

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS MANAGEMENT PROGRAM

	DEP USE ON	LY	
Site ID		Prima	ry Fac ID
Client Id		Subfa	cility Id

Well Record and Completion Report

	erator s and Good	dwin, Ind	C.		DEP ID# 87136	Well API#(Per 37105-2143				Projec	t Number		Acres
Address 1034 Route 44					Well Farm Name Shaytown			N	/eil # 20	Serial	#		
City Shing	Shinglehouse PA				Zip Code 16748	County Municipal Potter			ality	lity Clara			
Phone Fax (814) 697-6330				USGS 7.5 min. quadrangle map Shinglehouse					***************************************				
`·				Original Comp	 _		ended W	ell Reco	ord [] Amende	d Compl	etion Report	
				ELL REC	CORD AL	so com	olete th	e Loa				k (page 2)	
We	Well Type ⊠ Gas □ Oil □] Combinatio		☐ Inje			☐ Stor			sposal
Drilling Method ⊠ Rotary – Air □				Rotary – Mud ☐ Cable				Tool					
Date Dri	lling Started 8	/19/0	Bate Drillin	g Completed 8 / 2	Surface Elevation Total Depth – Dri				Oriller 1908	ft.	Total De	pth - Logo	ger ft.
	Casi	ng and	Tubing		Cement returned on surface casing? Cement returned on coal protective casi					X Yes		lo	
Hole			Thread /	Amount in		al Behind Pip			casing? Yes No acker / Hardware / Centralizers			⊠ N/A Date	
Size	Pipe Size	Wt.	Weld	Well (ft)	Турє	and Amount		Ту		Size		epth	Run
12 1/4	9 5/8	26	Thread	22	dr	rill cuttings						***************************************	8-19-08
8 3/4	7	17	Thread	500		cement		centra	alizer	8 3/4x	7" 4	105	8-20-08
								centra	alizer	8 3/4x	7 3	311	
					***************************************	***************************************		centra	alizer	8 3/4x	7 2	216	
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		Interval P	·	C		S	PORT	ion Re		Proppin	g Agent	A	verage
Date			·	Date		S	timulat	ion Re	F	Proppin Type	g Agent Amount		verage ction Rate
Date	е	Interval P From	erforated To	Date		S	timulat Flu	ion Re	F				
Date	е	Interval P From	erforated	Date		S	timulat Flu	ion Re	F	Туре		Injec	
Date	е	Interval P From	erforated To	Date		S	timulat Flu	ion Re	F	Туре	Amount	Injed	
Date	е	Interval P From	erforated To	Date		S	timulat Flu	ion Re	F	Type	Amount RECEN	Injec (EI) 2009	ction Rate
Date	е	Interval P From	erforated To	Date		S	timulat Flu	ion Re	F	Type	Amount	Injection (ET)	ction Rate
Date Natural C	e N.C	Interval P From	erforated To	Date	Interva	I Treated	Stimulat Flu Type	ion Re	F	Type	Amount RECEN IN () NMENTAL I VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	tion Rate
Natural C	e N.C	Interval P From	erforated To	Date	Interva Naturi Press After	al Rock ure 435	Stimulat Flu Type	ion Re	F	Type SNVIHO NORTH	Amount RECEN IN 1 3 NMENTAL 1 VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	ction Rate
Natural C After Trea Flow	Popen Flow	Interval P From OT ST	reforated To IMULAT	Date	Interva Naturi Press After Rock	al Rock ure 435 Treatment Pressure	Type PSI	ion Re uid Amo	punt F	Type SNVIHO NORTH	Amount RECEN IN () NMENTAL I VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	tion Rate
Natural C After Trea Flow Well S	Ppen Flow atment Open	15 MC	reforated To IMULAT CF PS Provid	Date	Nature Press After Rock ddress, and pho	al Rock ure 435	Type PSI	ion Re id Amo	punt F	Type SNVIHO NORTH	Amount RECEN IN 1 3 NMENTAL 1 VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	TON FICE
Natural C After Trea Flow Well S Name Supe Address	Ppen Flow atment Open Service Co	15 MC	reforated To IMULAT CF PS Provid	ED Date	Nature Press After Rock ddress, and pho	al Rock ure 435 Treatment Pressure	Type PSI	ion Re uid Amo	punt F	Type SNVIHO NORTH	Amount RECEN IN 1 3 NMENTAL 1 VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	TON FICE
Natural Conference of the After Treat Flow Well Solution Name Solution Address 350 I	Ppen Flow atment Open Fervice Co	15 MC	reforated To IMULAT CF PS Provid	ED Date	Interva Natura Press After Rock ddress, and pho	al Rock ure 435 Treatment Pressure	Type PSI	ion Re Jid Amo	panies ir	Type SNVIR NORTH Ho Ho nvolved.	Amount RECEN IN 1 3 NMENTAL 1 VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	TON FICE
Natural C After Trea Flow Well S Name Supe Address 350 I City - Sta Brad Phone	Ppen Flow atment Open Service Co	15 MC	reforated To IMULAT CF PS Provid	ED Date	Naturi Press After Rock ddress, and pho me dress	al Rock ure 435 Treatment Pressure	Type PSI	ion Re id Amo	panies ir Name	Type SNVIR NORTH Ho Ho nvolved.	Amount RECEN IN 1 3 NMENTAL 1 VEST REGIO	Inject /ET) 2009 PROTECT DIVAL OF	TON FICE

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		LOG OF	FORMA	TIONS	Well API#:	: 37- <u>105</u> - <u>21437</u> - <u>00</u>
(If you wil		ace than this pa	ige, please phot	ocopy the blan	k form before filling it	in.)
Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
SEE ATTACHED DRILLER'S LOG						
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Well Operator's Signature)				DEP USE	ONLY
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Title:	Date:		Comi	Homous ments:	474-0	
Vice Pres./Treas.		05, 2009	ll l	7	•	



OIL & GAS FIELD SERVICES

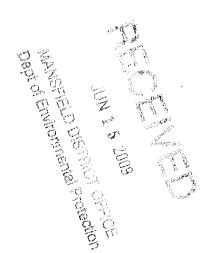
PAUL R. PLANTS STEPHEN D. PLANTS

1034 ROUTE 44 • SHINGLEHOUSE, PA 16748 • (814) 697-6330 • (814) 697-7515 FAX

PGI/HGO JOINT VENTURE DRILLERS LOG SHAYTOWN WELL #20

SPUD DATE: 8/19/08 COMPLETION DATE: 8/22/08 SURFACE CASING SET @: 500' SURFACE CASING SIZE: 7" DATE CENTRALIZERS RUN: 8/20/08 CENTRALIZERS SET @: 405', 311', 216' AMOUNT OF CONDUCTOR: 22' CEMENT RETURNS: 2 BBLS. CONDUCTOR SIZE: 9 5/8"

0-10	RED ROCK
.10-39	SHALE
39-74	RED ROCK
74-94	SHALE
94-160	RED ROCK
160-355	SHALE
355-370	RED ROCK
370-510	SHALE
. 510-635	SHALE
635-650	RED ROCK
650-924	SHALE
924-939	SAND (SMELL GAS)
939-1195	SHALE
1195-1215	SAND (SMELL GAS)
1215-1496	SHALE
1496-1571	SAND (SMELL GAS, DARK COLOR SAND)
1571-1618	SHALE
1618-1628	SAND (SMELL GAS)
1628-1878	SHALE
1878-1890	SAND (SMELL GAS)
1890-1908	SHALE
1908	T.D.



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ENVIRONMENTAL PROTECTION NORTHWEST REGIONAL OFFICE