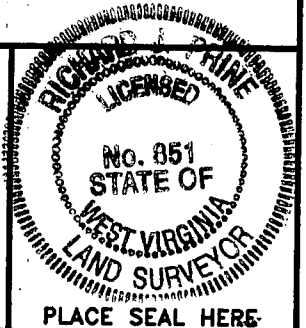


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. 99-224
SCALE 1"=400'
MINIMUM DEGREE OF
ACCURACY 1 IN 200
PROVEN SOURCE OF
ELEVATION APPROX. 1320' SOUTH
WEST OF WELL ELEV. 1171

I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) Richard P. Rine

R.P.E. _____ L.L.S. 851



PLACE SEAL HERE

STATE OF WEST VIRGINIA

Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE MAY 13, 19 99

OPERATOR'S WELL NO. HOFF #1

API WELL NO. _____

47 - 087 - 04253
STATE COUNTY PERMIT

WELL TYPE: OIL ☒ GAS ☒ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION ☒ STORAGE _____ DEEP ☒ SHALLOW _____
LOCATION: ELEVATION 1185 WATER SHED SHAVER FORK OF LEFT HAND RUN
DISTRICT GEARY COUNTY ROANE

QUADRANGLE LOONEYVILLE 7.5

SURFACE OWNER HOBERT COOK ACREAGE 8.17

OIL & GAS ROYALTY OWNER WILLA GROVES HEIRS LEASE ACREAGE 70.32

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): _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION BLACK RIVER ESTIMATED DEPTH 10,500'

WELL OPERATOR BNG PRODUCING & DRILLING INC. DESIGNATED AGENT HARRY C. BOGGS

ADDRESS SPENCER, WV 25276 ADDRESS SPENCER, WV 25276



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

October 29, 2002


Michael O. Callaghan,
Cabinet Secretary

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

BOGGS ENERGY, INC.,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-8704253, issued to BOGGS ENERGY, INC., and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.


JAMES MARTIN
Chief,
Office of Oil and Gas

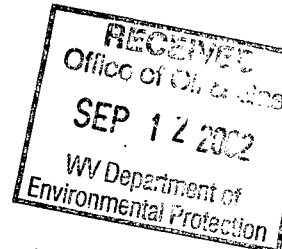
Operator: BOGGS ENERGY, INC.

Operator's Well No: 6455

Farm Name: COOK, HOBERT

API Well Number: 47-8704253

Date Issued: 11/06/2001



11. WAS INSPECTOR ON SITE DURING THE FOLLOWING:

- A. CONSTRUCTION YES ☒ NO ☐ B. DRILLING YES ☒ NO ☐
 C. PIT TREATMENT YES ☐ NO ☒ D. RECLAMATION YES ☒ NO ☐

12. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT WASTE?

- A. SPILLS YES ☐ NO ☒ B. SOLID WASTE YES ☒ NO ☐ 12. (3PTS) 2

13. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAME CONDITIONS?

- A. BLOW OUT PREVENTER YES ☒ NO ☐ B. FLOW LINE YES ☐ NO ☐
 C. FIRE EXTINGUISHER YES ☒ NO ☐ D. OTHERS YES ☒ NO ☐ 13. (3PTS) 3

TOTAL POINTS AVAILABLE FOR QUESTION 14:

14. (18PTS) 1614. WAS ROAD AND LOCATION PROPERLY RECLAIMED? YES ☒ NO ☐

- A. ROADWAY YES ☒ NO ☐ (2PTS) B. LOCATION YES ☒ NO ☐ (2PTS)
 C. PITS YES ☐ NO ☒ (2PTS) D. PIPELINES YES ☒ NO ☐ (2PTS)
 E. TANK DIKES YES ☒ NO ☐ (2PTS) F. GATES & FENCES YES ☒ NO ☐ (2PTS)
 G. API NUMBER INSTALLED YES ☐ NO ☒ (2PTS)
 H. ADEQUATE SEEDING MATERIALS YES ☒ NO ☐ (2PTS)
 I. WAS SEED BED ADEQUATE YES ☒ NO ☐ (2PTS) J. SOIL pH BEFORE _____ AFTER _____
 K. WAS PIT COVERED WITHIN 30 DAYS YES ☐ NO ☒

TOTAL POINTS AVAILABLE FOR QUESTION 15:

15. (15PTS) 0

15. WAS RECLAMATION COMPLETED WITHIN:

- 6 MONTHS OF TD YES ☐ NO ☒ 8 POINTS
 4 MONTHS OF TD YES ☐ NO ☒ 3 POINTS
 2 MONTHS OF TD YES ☐ NO ☒ 4 POINTS

16. TOTAL RECLAMATION SCORE:

21
58
79

DATE

VISITS

8/19/99 Location built + Location Staged + Paled.
 8/30/99 Began mud pumps, water tank + Generator house on location
 9/3/99 Sub-base set up + Denser woods + motors on base.
 9/7/99 Crew repairing on sub-base floor plates + on Derrick
 9/9/99 Crew checking on setting up mud system
 9/14/99 Working on rig + mud system
 9/17/99 Still rigging up, painting + degging pit
 9/28/99 Repaired pit hole digger
 9/30/99 Building chain guards on rig floor for table drill
 10/4/99 Drilling mouse hole
 10/6/99 Compressor problems, weighting on parts
 10/8/99 MOC on conductor 26"
 10/11/99 TD of 24" Hole 125 ft. Requested to Run 29"
 air blowing out between Moll Bore + mouse-hole
 water 46 ft to 58 ft. called Jerry Stephano, agreed to
 Run + Cement 20 ft.
 Ran 125 ft. 20" + Cemented with 140 sacks.
 Drilling on air at 1400 ft. with 17 1/2" Bit
 1700 ft Deep, + drill pipe backed off 3:30 P.M. Left Bore
 on location with fishing tool made up + still left hole
 Rig top section pulled in on fishing job. Crew moving
 drill pipe + pipe to get Derrick down on ground.
 Crew had Cat Derrick down + let fall and were
 cutting up top section to haul to shop.
 11/1/99 Rig all cut up + moved off loc. No one working today
 12/22/99 New Derrick for rig to be built in shop
 Most of new Derrick parts on loc. assembling Derrick.

8/23/02

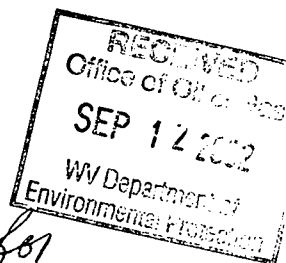
DATE RELEASED

H. H. Dougherty
INSPECTOR

B.N.G. Producing + Drilling Inc.

Cook #6455

47-087-04253

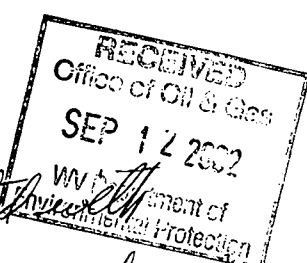


- 10/3/2000 Derrick in air and finishing set up.
- 11/4/00 Rig + Derrick done + Ready to start fishing for Backed off Drillpipe
- 11/5/00 Logging truck + B.J. Hughes pump truck on Loc.
Pulling on fishing tool at 1030ft. Fishing tool not hooked on to Pipe + Collars on Bottom
- 11/7/00 Fishing tool out of hole going to go to fluid + condition Hole
- 11/10/00 Changing flow line to Shale Shaker on Mud system.
- 11/13/00 Cleaning cuttings out of 5 1/2" Drillpipe with power Swivel on air with 1" Drillpipe from 1130ft. to G.D. 1700ft.
- 11/19/00 Washing over one 8" Drill Collar to 8 17 1/2" Hammer Bit
Well was over + Trip and go back in + screw into fish.
- 11/20/00 Rig pulling out of hole with Hydraulic Jars + fish
8" Collar + 17 1/2" Hammer Bit 4:15 P.M.
(Pouring Down snow 4 new inches)
Collar + Bit back on floor that was lost on 10/19/99. Fishing job over.
- 11/24/00 Starting rig back up today had been shut down since fishing job.
- 11/27/00 Rig shut down no one working today.
- 1/31/00 Thawing out steel pits, flow lines + pumps.
- 2/3/00 1705 ft. deep just back on bottom Drilling on fluid
- 2/4/00 Drilling on fluid at 1775 ft. 17" Bit Core.
- 2/7/00 Had run + Cemented 1796 ft of 13 3/8" pipe
Reg W.O.C.
- 2/16/00 Crew nipping up on 13 3/8" Setting BOP + flow line
- 2/14/00 306 ft Deep on air 12 1/4" Bit
- 2/16/00 Drilling on air at 4043 ft. 12 1/4" Bit
- 2/18/00 Rig shut down Bearing out of Rig Compound Drive
41300 ft. Deep.
- 2/23/00 5528 ft. Deep on air with 12 1/4" Bit
- 2/25/00 G.D. of 12 1/4" Hole 6025 ft. for Setting 9 5/8" Pipe
60 ft. Below Oriskany

BK6 Producing + Drilling

47-087-04253

Cook # 6455



- 2/28/00 Ran 6003 ft. of 9 5/8" casing and cemented 165 Sacks By B. J. Hughes
- 3/2/00 No one working on Rig today Crew in H2S. Training
- 3/3/00 Nippling up on 9 5/8" casing
- 3/6/00 Water unloaded from 9 5/8" Cement job. Shoe drilled off + Drying up hole
- 3/9/00 6050 ft. Deep hole wet going to squeeze cement formation.
- 3/10/00 6234 ft. Deep out of hole for 8 3/4" Bit Trip.
- 3/13/00 7600 ft Deep on air with 8 3/4" Bit going to Trip at 7700 ft.
- 3/15/00 8070 ft. Deep on air
- 3/17/00 Drill String hung. going to back off Bottom Collar.
- 3/23/00 Fishing for Collar + Bit
- 3/27/00 Running Drill pipe in well to Cement on Top of 13 lost Drill Collars + Bit. Will drill around.
- 4/3/00 L.D. of 8 3/4" Hole for 7" Casing 8020.
- 4/11/00 Tripping 3 1/2" Drill pipe in Hole Tested Rams + Bop on 4/9/00
- 4/18/00 9360 ft. Deep going on Fluid 6 1/4" Bit
- 4/26/00 Running Drill pipe in Hole Will control people from Michigan on Location
- 5/1/00 9700 ft. Deep on Fluid
- 5/4/00 Drilling on Fluid at 10215 ft. 6 1/4" Bit
- 5/5/00 L.D. of Well 10352 on 11 lb. Mud.
- 8/23/02 Finished Reclamation on Location for the 3rd. Time Limed, Fertilized, seeded + Mulched. Reclamation OK to Release on Location

H. H. Dougherty

087-4253

State of West Virginia
Division of Environmental Protection
Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Hoff H 1 #1
Fresh water
Frac.

