



FORM IV-6

[08-79]

J-20 MAP

Date: Feb 25, 1981

Operator's Well No. E. McCray No. 1

API Well No. 47-2-114-3289 State County Permit

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

WELL PLAT

WELL TYPE: Oil Gas Liquid Injection Waste Disposal
(If "Gas", Production Underground Storage Deep Shallow

LOCATION: Elevation _____ Watershed Three Mile
District Sheridan County Calhoun Quadrangle Harrisville

SURFACE OWNER E. McCray, Heirs - Vera Snider, Agent Farm acreage 67

OIL & GAS ROYALTY OWNER E. McCray Lease acreage 67 Lease No. _____

PROPOSED WORK: Drill Convert Drill deeper Redrill Fracture or stimulate
Plug off old formation Perforate new formation

Other physical change in well (specify): Applying for API well No. and NCPA section 108 stripper well

Plug and abandon Clean out and replug

TARGET FORMATION Toxov Sands Estimated depth 1862

WELL OPERATOR N.G. & K.E. Busch DESIGNATED AGENT R. E. Busch

Address Oba Richter Oil Co. Brohard, WV 26138 Address Brohard, WV 26138

[08-78]

WELL OPERATOR'S REPORT
OF

Operator's Well No. E. McCray No. 1
API Well No. 47-031-0289
State Code 013-5289 Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: N/A Watershed: Three Mile
District: Sheridan County: Calhoun Quadrangle: Harrisville

WELL No. N/A E. Busch DESIGNATED AGENT K. E. Busch
Address dba ENTER CIL Co. Brohard, WV 26138
Brohard, WV 26138

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify): Applying for API well No. and section 103 of the NGPA of 1978

PERMIT ISSUED ON _____, 19____

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED)

Name Richard J. Morris
Address P.O. Box 372 Grantsville, WV 26147

GEOLOGICAL TARGET FORMATION: Keener/Injun Depth 1836 feet

Depth of completed well, 1862 feet Rotary / Cable Tools

Water strata depth: Fresh, N/A feet; salt, N/A feet.

Coal seam depths: None Is coal being mined in the area? No

Work was commenced _____, 19____, and completed Sept. 25, 1982

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Minds
Fresh water								
Coal								Sizes
Intermediate	6 5/8"					1220	1220	
Production	5 3/16"					1700	1700	Deaths set
Tubing								
Liners								Perforations:
								Top Bottom
								1700 to 1862

OPEN FLOW

Producing formation Keener/Injun Pay zone depth 1816 feet

Gas: Initial open flow, N/A Mcf/d Oil: Initial open flow, N/A Bbl/d

Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, _____ hours

Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

[If applicable due to multiple completion--]

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, _____ hours

Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

15-0350 410
MAR 1 1981

FERC-121

OIL & GAS DIVISION
DEPT. OF ENERGY

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>0132 3289</u>			
2.0 Type of determination being sought: (Use the codes found on the front of this form)	<u>108</u> Section of NGPA		<u>T</u> Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>N.G. & K.E. Busch dba RICHTER OIL CO.</u>			
	Name		Seller Code	
	<u>Brohard</u>		<u>WV</u>	<u>26138</u>
	City		State	Zip Code
5.0 Location of this well: (Complete (a) or (b).)	<u>Sheridan District</u>			
(a) For onshore wells (35 letters maximum for field name.)	Field Name		State	
	<u>Galhoun</u>		<u>WV</u>	
(b) For OCS wells:	Area Name		Block Number	
	_____		_____	
	Date of Lease:		OCS Lease Number	
	Mo. Day Yr.		_____	
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>E. McCray No. 1</u>			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Pennzoil Company</u>			<u>014730</u>
	Name			Buyer Code
(b) Date of the contract:	<u>8-1-80</u>			
	Mo. Day Yr.			
(c) Estimated annual production:	<u>0.250</u> MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>0.250</u>	<u>0.024</u>	---	<u>0.274</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>3.855</u>	<u>0.245</u>	---	<u>3.100</u>
9.0 Person responsible for this application:	<u>K. E. Busch</u> Designated Agent			
Agency Use Only	Name		Title	
Date Received by Juris. Agency	<u>K. E. Busch</u>		Signature	
<u>MAR 10 1981</u>	<u>Feb 25, 1981</u>		Date Application is Completed	
Date Received by FERC	<u>304-477-3527</u>		Phone Number	

JUN 23 1981

BUYER-SELLER CODE

PARTICIPANTS:

