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IV-35 (Rev 8-81)

RECEIVED

APR 23 1982

OIL AND GAS DIVISION
OWN DEPARTMENT OF MINES

State of Mest Birginia

Bepartment of Mines Dil und Cas Bivision

"AMENDMENT"

Date_	April 19, 1982
Opera	tor's No. Moore #2
_	
Farm_	William Moore
API N	o. 47 - 107 - 1012

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Undergr	ion_/Was	te Disposal ge/ Deep	/ / Sha	11cw_X/)
LOCATION: Elevation: 83562 Watershed	Slate Rur	1		
District: Union County	Wood	Quadrangle	• Valle	y Mills
District.		· · · · · · · · · · · · · · · · · · ·		
DANG BEREA OIL AND GAS CORPORATION				Y=
DURESS One Berea Plaza, PO Box 299, Bridgeport	W Casing	Used in	Left	Coment fill up
DESIGNATED AGENT Thomas E. Riley, P.E.	Tubing	1	in Well	
ADURESS One Berea Plaza, PO Box 299, Bridgeport	Size			
SURFACE OWNER William Moore	20-16 Cond.			
ADDRESS 920 32nd St., Parkersburg, WV	13-10"			
MITERAL RIGHTS OWNER same.	9 5/8			
ADDRESS same.	8 5/8	256'	256'	90 sks.
OTL AND GAS INSPECTOR FOR THIS WORK	7			
Deo Mace ADDRESS Rt. 1, Box 65, Sandridge				
PEPMIT ISSUED April 30, 1980	3 1/2	2063'	2063'	240 sks.
DRILLING COMMENCED 8/10/80	4 1/2	2003	2003	
DRILLING COMPLETED 8/12/80				
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2		20161	
CONTINUOUS PROGRESSION FROM DRILLING OR FEWORKING. VERBAL PERMISSION OBTAINED ON	Liners used	1½"	2016'	
	•	Des	e th 2800	ji feet
GENTLATICAL TARGET FORMATION Gordon Depth of completed well 2675' feet	r Rotary			
Water strata depth: Fresh 40' fee				
Water strata depth: Fresh 40 ree	to m	al boing mir	- ned in th	e area? No
ral sem depths:		it being ha		
CLEN FLOW DATA			2502-2	
Froducing formation Berea and Gor	don	Pay zone de	oth 2134-2	!164 feet
Gas: Initial open flow Mcf/	d Oil:	Initial oper	n flow	Rb1/C
Final open flow 24 Mcf/	ď	Final open	flow	Bb1/c
Time of open flow between i	nitial and	final test	s4_t	ours
Static rock pressure 100 psig(sur	face measu	rement) aft	erhc	ours shut in
(If applicable due to multiple complet	ion)			
Second producing formation N/A		Pay zone de	pth	fee
Gas: Initial open flow Mcf,	d Oil:	Initial ope	n flow	E51/6
Final open flowMcf	/d Oil:	Final open	flow	Bbi/
Time of open flow between :	initial and	I final test	s!	hours
Static rock pressurepsig(sur	face measy	pagnt) afte	erh	ours shut i
	,, 5 •0 •	·· 0 130 <u>2</u>	dana an i	manones side

107-1012

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

2/18/81 - BEREA: 2134-36 (2), 2141-43 (2), 2148-52 (8)

598.5 sks 20/40 sand in 875 BBLS. fluid.

GORDON: 2504-19 (18)

598.5 sks 20/40 sand in 800 BBLS. fluid.

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh
			and salt water, coal, oil and gas
Fill & Shale	0	15	
Shale	15	25	
Sand	25	80	
Sahle & Red Rock	80	160	
Red Rock	160	175	
Sand & Shale	175	255	
Red Rock & Shale	255	265	
Sand	265	285	•
Red Rock & Shale	285	300	
Sand, Shale & Red Rock	300	475	
Red Rock	475	520	
Sand & Shale	520	585	· .
Red Rock & Shale	585	870	
Sand	870	915	·
Shale	915	945	
Red Rock & Shale	945	1010	
Sand & Shale	1010	1100	·
Shale	1100	1175	
Sand & Shale	1175	1400	
Shale	1400	1490	
Sand & Shale	1490	1528	
Injun	1528	1768	
Sand & Shale	1768	2155	
Berea	2134	2164	,
Sand & Shale	2164	2502	;
Gordon	2502	2529	·
Sand & Shale	2529	2675	T.D.
band a bilate	2323	2075	1.0.
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(Attach separate sheets as necessary)

BEREA OIL AND GAS CORPORATION

Well Operator

Thomas E. Riley, P.E.