Company Name: BNG Producing & Drilling inc
API: 47-087-4523 County: Raone
District: Smithfield
Farm Name: Hoff #1 Well No: #1
Discharge Dates/s From:(MMDDYY) 11-01 TO:(MMDDYY) 11-05
Discharge Times : From TO
Disposal Option Utilized: UIC (2): Permit No.
Centralized Facility (5): Permit No.
Reuse (4): Alternate Permit Number:
Offsite Disposal(3): Site Location:
Land Application(1):^{xx} (Include a topographical map of the Area.)
Other method(6): (Include an explanation)

Follow Instructions below to determine your treatment category.

Optional Pretreatment test: Cl- mg/l DO Mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) Y If yes who? Mike Lewis, and place a four (4) on line 7. If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) If yes go to line 5 if not go to line 3
3. Do you have a chloride value pretreatment (see above)? (Y/N) If yes go to line 4 if not go to line 5
4. Is that chloride level less than 5000 mg/l? (Y/N) If yes then enter a one (1) on line 7
- 5 Do you have a pretreatment value for DO? (See above) (Y/N) If yes then go to line 6 if not enter a three (3) in line 7.
- 6 Is that DO greater than 2.5 mg/l?(Y/N) If yes then enter a two (2) on line 7 If not enter a three (3) on line 7.

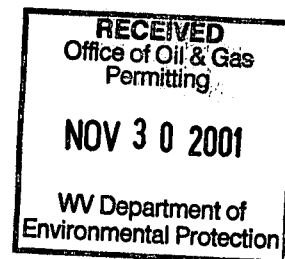
7. 4 is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer Jerry C Boggs
Title of Officer Secretary
Date Completed: 11-26-01

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

Signature of a Principal Exec. Officer or Authorized agent

Jerry C Boggs
Signature



WR-34

Page 3 of 3

Category 3

Sampling Results

API NO :

Parameter	Predischage		Discharge		Units
	Limit	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	20	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	.5	_____	.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**			Monitor	_____	mg/l
Al***			Monitor	_____	mg/l
TSS			Monitor	_____	mg/l
Mn	Monitor	_____	Monitor	_____	mg/l
Volume			Monitor	_____	Gals.
Flow			Monitor	_____	Gals
Grease and Oil			Monitor	_____	mg/l
Disposal Area			Monitor	_____	Acres

* Can Be 25,000 with inspectors approval,

(Inspector) _____ Date: _____

** Include a description of your aeration technique.

*** Al is only reported if the pH is above 9.0

Category 4

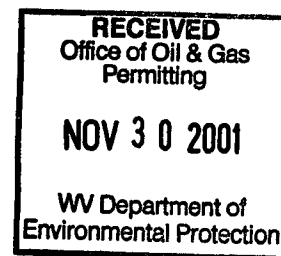
Sampling Results

API NO :

Parameter	Predischage		Discharge		Units
	Limit	Reported	Limits	Reported	
pH	6-10	<u>7.72</u>	6-10	_____	S.U
Settling Time	1	_____	N/A	N/A	Days
Fe	Monitor	<u>3.2</u>	Monitor	_____	mg/l
D.O.	Monitor	_____	Monitor	_____	mg/l
Settleable Sol.	Monitor	<u>3/0</u>	Monitor	_____	mg/l
Cl*	12,500	<u>54</u>	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC			Monitor	_____	mg/l
TSS			Monitor	_____	mg/l
Oil and Grease			Monitor	_____	mg/l
Mn	Monitor	_____	Monitor	_____	mg/l
Volume		<u>4400 BNS</u>	Monitor	_____	Gals.
Flow			Monitor	_____	Gals
Activated Carbon	.175	_____	N/A	N/A	lb./bl
Date Site Reclaimed	N/A	N/A			10 Days from Dis.
Disposal Area			Monitor	_____	Acres

* Can Be 25,000 with inspectors approval,

(Inspector) _____ Date: _____



515501



2.00

1.75 .. 1800 -

to 204, cover ..

150
120
1.70 4

2000 -
1.70 4
000

2300

28
20



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Phone: (304) 558-6076
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Michael O. Callaghan
Secretary

November 06, 2001

WELL WORK PERMIT

Pit Only Permit

This permit, API Well Number: 47-8704253, issued to BOGGS ENERGY, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

This permit will expire in two (2) years from the issue date.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-558-6342.

James Martin
Interim Chief,
Office of Oil and Gas

Operator's Well No: 6455

Farm Name: COOK, HOBERT

API Well Number: 47-8704253

Permit Type: Pit Only Permit

Date Issued: 11/06/2001



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Boggs Producing & Drilling Inc OP Code 6455

Watershed Shaver Fork Quadrangle Looneyville 7.5

Elevation 1185 County Roane District Geary

Description of anticipated Pit Waste: FRESH water, from frac

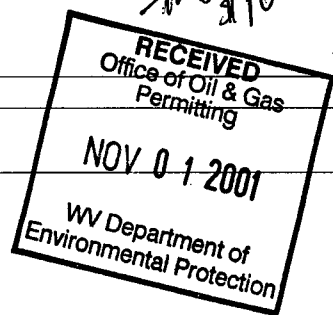
Will a synthetic liner be used in the pit? NO

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application
☐ Underground Injection (UIC Permit Number _____)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- ☐ Drilling ☐ Swabbing
☐ Workover ☐ Plugging
☒ Other (Explain Dispose of water)



I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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 thereto 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 or imprisonment.