DATE:

WELL OPERATOR:

N. G. & K. E. Busch dba Richier Oil Co.

N. A

FIRST PURCHASER:

Pennzoil Company

014730

OTHER:

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

81-3-10-108-DIB-3289

Qualific J. H. Huggay

Use Above File Number on all Communications Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 / Items not completed - Line No. 7.0 & 8.0

2. IV-1 Agent: / R. E. Busch

3. IV-2 Well Permit /

4. IV-6 Well Plat /

5. IV-35 Well Record / Drilling / Deepening -

6. IV-36 Gas-Oil Test: / Gas Only - Was Oil Produced? - Ratio -

7. IV-39 Annual Production 2- years

8. IV-40 90 day Production 92 Days off line: -

9. IV-48 Application for certification. Complete? /

10-17. IV Form 51 - 52 - 53 - 54 - 55 - (56) - 57 - 58 Complete? / Affidavit Signed /

18-28. Other: Survey - Logs - Geological Charts -

Structure Map - 1: 4000 Map - Well Tabulations -

Gas Analyses -

(5) Date commenced: N.A Date completed 9-25-77 Deepened -

(5) Production Depth: 1816

(5) Production Formation: Beanes / Union

(5) Final Open Flow: N.A

(5) After Frac. R. E. N.A

(6) Other Gas Test: -

(7) Avg. Daily Gas from Annual Production: $\frac{204}{765} = 0.6 \text{ mcf}$, No Oil

(8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{97}{92} = 1.0 \text{ mcf}$, No Oil

(8) Line Pressure: 21.5 PSIG from Daily Report

(5) Oil Production: - From Completion Report -

2-17. Does lease inventory indicate enhanced recovery being done NO

2-17. Is affidavit signed? / Notarized? /

Does official well record with the Department confirm the submitted information? yes

Additional information - Does computer program confirm? -

Was Determination Objected to - By Whom? -

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

Date Feb 25 19 81

Operator's Well No. E. McGray No. 1

API Well No. 47 State 013 County 3289 Permit N/A

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 100

DESIGNATED AGENT K. E. Busch

ADDRESS Brohard,
W.V. 26138

WELL OPERATOR N. G. & K. E. Busch

ADDRESS dba RICHTER OIL Co.

Brohard, W.V. 26138

LOCATION: Elevation N/A

Watershed Three Mile

Dist. Sheridan County Calhoun Quad Harrisville

GAS PURCHASER PENNZOIL COMPANY

ADDRESS P. O. Drawer 1588

Parkersburg, W.V. 26101

Gas Purchase Contract No. 1772

Water Chart Code 2052

Date of Contract 8-1-80

* * * * *

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

67 Acre Lease

1220 Ft. 6 5/8" Casing

1700 Ft. 5 3/16" Casing

Pipeline and equipment necessary to connect to purchaser.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, EIO Tax Records and royalty payment records) and indicate the location of such records:

Sales records

B&o tax records.

Royalty payment records

Operating and production expenses

Records beginning 1-1-80 are located at Brohard, W.V. 26138

Records before 1-1-80 are located at the office of Stanley D'Orazio
P. O. Box 147
Grantsville, W.V. 26117

Describe the search made of any records listed above:

Search of all available records located at Brohard, W.V. 26138

Search of all records made available to by Stanley D'Orazio, previous agent

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No X. If yes, indicate the type and source of the information

AFFIDAVIT

I, K. E. Busch, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

K. E. Busch

STATE OF WEST VIRGINIA.

COUNTY OF Wirt TO WIT:

I, Carolyn Kay Bonnett, a Notary Public in and for the state and county aforesaid,

do certify that K. E. Busch, whose name is signed to the writing above, bearing date the 19th day of Feb, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 19th day of Feb, 1981.

My term of office expires on the 18th day of July, 1982.

Carolyn Kay Bonnett
Notary Public

[NOTARIAL SEAL]

IV-39-WC

STATE OF WEST VIRGINIA
DEPARTMENT - MINES
DIVISION - OIL AND GAS

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF @ 14.73
OIL IN BARRELS @ 60 DEGREES

REPORT DATE
Feb 25 1981

OPERATOR N.G. & K.E. Busch dba Richter Oil Co.