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic iled geological rece of l formations, including detailed geological receives esal encountered in th

of a we?!



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

JUL 17 1981

Oil and Gas Division

•	ii ana G	as Divisio		OIL & GAS	DIVISION
Vallov Mills	METT	RECORD	D	Cable	F MIN - Gas
Quadrangle Valley Mills 47-107-1012				Recycling_	Combx
Permit No.				Water Floor	1_ Storage
				Disposal	(Kind)
Company <u>Berea Oil and GAs Co</u> Address <u>PO</u> Box 299 Bridgeport W Farm <u>Wm. Moore</u>	IV 26330	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft. (Sks.)
Location (waters) Slate Run	0)(6	14.Size			
Well No	Elev	20-16		!	
District Union County	Wood Ks	Cond.			
The surface of tract is owned in fee by William Moore		13-10" 9 5/8	+		
Address 920 32nd St., Parkers	hura W Wa	9 5/8 8 5/8	2561	056	
Mineral rights are owned by Same		7	256'	256;	90 sx.
Address		5 1/2			
Orilling Commenced 8/10/80		4 1/2	2063'	2063	240 sx.
Drilling Completed 2/80		3			240 SA.
nitial open flowcu. ft		x3 1 1/2"		2⊕16	
final production 24 M cu. ft. per day	bbls.	Liners Used			
Vell open 4 hrs. before tes Vell treatment details:	1 <u>100#</u> RP.				
2nd-Gordon: 2504	5 sks. 20/4	0 sand. 87 ts). 598 .5	5 bbls.	water.	
oal was encountered at40	FeetFeet		Inche	s	
roducing Sand Berea and Go		Salt V	Water	n# 2504'	Feet
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water •	Remarks
Sand and Shale	0	1528	FROM KE	S= 830°	
Injun	1528	1768	1		•
Sand and Shale	1768	2155			·
Berea	2134 2154	2164			•
Sand and Shale	2164	2502			
Gorden	2502	2529			
Sand and Shale	2529	2675			

2675

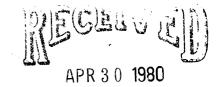
TOTAL DEPTH

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
		-				
*						
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•			era.	·		
1						
			-			
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				,		
			•	Date	July 15, 1981	19

Thomas E. Riley, P. F.

APPROVID Berea Oil and Gas Corp.





DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE April 30, 1980
Surface Owner William Moore	Company Berea Oil Gas Corp.
Address 920 32nd St., Parkersburg, W. V	
Mineral Owner Same	Farm Moore Acres 50
Address	Location (waters) Slate Run
Coal Owner same	# 2
Address	
Coal Operator none	QuadrangleValley Mills
S PERMIT MUST BE POSTED AT THE WELL SITE	· · · · · · · · · · · · · · · · · · ·
provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved	
. This permit shall expire in	INSPECTOR
crations have not commenced by 1-13-81	TO BE NOTIFIED Paul Goodnight
Notet to less	ADDRESS Smithville, W. Va.
Deputy Director - Oil & Gas Division	PHONE 477-3660
GENTLEMEN:	and the state of the
	upon the above named farm or tract of land for oil and gas, having f
OIL AND GAS WELL ORIGINALLY 1	PERREDRILLFRACTURE OR STIMULATE DRILLED BEFORE JUNE 5, 1969.
have been notified as of the above date.	ngineer or licensed land surveyor and all coal owners and/or operator
to make by Section 3 of the Code, must be received	by, or filed with the Department of Mines within ten (10) days. *
or coal owners at their above shown respective addr	nailed by registered mail, or delivered to the above named coal operator ress before, or on the other Department of Mines at Charleston, West Virginia.
PLEASE SUBMIT COPIES OF ALL	Very truly yours, Mark Schumacher
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Mell Operator
WEST VIRGINIA GEOLOGICAL AND	652 Empire Bank Building Fourth & Main Streets
ECONOMIC SURVEY	Address Street
P. O. BOX 879 MODERATION UPST VIRCINIA 26505	of Well Operator <u>Clarksburg</u>
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	City or Town
The second section of the second seco	W. Va
The second secon	State State
a - Tillian - Tillian - معروض دروه دروه می مسئول در افزار در این در ا	The course of the control of the con
*SECTION 3 If no objections are filed or found notice and plat by the department of mines; to said proposed	by the Department of mines, within said period of ten days from the receipt of location, the department shall forthwith issue to the well operator a permit reciting the coal operators of found thereto by the department and that the same is approved the coal operators of found thereto by the department and that

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by .