Company Official Signature Jeffery C. Boggs

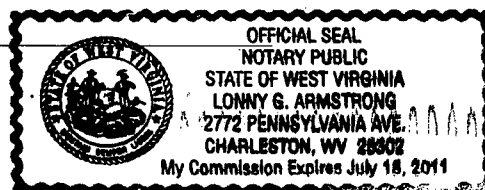
Company Official (Typed Name) Jeffery C. Boggs

Company Official Title Secretary

Subscribed and sworn before me this 2nd day of November, 2001

Lonny G. Armstrong Notary Public

My commission expires July 18, 2011



\$100.
CK. #1035

LEGEND

Property Boundary	Diversion
Road	Spring
Existing Fence	Wet Spot
Planned Fence	Drain Pipe with size in inches
Stream	Waterway
Open Ditch	Cross Drain
Rock	Artificial Filter Strip
North	Pit: cut walls
Buildings	Pit: compacted fill walls
Water wells	Area for Land Application of Pit Waste
Drill site	

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
orchard grass	15		
Ladino	5		
Rye on Banks	20		

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

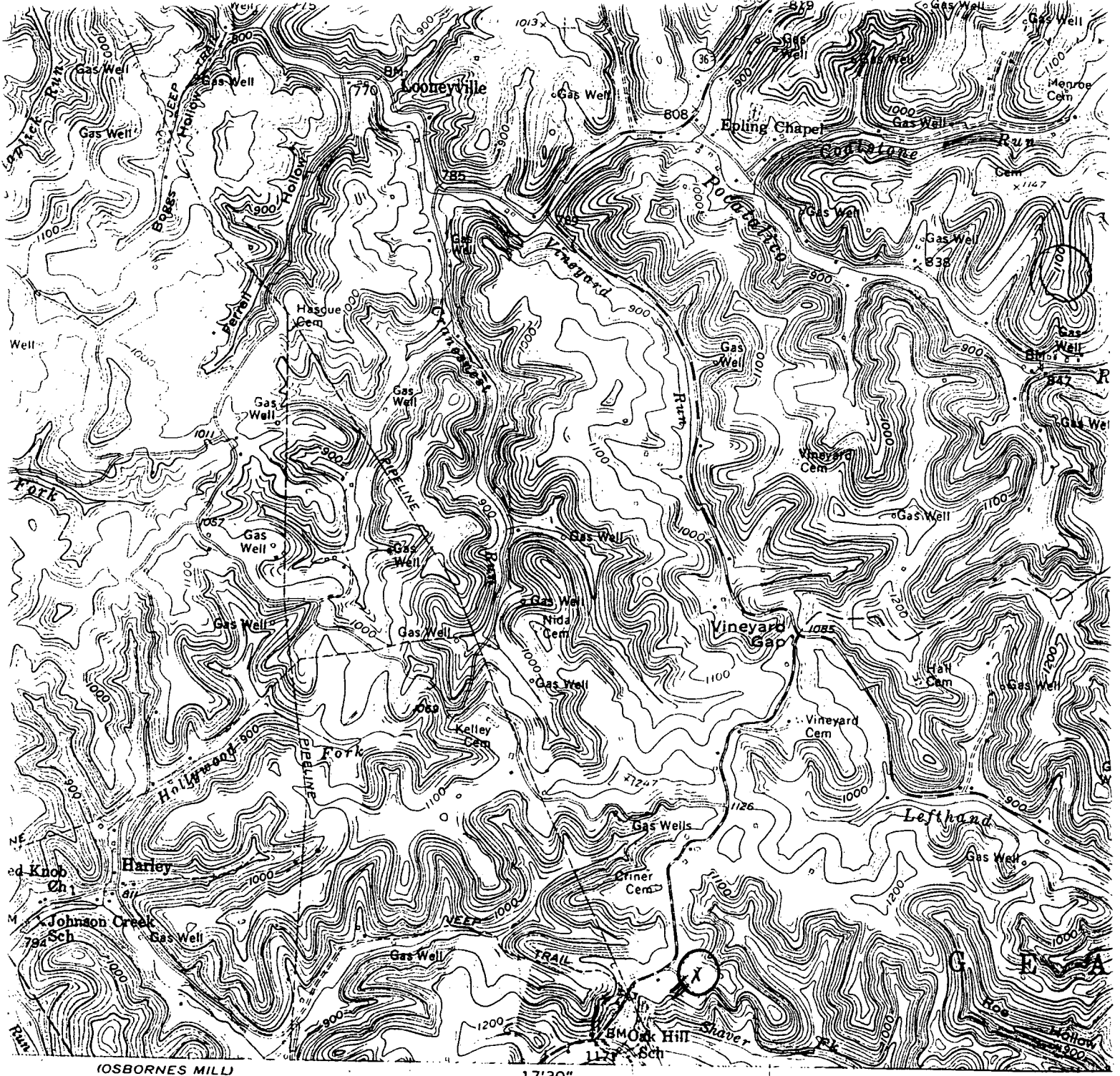
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

