

22-Sep-94 API # 47- 61-01173

Environmental Protection State of West Virginia MAR 1 4 1995 Division of Environmental Protection Section of Oil and Gas

Permitting Well Operator's Report of Well Work Office of Oil & Gas

Farm name: McBEE, GLENN A., JR.

Operator Well No.: 2033

LOCATION:

Elevation: 2,007.00 Quadrangle: MORGANTOWN SOUTH

CLINTON County: MONONGALIA 12375 Feet South of 39 Deg. 32Min. 30 Sec. 740 Feet West of 79 Deg. 55 Min. 0 Sec. District: Latitude: Longitude

Company:ALAMCO, INC. 200 W. MAIN ST., P.O. BOX 1740 CLARKSBURG, WV 26302-1740	&	Used in		Fill Up
Agent: MARTY L. PERRI				·
Inchestor, PANDAL MICK	Size]		!!!
Inspector: RANDAL MICK Permit Issued: 09/23/94 Well work Commenced: 10/01/94	16"	35'	0	None
Well work Completed: 02/21/95 Verbal Plugging Permission granted on:	8-5/8"	 661'	 661' 2	To surface
Rotary X Cable Rig Total Depth (feet) 1955' Fresh water depths (ft) 110'	4-1/2"		 1916'	175 sks 225 cu. ft.
Salt water depths (ft) None	 	1	1	
Is coal being mined in area (Y/N)? N Coal Depths (ft): None				

OPEN FLOW DATA

Producing formation Fourth Sand Pay zone de	epth (ft)1727-1732
Gas: Initial open flow 179 MCF/d Oil: Initial open f	low Bbl/d
Final open flow 133 MCF/d Final open flo	
Time of open flow between initial and final tests	
Static rock Pressure 400 psig (surface pressure) a	fter ⁷² Hours
Second producing formation Pay zone de	epth (ft)
Gas: Initial open flow MCF/d Oil: Initial open f	
Final open flow MCF/d Final open flo	ow Bbl/d
Time of open flow between initial and final tests	Hours
Static rock Pressure psig (surface pressure) a	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:	By: Ma all as
	Date: 3/9/95

Formations: 0-661' from Drillers Log Book; 661' to T.D. from Gamma Ray Log

Top	Bottom	Type	Water, Coal	, Gas
0	3	Fill	Water: 2"s	tream @ 110'
3	88	SD & SH		
88	144	SD		
144	382	SD & SH	<u>Coal:</u> None	
382	598	SD		
598	616	Lime & SD	<u>Oil:</u> None	
616	641	SD & SH		
641	661	Lime	Gas Checks	<u>:</u>
661	7 80	Big Lime		
780	859	Big Injun	701'	N/S
859	884	Squaw	904'	N/S
884	966	SH	1213'	N/S
966	1050	Weir	1552'	N/S
1050	1166	SH	1708'	N/S
1166	1179	Gantz	1801'	154 MCF/D
1179	1202	SH	1955'	179 MCF/D
1202	1223	50'		
1223	1488	SD & SH		
1488	1498	Gordon	Treatment a	and Perforations:
1498	1702	SD & SH		
1702	1772	4th Sand	Stimulation	2/16/95
1772	1808	SH		
1808	1823	Bayard	Perforations	<u>s</u> : (1731'-1732') 6 holes
1823	1955	SD & SH		
1025	1500		Frac: WF-3	30 w/N2 Assist, 30,000#
			$\overline{20/40}$ Sand,	700 BBLS, 110,000 SCF
			N2	
			0/01/05	
		•	2/21/95	
				D1 0.15001

Set Bridge Plug @ 1730'

