14-Oct-97 API# 47 -095- 1687

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

### Well Operator's Report of Well Work

		wen operator s	report	OI TICH T	1 OI IX	<b>F</b>	06.			
Farm name:	McCoy, Don	ald L.	Oper	ator Well	No.: L.J. L	emasters #A	WOWOOD TO			
LOCATION:	Elevation:	1,017.00	Quad	lrangle:	Center Poir	it Environ	NV DIVISION OF			
	District: Latitude: Longitude:	Mc Elroy 3,300 Feet south of 11,150 Feet west of		nty: Tyle Deg 30 Deg 40	Min 0	Sec. Sec.	My Division or Transcription			
Company:	P.O. BOX 55	PRODUCTS COMPANY 519 V 26105-5519	•	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.			
Agent:	PHILIP S. O	Size								
Inspector: Permit Issued:	Mike Underv	10/14/97								
Well work Con Well work Con Verbal plugging	npleted:	11/11/97 1/23/98		8-5/8''	292'	292'	175 Sacks			
permission gran Rotary X Total Depth (fe	_Cable			4 1/2"	2989.60'	2989.60'	275 Sacks			
Fresh water dep	, , ,	NA NA		·						
San water dept	115 (11)	NA								
Is coal being m Coal Depths (ft	•	/N) NA N								
OPEN FLOW	DATA	*Well was drilled as a v	vaterfloo	od injection	n well. No o	pen-flow data w	as obtained			
Produc	cing formation	Gordo	n	Pay zone depth (ft) 2,935'						
Gas:						d Oil: Initial open flow * Bbl/d				
	Final open flor	en flow between initial a	MCF/d		al open flow	* Hours	*Bbl/d			
Static	rock pressure			urface pre	ssure)	after	Hours			
Secon	d producing for	mation			Pay zone d	epth (ft)				
Gas: Initial open flow MCF/d Oil				Oil: Initial open flow Bbl/d						
	Final open flo	ow en flow between initial a	MCF/d		al open flow	Hours	Bbl/d			
Static	rock pressure			urface pre	ssure)	after	Hours			
		1, PUT THE FOLLOWING: 1	•				24/2024 TURING			
		CHANGE, ETC. 2) THE WEI FORMATIONS, INCLUDING								
				/		)				
		For: PENN	ZOIL PI	RODUÉT	S COMPAN	N)				

By: Date:

#### **Treatment:**

Perforated Gordon sand with 28 holes from 2929'-2940' K.B. Fractured with 300 gals 15% HCL and 202 bbls gelled water and 11,000 lbs. 20/40 sand

#### Well Log:

All depth are relative to K.B.

0	272 Sand and Shale
272	460 sand
460	528 Shale
528	655 sand
655	722 Shale
722	800 sand
800	838 Shale
838	933 sand
933	1380 Shale
1380	1548 sand
1548	1640 Shale
1640	1778 sand
1778	1854 Shale
1854	1880 sand
1880	2050 Shale
2050	2144 Big Lime
2144	2382 Big Injun
2382	2906 Shale
2906	2935 Gordon Stray
2935	2944 Gordon
2944	3020 <b>Sha</b> le