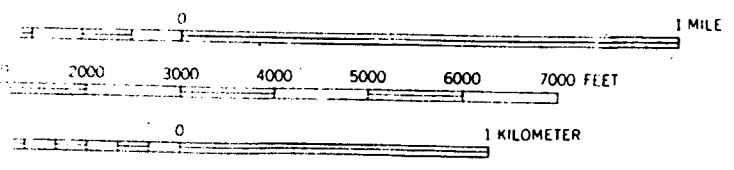
Title: _____

Date: _____

H. H. Dougherty
11/2/01 Desert Club
11/2/01



SCALE 1:24000



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

IMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
U.S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BNG Producing & Drilling Inc.
HOFF # I



QUADRANGLE LOCATION

Heavy-duty ROAD
Medium-duty
U.S. Route

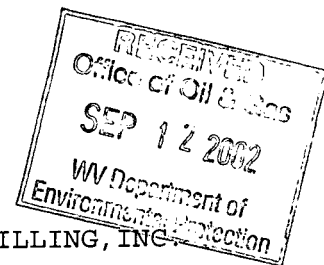
RECEIVED
Office of Oil & Gas
Permitting

JUN 01 1999

WV Division of
Environmental Protection

47-087-04253

INSPECTOR'S PERMIT SUMMARY FORM



DATE STARTED/LOCATION: 8/2/99
DRILLING COMMENCED: 10/6/99
TD DATE: 5/5/00 DEPTH: 10352

API# 47- 87-04253
OPERATOR: BNG PRODUCING & DRILLING, INC.
FARM: COOK, HOBERT
WELL NO.: 6455
COAL DEPTHS No Coal

WATER DEPTHS

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS:

YES ☒ NO ☐ (6 POINTS)

RAN 125 FEET OF 20" PIPE ON 10/12/99 CEMENTED WITH 140 SACKS (CIRCULATED) YES ☒ NO ☐
RAN 1796 FEET OF 13 3/4" PIPE ON 2/6/00 CEMENTED WITH SACKS (CIRCULATED) YES ☒ NO ☐
RAN 2003 FEET OF 17 1/2" PIPE ON 2/28/00 CEMENTED WITH 165 SACKS (CIRCULATED) YES ☐ NO ☒
RAN 8086 FEET OF 2 1/2" PIPE ON 4/4/00 CEMENTED WITH SACKS (CIRCULATED) YES ☐ NO ☒

PIT DISCHARGE DATE: TYPE: WEATHER CONDITIONS: LAND:

ACRES DISCHARGED: PIT VOLUME: PIT ADDITIVES:

FIELD ANALYSIS: pH Fe mg/l cl mg/l D.O. mg/L toc mg/L

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-28, 22-6-30, 22-6-6, 22-6-7, AND 22-6-27 AND REGULATION 38CSR 18-9.2.3, 38CSR 18-12.1, 38CSR 18-16.5, 38CSR 18-16.6.

TOTAL POINTS AVAILABLE FOR QUESTION 2:

2. (10 POINTS) 8

2. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:

A. CONSTRUCTION YES ☒ NO ☐ (2 PTS) B. DRILLING YES ☒ NO ☐ (2 PTS)
C. PIT TREATMENTS YES ☒ NO ☐ (2 PTS) D. PIT DISCHARGE YES ☒ NO ☐ (2 PTS)
E. RECLAMATION YES ☐ NO ☒ (2 PTS)

3. DID THE OPERATOR HAVE PERMIT ON SITE? YES ☒ NO ☐

3. (4 POINTS) 4

4. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES ☒ NO ☐

4. (4 POINTS) 4

5. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES ☐ NO ☐ 5. (4 PTS) 4

TOTAL POINTS AVAILABLE FOR QUESTION 6:

6. (21) POINTS 21

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?

A. ROAD DITCHES YES ☒ NO ☐ (3PTS) B. CROSS DRAINS YES ☒ NO ☐ (3PTS)
C. CULVERTS YES ☒ NO ☐ (3PTS) D. CREEK CROSSINGS YES ☒ NO ☐ (3PTS)
E. DIVERSION DITCHES YES ☒ NO ☐ (3PTS) F. BARRIERS YES ☒ NO ☐ (3PTS)
G. TEMPORARY SEEDING YES ☒ NO ☐ (3PTS)

7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES ☒ NO ☐

7. (2 PTS) 2

8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 38CSR-9.2.3 AFTER CONSTRUCTION? YES ☒ NO ☐

8. (3 PTS) 3

9. IS THE PIT PROPERLY INSTALLED?

YES ☒ NO ☐

A. WALLS COMPACTED YES ☒ NO ☐, CUT YES ☒ NO ☐

B. FREE OF DEBRIS BEFORE LINING YES ☒ NO ☐

C. LINED YES ☒ NO ☐

D. FLUIDS CONTAINED YES ☒ NO ☐

E. FREE OF NON EXEMPT/RESTRICTED MATERIALS YES ☐ NO ☒

F. PROPERLY TREATED YES ☐ NO ☒

9. (6 PTS) 6

10. DID INSPECTOR APPROVE ALL MODIFICATIONS YES ☒ NO ☐

TOTAL POINTS PAGE 1 (60 PTS) 58

087-4253

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: BNG Producing & Drilling Inc

API: 47-037-4253 County: Roane

District: Smithfield

Farm Name: Hoff #1 Well No: #1

Discharge Dates/s From:(MMDDYY) TO:(MMDDYY) May 2000

Discharge Times : From TO

Disposal Option Utilized: UIC (2): Permit No.