47-107-1012

PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

DRILLING CONTRACTOR: (IF	Known)	RESPONSIBLE AGEN	
NAME	•	•	
		_ NAME Mark Schuma	acher
ADDRESS			sburg, W. Va.
ELEPHONE			524–6429
STIMATED DEPTH OF COMP		ROTARY XX	_ CABLE TOOLS
ROPOSED GEOLOGICAL FOR	MATION: Gordon		
YPE OF WELL: OIL_	X GASX	COMB. X STORA	GE DISPOSAL
•	RECYCI	LING WATER F	LOODOTHER
ENTATIVE CASING PROGRAI	M:		•
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
) - 16	DRILLING	WELL	OR SACKS - COBIC F1.
3 - 10			
- 5/8			
- 5/8 XX	250	250	Surface
½			
XX XX	T. D.	T. D.	400'
			Perf. Top
ners			Perf. Bottom Perf. Top
			Perf. Bottom
D DRILL:	OF OG - 1, \$100.00 PERM	BY WHOM?_	
SUBMIT FIVE (5) COPIES OF PLAT. DRILL DEEPER OR REDRIE SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR OF MUST ALSO BE SUBMITTE FRACTURE - STIMULATE: BOND, PERMANENT PLAT	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIG TO 1929, A PERMANENT OF ED. RIGINALLY DRILLED BEFO	GIT FEE, PERFORMANCE GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD (6) COPIES OG - 1, PERFORMANCE
SUBMIT FIVE (5) COPIES OF PLAT. DO DRILL DEEPER OR REDRIE SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINATED OF THE SECOND	GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CCORD. AND/OR AFTER JUNE 5, 1 E BOND.	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD (5) COPIES OG - 1, PERFORMANCE
SUBMIT FIVE (5) COPIES OF PLAT. D DRILL DEEPER OR REDRIE SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINATED OF THE SECOND	GIT FEE, PERFORMANCE GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CCORD. AND/OR AFTER JUNE 5, 1 E BOND. completion for bond release	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O) COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- e. Inspector to be notified twenty
SUBMIT FIVE (5) COPIES OF PLAT. DRILL DEEPER OR REDRII SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU Required forms must be file	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINATED OF THE SECOND	GIT FEE, PERFORMANCE GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CCORD. AND/OR AFTER JUNE 5, 1 E BOND. completion for bond release	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD (5) COPIES OG - 1, PERFORMANCE
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DRILL: SUBMIT FIVE (5) COPIES OF PLAT. DRILL DEEPER OR REDRII SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE FRACTURE - STIMULATE: OIL AND/OR GAS WELL O BOND, PERMANENT PLAT MOIL AND/OR GAS WELL O ING ORIGINAL PERMIT NU Required forms must be file four (24) hours in advance. The following waiver must	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINATED RIGINALLY DRILLED BEFORMANCH OF AND ORIGINAL WELL RESIDER, AND PERFORMANCH WITHIN THE PROPERTY OF AND MARKET OF AND PERFORMANCH OF AND PERFORMA	GIT FEE, PERFORMANCE GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CCORD. AND/OR AFTER JUNE 5, 1 E BOND. completion for bond releas	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW e. Inspector to be notified twenty
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SUBMIT FIVE (5) COPIES OF PLAT. DEPLAT. SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE DEPLAT. DEP	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINATED A PERMANENT OF SED. RIGINALLY DRILLED BEFORMANCE AND ORIGINAL WELL RESIDED AND PERFORMANCE OF SET OF SE	GIT FEE, PERFORMANCE GINAL PERMIT NUMBER A COPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CCORD. AND/OR AFTER JUNE 5, 1 E BOND. completion for bond release occator if the permit is to b Coal Company, Own maps this proposed well loc	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O) COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- e. Inspector to be notified twenty e issued within ten days of receip ner or Operator of the coal under action.
SUBMIT FIVE (5) COPIES OF PLAT. D DRILL DEEPER OR REDRII SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTE OF FRACTURE - STIMULATE: OF FRACTURE - STIMULAT	OF OG - 1, \$100.00 PERM LL: OF OG - 1, SHOWING ORIGINAL TO 1929, A PERMANENT OF THE PROPERTY	GINAL PERMIT NUMBER ACOPY OF THE PLAT AND CORE JUNE 5, 1929, FIVE (5) CORD. AND/OR AFTER JUNE 5, 1 E BOND. completion for bond release correction for bond release corrections to be company. Own maps this proposed well located to be completed to be company. Own maps this proposed well located to be completed to be company.	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- e. Inspector to be notified twenty- ner or Operator of the coal under
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