1140 -N34° 15N-34150 New Location .. Drill Deeper Abandonment...... Company Councied Caesan Co STATE OF WEST VIRGINIA DEPARTMENT OF MINES Address Box 873 CHARLESTON, W.Va. OIL AND GAS DIVISION CHARLESTON Acres 500 Lease No. 6-5/84 WELL LOCATION MAP Well (Farm) No. 7 Serial No. Gw-1569 FILE NO. KAN- 1837 Elevation (Spirit Level) 8/4.84 Quadrangle CHARLESTON J503 W027 + Denotes location of well on United States County KANANIA Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented 1019dales by border lines as shown. Engineer's Registration No. 2014 - Denotes one inch spaces on border line _Drawing No. <u>14/-9-62</u> File No._ of original tracing. Date 26FEB Scale / = 1000 '

TRACIPO CLOTA T. M 5 amples - 1199 to 1722



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 6

Quadrangle Chas. SW

WELL RECORD

Oil or Gas Well gas

Permit No. Kan-1837	TYEEL INCOME		Oil or C	(KIND)
Company Columbian Carbon Company Address P. O. Box 873, Charleston 23,	W. Va. Tubing	Used in Drilling	Left in Well	Packers
Location (waters) Davis Creek Well No. 7 - GW-1369 District Louden County Kanawha The surface of tract is owned in fee by Kesource	Size ,814.84°G 16	,		Kind of Packer none
Capitol Bldg. Address Charlest	ton 5, W. Va.8 <u>4'' 44ff</u> . et al	18 ¹ 423 ¹ 6 ¹¹ 1305 ¹ 8 ¹¹	18' 423'6'' 1305'8''	Size of
Mineral rights are owned by W. G. Hartey, U.S. P. O. Box 350 (for further add. contact C. C., C.) Drilling commenced 4-1-62 Drilling completed 5-10-62 Date Shot 5-10-62 With 1466-28 # Atlas Gelatin	1518 [†] Liners Used	1554'6" with 2" cag siphon st	1554'6" e as ring	Perf. top Perf. top Perf. bottom
Open Flow /10ths Water in	Inch CASING CE	MENTED '	se side	1 1 1
Rock Pressurebb Oilbb WELL ACIDIZED see reverse side			CHES	FEET INCHE
WELL FRACTURED see reverse side				w Index and Water

RESULT AFTER TREATMENT F. O. F:-42/10	W, 2" = (273MCF all gas (Big Lime, Big Injun and Weir)
ROCK PRESSURE AFTER TREATMENT	7 days 403#	The state of the s
Fresh Water 601 382-931 Feet -	Salt Water 716-261	Feet

Formation Color	Hard or Soft	^ Тор ·	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil		0	5			
Sand		5	20			
Slate	_	20	32			
and		32	110	F. water	601	hole full
Slate		110	123	_		
Coal	7	123	126			
Slate		126	140			
Sand	"F "	140	162			
Slate and Shells		162	263	1	·	
Sand		263	272			
Slate and Shells		272	333			
Sand		333	393	F. water	382-931	hole full
Slate and Shells		393	425		, i	
		425	449'			
Sand		449	483			
Slate		483	515			
Sand		515	616			
Slate and Shells		616	698	Oil	646-657	show
Sand		698	710	OIL	020-031	3110 W
Slate	. Managaran	710	827	S. water	716-7261	hole full
Sand Solt		1	888	b. water	710-120	HOLE TOTA
Slate and Shells		827	ł .		R R	4 - 303
Sand		888	1080		01282930317	*
Lime		1080	1096	1	BUIL	13×
Sand		1096	1226	6	DY 1062	TO PER S
Lime		1226	1263	33	MAY 1962	D 67
Slate		1263	1268	222328	RECEIVE	7 6
Lime		1268	1280 (over)	5	RECEIVED Nest Virgin	205 50/