Centralized Facility (5): Permit No.

Reuse (4): Alternate Permit Number:

Offsite Disposal(3): Site Location:

Land Application(1): (Include a topographical map of the Area.)

Other method(6):XX (Include an explanation) Ace Tank hauled off pit fluid

Follow Instructions below to determine your treatment category.

Optional Pretreatment test: Cl- mg/l DO Mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) N If yes who? , and place a four (4) on line 7. If not go to line 2

2. Was Frac Fluid or flowback put into the pit? (Y/N) N If yes go to line 5 if not go to line 3

3. Do you have a chloride value pretreatment (see above)? (Y/N) N If yes go to line 4 if not go to line 5

4. Is that chloride level less than 5000 mg/l? (Y/N) If yes then enter a one (1) on line 7

5 Do you have a pretreatment value for DO? (See above) (Y/N) N If yes then go to line 6 if not enter a three (3) in line 7.

6 Is that DO greater than 2.5 mg/l? (Y/N) If yes then enter a two (2) on line 7 If not enter a three (3) on line 7.

7. 3 is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer Jeffery C. Boggs

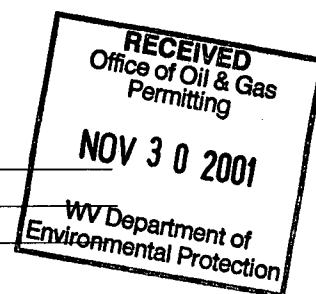
Title of Officer Secretary

Date Completed: 11-20-2001

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

Signature of a Principal Exec. Officer or Authorized agent

Signature



NOV 07 2001

Category 3
Sampling Results
API NO :

087-4523

SALT Flair Hauled
out by ACE TANK

Parameter	Predischarge Limit	Reported	Discharge Limits	Reported	Units
pH	6-10	_____	6-10	_____	S.U
Settling Time	20	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	.5	_____	.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gals.
Flow		_____	Monitor	_____	Gals
Grease and Oil		_____	Monitor	_____	mg/l
Disposal Area		_____	Monitor	_____	Acres

SEE ATTACHED
Invoice Sheets

* Can Be 25,000 with inspectors approval,

(Inspector) _____

Date: _____

** Include a description of your aeration technique.

*** Al is only reported if the pH is above 9.0

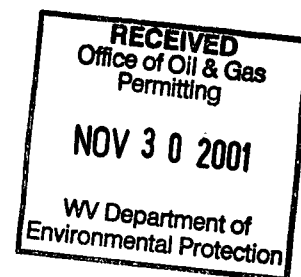
Category 4
Sampling Results
API NO :

Parameter	Predischarge Limit	Reported	Discharge Limits	Reported	Units
pH	6-10	_____	6-10	_____	S.U
Settling Time	1	_____	N/A	N/A	Days
Fe	Monitor	_____	Monitor	_____	mg/l
D.O.	Monitor	_____	Monitor	_____	mg/l
Settleable Sol.	Monitor	_____	Monitor	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gals.
Flow		_____	Monitor	_____	Gals
Activated Carbon	.175	_____	N/A	N/A	lb./bl
Date Site Reclaimed	N/A	N/A			10 Days from Dis.
Disposal Area		_____	Monitor	_____	Acres

* Can Be 25,000 with inspectors approval,

(Inspector) _____

Date: _____



RECEIVED
Office of Oil & Gas
Permitting
NOV 30 2001
WV Department of
Environmental Protection

**Tank Rental
Inc.**

PO Box 519, Buckhannon, WV 26201, Phone: 472-1363

TO:

Boggs Drilling
PO Box 148
Spencer, WV 25276

May 24, .

DATE OF INVOICE _____

[illegible]



PO Box 519, Buckhannon, WV 26201, Phone: 472-1363

TERMS

MAY 12 2000

RECEIVED
Office of Oil & Gas
Permitting
NOV 30 2001
WV Department of
Environmental Protection

TO:

Boggs Natural Gas
PO Box 148
Spencer, WV 25276

May 11, 2000

DATE OF INVOICE

[illegible]

WORK ORDER AND DELIVERY TICKET

TANK RENTAL, INC.

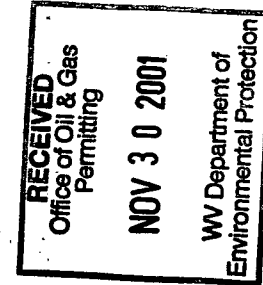
P.O. Box 519
Buckhannon, WV 26201

No. 8411

Phone: (304) 472-1363

Lease Name or No. Boggs
Well owned by Carper Well Service
P.O. Box 273, Reno, Ohio 45773
Lackey #5 Disposal Well

Date: 5-16-00
UIC No. 261



Description of Material Hauled or Service Performed	Amount
Brine: Pit Water	56608
<u>Production Brine</u> Houff #1	120 BBL

This Service Has Been Performed Satisfactorily or Material Received in Good Order

Signed Steve Mayle

TANK RENTAL INC
PO BOX 519
BUCKHANNON WV 26201

no cents**

NO.

DATE
06/08/00

AMOUNT
***2502.00**

THE REVERSE SIDE OF THIS DOCUMENT INCLUDES AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

1101082311 0515033231 18377782112

VOID AFTER (6) MONTHS

0000250200

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Lonny Armstrong
MARTIN TWIST ENERGY

Laboratory Number TA1-J0-P811-C01

Page 1

1,2,3
GRAB

QOC 012505

Date Sampled 10/30/01 15:00

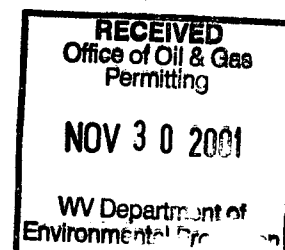
Date Received 10/30/01 18:00

Type F Matrix WATER
Sampled by CLIENT

110101 1458 Ver. 4.0.192

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Elg Limit	Units	S Method	Date/Time/Anal	DilF
IRON, TOTAL	7439-89-6	3.2	0.050	mg/L	EPA200.7	10/31/01 21:34 JWW	1.0
pH		7.72		S.U.	EPA150.1	10/31/01 14:45 TF	1.0
Total Dissolved Solids		310	5.0	mg/L	EPA160.1	10/31/01 16:30 MHS	1.0
Chloride		54	5.0	mg/L	EPA325.2	10/31/01 11:26 blp	1.0
Surfactants / Detergents (MBAS)		0.14	0.030	mg/L	EPA425.1	10/31/01 11:30 MHS	1.0
Fecal Coliform (Membrane Filter)		4000	1000	C/100	SM9222D	10/31/01 08:45 MHS	500



WR-35
Rev (5-01)

DATE:

API #: 47-087-4253

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

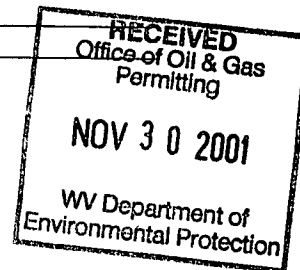
Farm name: Hoff #1 Operator Well No.: #1 - 6455LOCATION: Elevation: 1185 Quadrangle: Looneyville 7.5District: Smithfield County: Roane
Latitude: 38 40 00 Feet South of 38 Deg. 40 Min. 00 Sec.
Longitude Feet West of 81 Deg. 15 Min. 00 Sec.Company: BNG Producing & Drilling Inc1248 Charleston Road
Spencer, Wv 25276

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	20"	110	110	surface
Agent: Jeffery C. Boggs	13 3/8"	1786	1786	surface
Inspector: Homer Dougherty	9 5/8	6018	6018	195
Date Permit Issued: may 1999	7"	7800	7800	1500'
Date Well Work Commenced: June 1999	4 1/2"	10242	10242	1000'
Date Well Work Completed: may 2000				
Verbal Plugging:				
Date Permission granted on:				
Rotary x Cable Rig				
Total Depth (feet): 10,700'				
Fresh Water Depth (ft.): 100'				
Salt Water Depth (ft.): 1300', 6000'				
Is coal being mined in area (N/Y)? no				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Trenton/Black River Pay zone depth (ft) 9700-10700Gas: Initial open flow 1200 MCF/d Oil: Initial open flow Bbl/dFinal open flow 1200 MCF/d Final open flow Bbl/dTime of open flow between initial and final tests 48 HoursStatic rock Pressure 3800 psig (surface pressure) after 24 HoursSecond producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/dFinal open flow MCF/d Final open flow Bbl/dTime of open flow between initial and final tests HoursStatic rock Pressure psig (surface pressure) 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.

Signed: J. H. - [Signature]By: [Signature]Date: 11-26-01List
Formations
From 0' to
TO

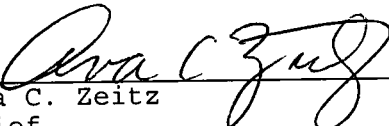
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL WORK PERMIT

This permit, issued to BNG PRODUCING & DRILLING, INC. is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector HOMER DOUGHERTY at 304-543-0781 at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

This permit shall expire within two (2) years from the issue date.



Ava C. Zeitz
Chief
Office of Oil and Gas

Date of Signature: 6/18/99

Operator's Well No: 6455

Farm Name: COOK, HOBERT

API Well Number : 47-087-04253

Date Issued : 6/14/99

Expires two (2) years from issue date.



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

June 11, 1999

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-087-04253 to drill deep well.

COMPANY: BNG Producing & Drilling, Inc.

FARM: Hobert Cook, Willa Groves Heirs/Hoff #1

COUNTY: Roane DISTRICT: Geary QUAD: Looneyville

The application of the above company is Approved for Black River.
(Approved or Disapproved)

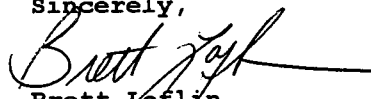
Applicant has complied with the provisions of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner; yes

2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator and; *see below

3.) Provided a plat showing that the proposed location is a distance of 525 feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,


Brett Loflin
Engineer

State of West Virginia
Bureau of Environment
OIL AND GAS CONSERVATION COMMISSION
#10 McJunkin Road
Nitro, West Virginia 25143-2506

Barry K. Lay, Chairman
Michael W. Sinicropi, Member
Denny P. Harton, Member
John H. Johnston, Ex-Officio
Michael C. Castle, Ex-Officio

Telephone (304)759-0516
Fax (304)759-0529

A M E N D E D

March 9, 2000

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-087-04253 to drill deep well.