YEAR 1979

API N/A	FARM E. McCray No. 1					COUNTY Calhoon					AVG. FLOW PRESSURE 2 lbs.			SHUT-IN PRESSURE N/A			TOTALS
GAS MCF	11	11	11	6	6	6	7	7	7	6	8	8				GAS	365
OIL BBL	J-0	F-0	M-0	A-0	M-0	J-0	J-0	A-0	S-0	O-0	N-0	D-0				OIL	0
DAYS ON LINE	31	28	31	30	31	30	31	31	30	31	30	31					365

YEAR 1980

API N/A	FARM E. McCray No. 1					COUNTY Calhoon					AVG. FLOW PRESSURE 2 lbs			SHUT-IN PRESSURE N/A			TOTALS
GAS MCF	12	16	10	9	8	8	15	15	14	15	41	41				GAS	304
OIL BBL	J-0	F-0	M-0	A-0	M-0	J-0	J-0	A-0	S-0	O-0	N-0	D-0				OIL	0
DAYS ON LINE	31	29	31	30	31	30	31	31	30	31	30	31					366

SUMMARIZATION SCHEDULE
Section 271.804 (b)

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS	WELL NAME	API NUMBERS	WELL NAME
W. J. Kelly No. 1	N/A	E. P. Haught No. 2	N/A
M. J. Kelly No. 2	N/A	E. P. Haught No. 3	N/A
W. J. Kelly No. 3	N/A	E. P. Haught No. 4	N/A
M. J. Kelly No. 4	N/A	E. P. Haught No. 5	N/A
	N/A	E. P. Haught No. 8	N/A
	N/A	E. McCray No. 1	N/A
	N/A	E. McCray No. 2	N/A
	N/A	O. Cooper No. 1	N/A
	N/A	O. Cooper No. 2	N/A
	N/A	Wm. & T. O. Cooper No. 1	N/A
	N/A	C. Havings No. 1	N/A
	N/A	E. S. Raybuck No. 3	N/A
	N/A	E. S. Raybuck No. 5	N/A

IV-39-WC

REPORT OF MONTHLY PRODUCTION
 GAS VOLUMES IN MCF @ 14.73
 OIL IN BARRELS @ 60 DEGREES

REPORT DATE
 Feb. 25, 1981

STATE OF WEST VIRGINIA
 DEPARTMENT - MINES
 DIVISION - OIL AND GAS

OPERATOR N.C. & K.E. Busch dba Richter Oil Co.

YEAR 1979

API N/A	FARM E. McCray No. 2 COUNTY Calhoon												AVG. FLOW PRESSURE @ 2 lbs.	SHUT-IN PRESSURE N/A	TOTALS					
GAS MCF	11	11	11	6	6	6	7	7	7	8	8	8	6	7	8	8	8	GAS	86	
OIL BBL	J-6	F-6	M-6	A-6	M-6	J-6	J-6	A-6	S-6	O-6	N-6	D-6	6	6	6	6	6	6	OIL	72
DAYS ON LINE	31	28	31	30	31	30	31	31	30	31	30	31	30	31	30	31				365

YEAR 1980

API N/A	FARM E. McCray No. 2 COUNTY Calhoon												AVG. FLOW PRESSURE 4.16	SHUT-IN PRESSURE N/A	TOTALS					
GAS MCF	12	16	10	9	8	8	15	15	15	15	11	11	15	11	11				GAS	204
OIL BBL	J-6	F-6	M-6	A-6	M-6	J-6	J-6	A-6	S-6	O-6	N-6	D-6	6	6	6	6	6	6	OIL	72
DAYS ON LINE	31	29	31	30	31	30	31	31	30	31	30	31	31	30	31					366

SUMMARIZATION SCHEDULE
 Section 271.804 (b)

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS	WELL NAME	API NUMBERS	WELL NAME	API NUMBERS	WELL NAME
M. J. Kelly No. 1	N/A	E. P. Haught No. 2	N/A	Z. O. Cooper No. 1	N/A
M. J. Kelly No. 2	N/A	E. P. Haught No. 3	N/A	Z. O. Cooper No. 2	N/A
M. J. Kelly No. 3	N/A	E. P. Haught No. 4	N/A	Wm. & Z. O. Cooper No. 1	N/A
M. J. Kelly No. 4	N/A	E. P. Haught No. 5	N/A	C. Livings No. 1	N/A
	N/A	E. P. Haught No. 8	N/A	E. S. Raybuck No. 3	N/A
	N/A	E. McCray No. 1	N/A	E. S. Raybuck No. 8	N/A
	N/A	E. McCray No. 2	N/A		