Perforations: (1727'-1728') 6 holes

Frac: 660 SCF N2

WY Division of Environmental Protection

SEP 2 3 1994

FORM WW-2B

Permitting
Office of Oil & Gas

06/-1/73 Issued 09/23/94 Expres 39/23/96 Page 3 0f

00	STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS						
19800	WELL WORK PERMIT APPLICATION						
7	Well Operator: ALAMCO, INC.						
	Operator's	Well Numl	per	2033		3) Eleva	tion:2,007'
•	. type: (a) OIL/ or GAS XX / (b) If Gas: Production XX / Underground Storage/ Deep XX / Shallow/						
ر د	Proposed T	arget For	mation(s): <u>43</u>	Fourth	Sand	
6)	Proposed T	otal Dept	h:	2,500			_ feet
7)	Approximat	e fresh w	ater str	ata dept	hs:	87'	
8)	Approximat						
9)	Approximat	e coal se	am depth	s:		127'	
10)	Does land	contain c	oal seam	s tribut	ary to act	ive mine?	Yes/ No <u>XX</u>
11)	Proposed W	ell Work:	SEE	ATTACHE	D		
12)	TYPE	S	<u>CASI</u> PECIFICA		JBING PROGE FO		ERVALS CEMENT
		SIZE	GRADE	WEIGHT PER FT	FOR DRILLING	LEFT IN WELL	Fill-Up (Cu. Ft.)
CON	DUCTOR	11-3/4"	LS	32#	30'	-0-	NONE
FRE	SH WATER						10
COA	Г						GS
INT	ERMEDIATE	8-5/8"	J-55	23#	639'	639'	As required by 38 CSR 18-11-3 38 CSR 18-11-2-2
PRO	DUCTION	4-1/2"	J-55	10.50#	2,500'	2,500'	As required by 38 CSR 38-11-1
TUE	ING						
LIN	ERS						
PACKERS: Kind NONE Sizes							
Depths Set							
For Division of Oil and Gas Use Only Fee(s) paid: Well Work Permit Reclamation Fund WPCP							
	Plat WW-9 WW-2B Bond Blanket A Agent						

Page 1 of Form WW2-A (09/87) ile Copy

RECEIVED WY Division of Environmental Protection

SEP 2 3 1994,

September 21, 1994 1) Date: Operator's well number 2033 2)

API Well No: 47 - 061 Io: $47 - \frac{061}{}$ - $\frac{}{}$ 1173 State - County - Permit

Permitting Office of Oil & Gas

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

3)

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Address 408 High Street Morgantown, WV 26505 (b) Name Address (b) Coal Owner(s) with Declaration Name Glenn A. McBee, Jr. Address 408 High Street Morgantown, WV 26505 Address Name Address 6) Inspector Randal Mick (c) Coal Lessee with Declaration Name No DECLARATION OF RECORD Name Name Name Name Name Name Name Name	4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
Address AOR High Street Morgantown, WV 26505 (b) Name Address (c) Name Address Ill Blackshere Drive Address Ill Blackshere Drive Address Ill Blackshere Drive Address Telephone (304)—986-3324 TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT: Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2) I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by: Y Personal Service (Affidavit attached) Publication (Notice of Publication attached) I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Well Operator Well Operator Well Operator Wall Operator Wall Operator Wanger, Land Address Notary Public		(a) Name <u>Glenn A. McBee. Jr.</u>	
Morgantown, WV 26505		Address 408 High Street	Address
Address Name Glenn A. McBee Jr. Address Addres		Morgantown, WV 26505	
Address Name Glenn A. McBee Jr. Address Addres		(b) Name	
(c) Name Address Name No DECLARATION OF RECORD Na		~ ~ ~ ~	
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I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by: Personal Service (Affidavit attached) Certified Mail (Postmarked postal receipt attached) Publication (Notice of Publication attached) I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Well Operator ALAMCO, INC. By: Manager, Land Address P. O. Box 1740 Clarksburg, WV 26302-1740 Telephone Clarksburg, WV 26302-1740 Telephone CLARKSBURG NOW 26302-1740 Notary Public	Sect	ion 8(d) of the Code of West Virgin	via (see page 2)
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Environmental Protection

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ATTACHMENT TO: FORM WW-2B

Permitting
Office of Oil & Gas

Page <u>4</u> of <u>9</u>

WELL OPERATOR

ALAMCO, INC.

**OPERATOR WELL NO:** 

2033

FILE NUMBER

47-061- <u>//</u>73

### 11. Proposed Well Work:

Well 2033 will be drilled to approximately 639' KB. The 8-5/8" casing will be set at approximately 639' KB and then cemented to surface. The well will then be drilled to 2,500' KB and the 4-1/2" casing set at approximately 2,500' KB. The 4-1/2" casing will be cemented to 780' KB. The well will then be hydraulically fractured in the Fourth Sand Formation.

#### 12. Plan for partial abandonment: