PREPARED BY M CS Committee to the control of the co

IV-35 (Rev 8-81) JUL 31 985 OF OIL & GAS OF ENERGY



JUL 31 BOU JUL 31 BOU DIVISION OF OIL & GAS DEPARTMENT OF ENERGY State of West Birginia DEPARTMENT OF ENERGY State of Wines DEPARTMENT OF ENERGY State of Mines DEPARTMENT OF ENERGY State of Mines

Date_			9,	1985	·		_
Opera	tor	's					
Well	No.	CN	GD	WN L	508		-
Farm	J. 1	W. S	mit	h			********
API N	<u>ن</u> . ده	47_	10 Table 10 Table	017	dina	3435	

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

_Quadrangl	e Oxford	

	Task	Cement
Used in		fill up
Drilling	g in Well	Cu. ft.
		A.
366	366	To Surf
2001	2001	To Surf.
5304	5304	125 sks
3		
D:	e pth	5300 feet
X / Cal		
1740 fee	ined in t	he area? No
ar berna		he area? No
Pay zone d	epth_5122	- 5157 feet
Initial op	en flow_	Bbl/d
Final open	flow	Bbl/c
l final tes	its_4	hours
rement) af	ter 24 h	nours shut 11
Pay zone d	lepth	feet
Initial of	pen flow_	Bbl/d
Final oper	n flow	Bbl/c
		•
Fin	al ope	al open flow nal tests

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Superior Perforated Alexander 5122 - 5157; 10 holes; .49
Halliburton 75Q Foam Frac - Breakdown (psi) 2400, Ave. HHP 2, Ave.Rate (BPM) 20,
Ave.Pres.(psi) 2820, Max.Treating Pres.(psi) 3110, 500 gal FE Acid, 55,000# 20/40 Sand,
Max.Conc.(#/gal) 4, 679 BBL Total Fluid, 447 BBL S L Fluid, ISIP (psi) 1040, 5 min SIP
(psi) 1000, 510,000 Total Nitrogen (SCF)

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill & Top Soil	0	20	1/4" Fresh Water @ 22'
Coal	20	. 23	1/2" Fresh Water @ 255'
Shale, Sand	23	1260	
Coal	1260	1265	1/2" Water at 1740'
Shale, Sand	1265	1780	
Coal	1780	1790	
Shale, Sand	1790	1800	
Lime	1800	1875	
Shale, Sand	1875	(5300)	Control of the Contro
•			
LOG TOPS			
Little Lime	1834	1882	
Big Lime	1885	1992	
Weir	2145	2266	
Sunbury	2312	2342	
Berea	2343	2346	1100
Warren	3188	3260	
Balltown	3932	4010	
Bradford	4094	4310	
Riley	4610	4720	
Benson	4818	4874 5160	·
Alexander Leopold	5103 5036	5048	T. D. FH. to Alexander
		NAME OF THE PROPERTY OF THE PR	
		-	
		•	
• .		-	
	M .	•	-

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY
Well Operator
Muklar
Dy a way in
Date: July 9, 1985

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including eval, encountered in the drilling of a well."





1)	Date:		t	19
2)	Operator's Well No	1608		

3) API Well No.

County

State

Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELLE									
UEHI	DEPT. OF WGAY, Production X			/ Underground storage/ Deep/ ShallowX/) Watershed Right Fork					
5) LOCATIO	ATION: Elevation: 1100 District: West Union					Watershed: Kight Fork County: Doddridge Quadrangle: Oxford			
6) WELLOPI					Company	County.		AGENT Gary N	
					.O. Box		·		Corporate Park
1 10001 000					15244				lgeport. WV 26330
8) OIL & GA	S INSPEC	FOR TO E	BE NOTIF	FIED		•	9) DRILLING CO		
Name]	Mike U	nderwo	od		····			rilling Co.
Address		Route				THE STATE OF THE S	Address	P.O. Box 4	.8
•	***************************************	Salem,	<u>WV 2</u>	6426				Buckhannor	, WV 26201
10) PROPOSE	D WELL V	WORK:					/ Redrill		/
			_				orate new formation_		
							TOTAL		The state of the s
11) GEOLOGI									
12) Estima	itea aepth c	of complete	ed well,		200	fe	et alt, <u>1815, 190</u>	7	
13) Appro 14) Appro		-				reet; sa	all, 1011, 190	Iteet.	/ NoX/
15) CASING A		•				15	coar being innied in the	alea! les	/ NO
CASING OR	IND TODI		FICATIONS		ři.	FOOTAG	E INTERVALS	[] CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	ACREAS
Conductor	1 382	Grade	per re.	,464	Cacu	ro: ummg	Delt in weir	(Cubic reer)	Kinds
Fresh water	11-3/4	H-40	42	x		350	350	To Surface	By Rule 15.05
Coal		11 10						10 Surrace	Sizes
Intermediate	8-5/8	X-42	23	х		2000	2000	To Surface	By Rule 15.05
Production	4-1/2	J-55	10.5	x		5300	5300	200-400	Depths set
Tubing	1-1/2	CN-55	2.75	x					By Rule 15.01
Liners									Perforations:
						······································			Top Bottom
					ļ				
	11				100			Щ	
***************************************		······································			0	FFICE USE	ONLY		
						RILLING P			
4	47-0	117-3/13	1 5					-	10 61
Permit number_		, I / J - J - J							INE 12 1985
771.		1)			1 1		. 6	Da	
quirements subj	ect to the c	anditions of	Contained	herein	and on the r	everse hereaf	Notification must be a	iven to the District O	nce with the pertinent legal re- il and Gas Inspector, (Refer to
No. 8) Prior to 1	the constru	ction of ro	ads, locat	ions an	d pits for an	y permitted wo	ork. In addition, the w	ell operator or his cor	ntractor shall notify the proper
district oil and g									
The permitted w reverse hereof.	ork is as d	escribed in	the Notic	e and	Application,	plat, and recla	imation plan, subject t	o any modifications a	and conditions specified on the
Permit expires	June	2 12, 1	1987			unless w	ell work is commoned	neige to that data and	prosecuted with due diligence.
remit expires .						umess w	en work is commenced	prior to that date and	prosecuted with due dingence.
Bond:	✓ Agen		Plat:	Casi	na E	ee			
	Alm	,		Lasi	,	7			1
28	H113		MI	774	1 818	15	N/ 1	, 9	1 /
			-			1	1 Para	aret UIX	asse
NOTE: Voca	nne comu ci	thic nar-	it norted	at tha	drilling loost	ion	Adm	inistrator, Office of (Dil and Gas
NOTE: Keep o	one copy of	uns perm	n posted	at tilt (arming focal	ioit.			File