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

#### Well Operator's Report of Well Work

Farm name:	McCoy, Don	ald L.	•	Ope	rator Well	No.: L.J. I	Lema	ters #8=9El Office of O	VED	
LOCATION:	Elevation:	1,017.00	)	Qua	drangle:	Center Poi	int	UIC Se	ction	1
	District: Latitude: Longitude:	McElroy 11,150' 3,300'	Feet south of Feet west of	Cour 39 80	nty: Tyle Deg 30 Deg 40	Min 0	Sec.	JAN 2 WV Div Environment	1 1998 sion of al Protection	
Company:	PENNZOIL P.O. BOX 5: VIENNA, W	519	S COMPANY 519		Casing & Tubing	Used in Drilling		Left in Well	Ceme Fill U Cu. I	Jр
Agent:	PHILIP S. O	NDRUSEK	•		Size			5 JF 4 JF		
Inspector: Permit Issued: Well work Com	Mike Under	wood 10/14 11/11			8 5/8"	292'		292'	175 Sa	acks
Well work Con Verbal plugging	npleted:	1/11/			4 1/2"	2989.6'		2989. <i>6</i> '	275	Sacks
permission gran Rotary X Total Depth (fe Fresh water dep	Cable eet)	Rig 2,990' NA						+10 <b>4</b> +11 +141 +41		
			 					ani di Kabupatan I		
Salt water dept	ns (ft)	NA	_			<u> </u>	-		***************************************	
Is coal being m Coal Depths (fi	•	7N) N	N				. 144	. (a. 10) (2.23-12) 		
OPEN FLOW	DATA	*Well wa	s drilled as a wa	terflo	od injectio	n well. No	open-i	flow data w	as obtaine	ed
	cing formation		Gordon		O'1. T-2	Pay zone		(ft) (ft)	2,893'-2	
Gas:	Initial open for Final open for the contract of the contract o	ow		ACF/d	Fina	ial open flow al open flow		Hours		361/d 361/d
Static	rock pressure				urface pre	essure)	after		]	Hours
	d producing fo		•		- AH H	Pay zone		(ft)		
Gas:	Initial open : Final open f	low	N	ACF/d	Fin	ial open floval open flov		77		3bl/d 3bl/d
Static	rock pressure	en now be	tween initial ar pp		ar tests surface pro	essure)	afte	Hours	]	Hours
OR STIMULATI	NG, PHYSICAL	CHANGE, ET	FOLLOWING: 1) TC. 2) THE WELI DNS, INCLUDING	LOG	WHICH IS	A SYSTEMA	TIC D	ETAILED	TURING	
			For: PENNZ	्या	RODUCT	S COMPA	NY		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1998
			By:		Donal	1) N K -	H			
			Date:		1-90-	98				

**Treatment:** 

Perforations:

3.5

Teatment:

2,929' - 2,933' and 2,937' - 2,940': 4 holes/ft (28 holes) Treated via 4.5" Casing with 300 gals. 15% HCl, 202 bbls. cross-linked gelled water and 11,000 lbs. of 20/40 sand.

100 2212

PARCH

anasisti **a**n TYPER BOOK TO A C

Well Log:

30

Sand & Shale		460	The state of the s		
Sand	graduation and the second	530		**************************************	igraquic'
Sand & Shale		900			
Sand	900 -	940		in the second	
Sand & Shale	940 -	1090			gran Harris
Shale	1090	1130	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	rengo o obás.	757921636
Sand & Shale		1380			loved haris
Sand page 17	1380 -	1420	The second of th		od most llew. Composit law.
Sand & Shale	1420 -	1640			verbal plugge
Sand	1640 -	1675			
Sand & Shale	1675 -	1800		oris)	and.
Shale	1800 -	1860	manana ara da		romsel one
Sand	1860 -	1890	e e e e e e e e e e e e e e e e e e e	i di estita.	cresh were
Sand & Shale		2150	and the second	menter in the control of the control	The second of th
Sand Coc		2250	in the second	e e e e e e e e e e e e e e e e e e e	g eth see kalle 19 had see
Sand & Shale	2250 -	2330	44	Park Re Lucia	i greatings.
Shale	2330 -	2893	The second secon	(1)	Total Depths (
Gordon	2893 -	2955			
Sand & Shale	2955 -	3000 favia and		AIAC	40 H A340
Depth driller	2990	Geriden	and the second discontinuous and the second	acing formation	
· Lienth Logger	0 rec 1 3000		The state of the s	Action of the A	is Geo.
The second secon	en de la companya de	and de la		The State of the same	

er de l'alle de la company de 39

11, 400 -1

\* . . .

z z d

18 15 16 11 THE CHARLES 2764

想象的物质的 改模的