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Ges or Water	Depth Found	Remarks
Slate			1280	1283	1296'SLM=	2071DI M	
Big Lime			1283	1455		1455 sho	
Big Injun San	d		1455	1493	Gas		
Slate and She			1493	1722	Gas		12/10 W. 1" 37M
					Gas (ner. fm. 37M
			777			to 17/10 W	. 1"43, 460 cu.
27 17							Ft.
m 4 4 4 Al-				17221			
Total depth							
_						- 71 p	
Samples sho	w:						
						l	
Big Lime			1226	1448			
Big Injun			1448	1491			
Weir			1660	1713'			
					W 8		SILIFIE
#	TALL STATE					1	2, 1
CASING REC	CORD						
CHOING KE	السلام بالبار اليها في المراجعة اليها اليها الما الما الما الما الما الما الما الم		-		** ***		
4-14-62 Ran	mit and			M. Maset in	51 red mud	Pulled 7"	reamed
4-14-62 Ran	7" 43# C	asing with at	Le at 351'E	FILL DOC TIT	act in 151 ac	d mand	
ho	e and re-	an 4-16-62	at 420'DLM	with subem	Per III 19, Le	TE LITTURE	
		_					
4-23-62 Rap	5-1/2" 1	4# casing w	th shoe at 1	297'DLM-s	et in 20' red	l mud.	
					1		VIEWWITH
•						-31	
TOD & COURTED TO	ום מעדי מ	G INJUN 5-	2-62			·}	
	T) 11175 T)	G IIII OII 3					
FRACTURE						ł.	_1
	=	1 2/3	14 ho	m monte man	dans 300#	Pumped in	900 gallons
Defense franci	turing gas	gauged 36M	CF - 14 ho	r rock pre	sure 390#.	Pumped in	500 gallons
Before frac	I tubing 1	Broke down :	at 2700#. bi	bke to 2, 40	0#. Started	sand 1/4#/g	al. Increased
Before fract	tubing.	Broke down	at 2700#, bi 2100#. Ser	coke to 2, 40 sened out in	0#. Started	at 4, 000#.	Bled back.
Before fract MCA-loaded to 1#/gallon	tubing.	Broke down and dropped to	2100#. Scr	che to 2, 40 cened out in radually to	0#. Started 11 minutes 1~3/4#. Ave	at 4, 000#.	Bled back. ire 2200#=
Before fract MCA-loaded to 1#/gallor Started frac	tubing. I pressure again at	Broke down of dropped to 1/2#/gallon-	t 2700#, bi 2100#. Scr increased g # at end. P	coke to 2, 40 sened out in radually to ressure 220	0#. Started 11 minutes 1-3/4#, Ave 0#. Flushed	at 4,000#. erage pressu	al. Increased Bled back. ire 2200#= s, -time 42
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Date May 28 APPROVED Columbian Carbon Company

By W. S. Moore, Mgr. of Prod.

(Title)

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

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: Hardy Oil & Gas.	<u>.</u>	Operator	Well No: Hardy	# A7	
LOCATION: Elevation: 814.84ft. District: Loud Latitude: 10910' Longitude: 1285'	lon Co	ounty: <u>K</u> 38 Deg.		30 Sec. 00 Sec.	
Well Type: OILGAS XX	<u>cx</u>				
Company: Equitable Production P. O. Box 2347 Charleston, WV 2530 Agent: Richard Smeltzer	0 2 0	Coal Operator r Owner Coal Operator or Owner	Div. Of Parks of 1900 Kan. Blvd	i., East, Bidg. #3	
Permit Issued Date: 6/17/02				SEP 0:	3 2002
STATE OF WEST VIRGINIA, County of Kanauka	ss:	AFFIDAVIT		WV Deper Environments	iment of Protection
law depose and say that they all employed by the above named well, and Carlos Hill said work was commenced or plugged and filled in the following	re experienced in well operator, and ey Oil on / the/6	the work of participated I andGas Ins	plugging and filing the work of spector representations in the work of the control of the contro	plugging and filling the a	were above that
TYPE FROM	ТО		EMOVED	LEFT	
Je 1700	1355		3/8 tubing	O P3	
<u>Cement</u> 1355 Jel 1255	1255 (12500K)	841++	51/2 casing	458" ft 423%7" **	
Jel 1255 Cement 880	780 (1859cks)			18ft. 8"	
Jel 780	693		. *	10111	
Cement 693	593 (18 sacks)			Perf. 7" 395-12U-	-60
Je 593	472		-df-	1111	
Cement 472	372 (20 sads)		<u> </u>	111105	
Description of monument: Parti filling said well was completed on	al Plugging / Well s the <u>18</u> day of	still in producti	on and that the		nd
And furthur deponents saith no	ot. Ran	a Kidd	<u> </u>	SEP 0 A	2002
	nely Mas	lah_		·	-
Sworn and subscribe before m My commission expires: Oil and Gas Inspect	Notary Public	of July Con His	, 19 <u>}</u>	STATE OF DEATH OF LANGE	FICIAL SEAL ARY PUBLIC OF WEST VIRGINIA SE L. EVANS 16 4, BOX 623-A BURG, WV 26301 on Expires May 3, 2005
			/		