

API # 47- 95-01524 s

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

Well Operator's Report of Well Work

Farm name: GLOVER, EARL & EDITH Operator Well No.: NANCY ALLEN M-9LOCATION: Elevation: 1,355.00 Quadrangle: CENTER POINT MCELROY County: TYLER 14200 Feet South of 39 Deg. 30Min. 2050 Feet West of 80 Deg. 40 Min. District: MCELROY Latitude: Sec. Longitude Sec. Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519 Casing | Used in | Left VIENNA, WV 26105-5519 |Cement | æ |Fill Up| Tubing | Drilling | in Well | Cu. Ft. Agent: JAMES A. CREWS Size To surface Inspector: MIKE UNDERWOOD Permit Issued: 03/24/93 8-5/8 645' 6451 50 sks. Well work Commenced: 08/05/93 Well work Completed: _10/20/93 Verbal Plugging Permission granted on: Rotary x Cable Total Depth (feet) 3326 Riq 3316.80 Fresh water depths (ft) 4-1/2 3316.80 | 300 sks. Salt water depths (ft) ___N/A Is coal being mined in area (Y/N)? N Coal Depths (ft): 673' OPEN FLOW DATA WATER INJECTION WELL Producing formation Gordon Pay zone depth (ft) 3245'-3277'
MCF/d Oil: Initial open flow Bbl/d Gas: Initial open flow_ Final open flow Final open flow MCF/d Time of open flow between initial and final tests Bbl/d Hours Static rock Pressure psig (surface pressure) after Hours Second producing formation Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow Final open flow _ Time of open flow between initial and final tests Bbl /d Hours Static rock Pressure __psig (surface pressure) after Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL

Bv: Date: COMPANY

7/8/94

TREATMENT

Perforated: Gordon with 16 holes 3260' - 3268'.

Treated with 300 gals. 15% HCL, 317 bbls. gelled water and 7000# 20/40 sand.

WELL LOG

Sand & Shale	0	_	673
Coal	673	_	686
Sand & Shale	686	_	1774
Sand	1774	_	1800
Shale	1800	_	1850
Sand	1850	_	1888
Sand & Shale	1888	_	2218
Shale	2218	-	2395
Little Lime	2395	_	2408
Shale	2408	_	2438
Big LIme	2438	_	2448
Shale	2448	_	2498
Big Injun	2498		2666
Shale	2666	_	3022
Berea	3022	_	3030
Shale	3030	_	3225
Stray	3225	_	3299
Shale	3229	_	3245
Gordon	3245	_	3277
T.D.	3326		

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	7/85 .23	
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-	FEB 2 6 93	
	WV the innofe Energymental Program	J , ,



