

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

	Tm6
Reviewed	11110

Well Operator's Report of Well Workecorded.

MeVAY, CLARENCE WILLIAM

Operator Well No.: CUNNINGHAM 1-A

LOCATION:

Elevation: 1255.00

Quadrangle: PETERSON

District:

COURT HOUSE

County: LEWIS

Latitude:

1900 Feet South of 38 Deg. 57Min. 30 Sec.

Longitude Feet West of 80 Deg. 30 Min. 0 Sec. 8920

Company: PETROLEUM RESOURCES, INC.

P.O. BOX 1066

WESTON, WV 26452-1066

Agent: STANLEY N. MASONER

Inspector: TIM BENNETT

Permit Issued:

10/22/91

Well work Commenced: Well work Completed:

10-28-91 11-02-91

Verbal Plugging

Permission granted on:

Rotary χ Cable Total Depth (feet) 4861'

Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y/N)?N

None

Casing &	Used in	Left	Cement
Tubing	Drilling	in Well	Fill Up Cu. Ft.
Size		 	
8 5/8	667	667	200 sks
4 1/2	4820	 4820	565 sks
	*	 	<u>-</u>
		CEIVED	
	0	EC 0 4 91	
		esion of Emerge	

and Gas Section.

OPEN FLOW DATA

Producing formation Benson - Balltown Pay zone depth (ft) 4740-3174 Gas: Initial open flow Show MCF/d Oil: Initial open flow None Final open flow 350 MCF/d Final open flow None Bbl/d Bbl/d Time of open flow between initial and final tests 24 Hours Static rock Pressure 550 __psig (surface pressure) after 72 Hours

Second producing formation Fifth Sand-Gordon pay zone depth (ft) 2736-2514 Gas: Initial open flow Show MCF/d Oil: Initial open flow None Bbl/d Final open flow 350 MCF/d Final open flow None Time of open flow between initial and final tests 24Bbl/d Hours Static rock Pressure 550 psig (surface pressure) after

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: PETROLEUM RESOURCES, INC.

FRACTURED 11-06-91

BENSON Perferated 4736' - 4740' 8 Holes

Fractured with 486 bbls. Treated Water

40,000# Sand, 500 gals Acid

BALLTOWN Perferated 3174' - 3690' 8 Holes

Fractured with 416 bbls. Treated Water

40,000# Sand, 750 gals. Acid

FIFTH SAND & Perferated 2514' - 2736' 8 Holes

GORDON Fractured with 457 bbls. Treated Water

30,000# Sand, 500 gals. Acid

FORMATION	TOP	воттом	FORMATION	TOP	BOTTOM
Fill	0	5	Sand & Shale	2510	2710
RR	5	50	Sand	2710	2970
RR & Sand	50	190	Sand & Shale	2970	3490
RR	190	250	Sand	3490	3575
Sand & ShaTe	250	411	Sand & Shale	3575	3810
RR · · · ·	411	450	Sand	3810	3875
Sand & Shale	450	561	Sand & Shale	3875	4710
RR & Shale	561	577	Benson	4710	4740
Sand & Shale	577	626	Sand & Shale	4740 ,	4861
RR & Shale	626	698	TD	4861	
Sand & Shale	698	895			
Sand	895	950			
Shale	950	1120			
Sand & Shale	1120	1690			
Sand	1690	1705			
Sand & Shale	1705	1731			
Sand	1731	1775			
Sand & Shale	1775	1878			
Little Lime	1878	1895			
Shale	1895	1926		RR = Rec	d Pock
Big Lime	1926	2090		RR = nec	x non
Sand	2090	2260			
Sand & Shale	2260	2500			•
Sand	2500	2510			, 1

860

Tubing

Liners

Issued 10/22/91

	RECE	A the swam.		\mathcal{C}	41-410	9 Expues	10/22/93
FOR	M WW-2B	1 8 1991				Pa	geof
	STATE OF WEST VIRGINIA STATE OF WEST VIRGINIA SEPT. OF DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION						
	CEDI		WELL WO	ORK PERMIT	APPLICATIO	<u>N</u>	
1)	Well Op	erator:_	Petrol	eum Res	ources 11	IC. 38300) (2) 54
2)	Operator's Well Number: Cunning ham 1-A3) Elevation: 1255						
4)	Well ty	pe: (a)	0il_/	or Ga	s <u>X</u> /		
	(b) If Gas: Production \(\forall \) Underground Storage \(\forall \) Shallow \(\forall \) Proposed Target Formation(s): \(\forall \) \(\forall \) \(\forall \) \(\forall \)						
5)	Proposed	l Target	Formation	1(s):	1K 420		
6)	Proposed	d Total D	epth:	5500'	feet		J
7)	α						
8)	Approxi	mate salt	water de	pths:	NONP		
9)	9) Approximate coal seam depths: None						
10)	10) Does land contain coal seams tributary to active mine? Yes/ No_ χ /						
11)	11) Proposed Well Work: Drill & Stimulate New well -						
12)	•					-	,
CASING AND TUBING PROGRAM							
TYPE		s	PECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ictor	1134			,30′		
Frest	Water						
Coal		•			\mathcal{C}	CS	
Inter	mediate	8%	H-40	20#	650	38CSR 18-11.3 650 38CSR18-1122	200 SKS Nezt
Produ	ction	4/2	J-55	10.5	5400'	5700 3805R18-11.1	700SKS

PACKERS : Kind Sizes Depths set

For Divison of Oil and Gas Use Only Well Work Permit $|\frac{77}{2}|$ Fee(s) paid: (Type)

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served: (a) Name Clavence William McVay	5) (a) Coal Operator:
	Address	Address
	Weston WV 26452	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name
		Address
	(c) Name	
	Address	Name
		Address
6)	Inchestor	(c) Coal Lessee with Declaration
0)	Inspector	
	Address	Name
	Telephone (304)	Address
	rerephone (304)-	
	TO THE PERSON(S) NAMED AS	פרודה האגה אויירה ההאה.
	TO THE PERSON(S) NAMED AT	OVE TARE NOTICE THAT:
	Included is the lease or leases or	c other continuing contract or
cont	racts by which I hold the right to	extract oil and das OP
X	Included is the information requir	red by Chapter 22B. Article 1
Sect	ion 8(d) of the Code of West Virgin	nia (see mage 2)
	I certify that as required under (Chapter 22B of the <u>West Virginia Code</u>
I ha	eve served copies of this notice and	application a location plat and
acco	empanying documents pages 1 through	on the above named parties by:
	X Personal Service (Affidavit a	attached)
	Certified Mail (Postmarked po	
	Publication (Notice of Public	
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to t	he terms and conditions of any perm	nit issued under this application.
	I certify under penalty of law that	at I have personally examined and am
fami	liar with the information submitted	on this application form and all
atta	chments, and that based on my inqui	ry of those individuals immediately
resp	onsible for obtaining the informati	on. I believe that the information
is t	rue, accurate, and complete.	
	I am aware that there are signific	ant penalties for submitting false
info	rmation, including the possibility	of fine and imprisonment.
	Well Operator	Petroleum Resources INC
	OFFICIAL SEAL NOTARY PUBLIC BY:	
	STATE of WEST VIRGINIA ITS:	Agent Coperation Man)
	16 KITSON STREET Address P	
	WESTON, WV 26452	STON WV 26452
*****		304) 269-4217
Subs	cribed and sworn before me this '7	thinday of Cotobin , 199,
,		1 1 11
to	may & Butcher	Notary Public
My c	commession expires temperature to ac	200