1) Date:	February 24,	19 93
2) Operato Well No		NO. M-9

3) SIC Code

API Well NO. 47 - 095
State County

- 1524-L

5. UIC Permit No. _

losued 3/24/93

	NOT	ICE OF 1	LIQUID I	NJEC	S TION (TATE OF WEST VOR WASTE DISPO	VIRGINIA	RK PERMIT APPLI		
• t • • • • • • • • • •	•,					for the	OALI WELL WO	_		
†		A	DE	PART	MENT	OF ENERGY, OI	L AND GAS DI	VISION CAPU	nes 3/24/9	'
•									Maria. National designation of the second	
Eco				٠		7 ¥		1.4	The second second	
i) WELL TY	PE: Liqu	id injectio	n_X_/	Gas i	njection	(not storage)	/ Waste dispose	al ste se	n sta ist taget	Audros s
1) LOCATIO		ation:	1355'			. 1		n Creek		256
	Distr		McElro			Count		Quadrangl	: Centerpo	int
3) WELL OP					ts Co	$\frac{37450}{1}$	9) DESIGNA	TED AGENT J.A.	Crews	
A	ddress		Box 55		^-	46 3	A	ddress <u>P.O. Bo</u>		
011 4 64	-		a. WV	261	05			Vienna.	WV 26105	
10) OIL & GA					• • •					
Address			ox 135					G CONTRACTOR:	ale o Amilia de Mada	a INTE
Addica		m, WV					Name			
				-			Address			
12) PROPOSE	D WELL	WORK:	Drill	X	_/ Dri	ll deeper	/ Redrill	/ Stimulate	Υ ,	
						ion/ Perforate n			Δ	
						in well (specify)		Convert/		
13) GEOLOGI	CAL TAR	GET FOR			_		Ą	Depth 3250 fee	((ap) to 3260 for	
14) Estimated	depth of co	ompleted v	well, (or ac	tuai de	pth of e	existing well) 33	50 ft.		i(top) to <u>seoo</u> ja	n(bottom)
15) Approxima					E 1 /	feet; salt,	> 550 feet			
16) Approxima	ate coal sear	m depths:		1166						
17) Is coal beir	ng mined in	the area!	? Yes	/ No	<u>X</u> /					
18) Virgin reser	rvoir pressu	ire in targe	t formatio	n	1400	psig. Source	ESTIMATED			
19) Estimated r	reservoir fr	acture pres	ssure	35	00		psig (BHFP)			
20) MAXIMUI	M PROPO	SED INJE	CTION O	PERA	TIONS:	Volume per hour:	25	Bottom hole press	ure - 2340	
21) DETAILEI	D IDENTII	FICATIO	N OF MAT	FRIA	STOR	E INTECTED INCI	LIDING ADDITIV	TC. Proch		
addition.	ues, a	id OLI	er cher	ulca.	<u> LS as</u>	necessary t	<u>o maintain</u>	water quality	and impress	-41
22) FILIERS (IL WLI): "	Carth	riage i		ers a	nd/or Coal B	ed Filtors		r	ecover
23) SPECIFIC	ATIONS F	OR CATI	iodic pr	OTEC	TION A	ND OTHER CORRO	SION CONTROL			
		·								
24) CASING A	ND TUBI	NG PRO	GRAM							
CASING OR	i	SPEC	IFICATIONS			POOTAGE II	NTERVALS	CEMENT FILLUP	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACES (Cubic feet)	FACEES	
Conductor								(Caar lat)	Kinds	
Fresh water	8 5/8	L.S.	20	X		640	640	Cement to	Kinds	
Coel								Surface	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		3350	3350	Cement over	Depths set	
Tubing								Salt Sand		
Liners									Perforations:	
								-	Тор В	ottom
							L	·		
S) APPLICAN										
by deed			other co			_	ember 26,	, 19_	83 , of rec	ord in the
	Ty1		C	ounty	Clerk's	office in		Book 246	at page 575	

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

FORM WW-3(a l
	FEB	2	6	93
	WV Environr	Div nen	ision	n of Protection

1) Date February 24, 1993
Operator's

2) Well No. NANCY ALLEN NO. M-9

3) SIC Code

4) API Well No. 47 - 095 - 15-26

State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

5) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR N/A Address
(i) Name Earl & Edith Glover Address HC 62, Box 41 Jacksonburg, WV 26377 (ii) Name Address (iii) Name	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD Name Address 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD: Name
Address	Address
 The Application for a Liquid Inject WW-3(B), which sets out the parties The plat (surveyor's map) showing the Construction and Reclamation Platon plug a well), which sets out the reclamation for the site and access 	an on Form WW-9 (unless the well work is only plan for erosion and sediment control and for road.
	n or waste disposal is, 19
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER,	HAT YOU HAVE RIGHTS REGARDING THE APPLICATION N THE REVERSE SIDE OF THE COPY OF THE APPLICATION YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
well Work Permit with the Director of the Divof Energy, with respect to a well at the local depicted on attached Form WW-6. Copies of the Construction and Reclamation Plan have been more than the construction of the Construction and Reclamation Plan have been more than the construction and Reclamation Pla	st Virginia Code, the undersigned well operator in Application and accompanying documents for a vision of Oil and Gas, West Virginia Department action described on the attached Application and mis Notice, the Application, the plat, and the mailed by registered or certified mail or deliver by publication in certain circumstances) on or Director.
The person signing this document shall make t following certification:	:he
"I certify under penalty of law that I he personally examined and am familiar with information submitted in this document a attachments and that, based on my inquire those individuals immediately responsible obtaining the information, I believe the information is true, accurate, and complam aware that there are significant penasubmitting false information, including possibility of fine and imprisonment.	well Operator and all ry of By Timothy P. Roush Its Supervisor - Surveying/Mapping Lete. I alties for Telephone (304) 422-6565

M WW-3(B) verse)	FILE COPY	Y				÷
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			OFFICE USE O	NLY		50 2 3
			DRILLING PE	RMIT		1
	095-1524	_7.7				į
Permit number_	093-1324			Mar	ch 24th.	19
lo. 8) Prior to to istrict oil and a	the construction gas inspector 24 i	of roads, locations and hours before actual per	pits for any permitted work. nitted work has commenced	f permission granted to drill in ification must be given to the ln addition, the well operator.) d) construction and reclamation	District Oil and or his contrac	d Gas Inspector, (Re tor shall notify the p
ermit expires	ned below.	3-24-95		work is commenced prior to tha		
Bond:	Agent:	Blat: Casing	Fee > 18713		·	
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	m IV-3(b) is to r	record the dates of certa	AND CONDITIONS (IF A	NLY w-up inspections.	ELI. WORK	

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:__
Reason:_