COMPANY: BNG Producing & Drilling, Inc.

FARM: Hobert Cook/Groves Heirs/Hoff #1

COUNTY: Roane DISTRICT: Geary QUAD: Looneyville

The application of the above company is Approved for Basement.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner(s); yes
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator, none
- 3.) Provided a plat showing that the proposed location is a distance of 525 feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,


Brett Loflin
Program Manager



Office of Oil and Gas
10, McJunkin Road
Nitro, West Virginia 25143-2506
Telephone: (304) 759-0514
Fax: (304) 759-0529

West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael P. Miano
Director

11-Jun-99

BNG PRODUCING & DRILLING, INC.

P. O. BOX 148
SPENCER, WV
25276-0000

Re: Well No. 6455
API No. 47- 87-04253


Dear :

Enclosed is a well work permit which was issued 06/14/99 and applicable forms to be completed for reporting purposes during the well work activity. Please be advised that form WR-35, well operator's report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Should stimulation still be required for the well, a disclaimer for such should be added to WR-35, and a revised WR-35 completed and submitted upon completion of the stimulation.

If there are any questions, please feel free to contact me at 304-759-0517 or Mr. Jamie Stevens at 304-759-0518.

Sincerely,


Ava C. Zeitz, Chief
Office of Oil and Gas

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: BNG PRODUCING & DRILLING INC 4712 (2) 444
- 2) Operator's Well Number: 6455 3) Elevation: 1185
- 4) Well type: (a) Oil / or Gas 47-087- 04253
 (b) If Gas: Production / Underground Storage /
 Deep xx / Shallow
- 5) Proposed Target Formation(s): BLACK RIVER
- 6) Proposed Total Depth: 10,500' feet
- 7) Approximate fresh water strata depths: 200'
- 8) Approximate salt water depths: 1400', 5800'
- 9) Approximate coal seam depths: NONE
- 10) Does land contain coal seams tributary to active mine? Yes / No xx
- 11) Proposed Well Work: DRILL TO 10,500 on Air
- 12)

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Office of Oil & Gas
Permitting

JUN 01 1999

WV Division of
Environmental Protection

27192

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
<u>5/25/99</u> <u>H.H.D.</u> Conductor	20"	<u>.375 wall.</u>	<u>178</u>	<u>409</u> <u>1250'</u>	<u>409</u> <u>1250'</u>	surface <u>400</u> sks
Fresh Water	13 3/8"	J-55	61	2000'	2000'	500' 350 sks
Coal	9 5/8"	N-80	40	6000'	6000'	1500' 400sks
Intermediate	7"	L-80	26	10,000	10,000	2500' 375 sks
Production	4 1/2"	p-100	13.5	10,500	<u>10,500</u>	3000' 350 sks
Tubing	2 3/8"	L-80	4.75	'		<u>380 SR 18 1/1</u>
Liners						

PACKERS : Kind
 Sizes
 Depths set

For Office of Oil and Gas Use Only

01315
☐ Fee(s) paid: ☐ Well Work Permit ☐ Reclamation Fund ☐ WPCP
☐ Plat ☐ WW-9 ☐ WW-2B ☒ Bond Single ☐ Agent
 (Type)

BNG PRODUCING & DRILLING INC.

P.O. BOX 148

882 CHARLESTON ROAD

SPENCER, WV 25276

304-927-1236

Wednesday, May 26, 1999

47-087-04253

WVDEP

OFFICE OF OIL AND GAS

#10 MCJUNKIN ROAD

NITRO, WV 25143

BRETT LOFLIN/JAIME STEVENS

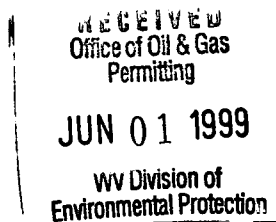
This letter is in regards to the cementing 400' of the 20" surface casing as shown on the enclosed casing design, for the drilling of the Hoff #1 Deep well.

Based on the recommendation of the field inspectors from the office of oil and gas and based on the precedent that Columbia Natural Resources set for the drilling of their well number 087-4250, I am requesting a waiver on the cementing of the 20" casing as follows:

- 1. Drill 26" surface hole to depth of 410'**
- 2. Run 400' of 94#/ft 20" plane end line pipe- welded**
- 3. Run 1 1/2" tubing to 410' inside 20". Pump 62 sks of neat cement through tubing and spot on bottom. Set down 20" on bottom. Wait 24 hours.**
- 4. Run 1 1/2" tubing down backside of 20" and tag top of cement near 385'**
- 5. Pump 39 bbl H2O inside of 20" (100') and 127 sks of cement down 1 1/2" (100' annular) pull tubing wait 4 hours.**
- 6. Run 1 1/2" into annulus tag top of cement near 275'.**
- 7. Pump 39 bbl H2O inside of 20" (100') and 127 sks of cement down 1 1/2" (100' annular). Pull tubing wait 4 hours.**
- 8. Run 1 1/2" into annulus tag top of cement near 75'**
- 9. Pump 30 bbl H2O inside 20" (75') and 95 sks of cement down 1 1/2" (75' annular). Pull tubing wait 4 hours.**

This design will assure that the entire 400' zone will be covered by cement and will decrease the possibility that cement circulation will be lost in a thief zone. By staging the process the collapse pressure of the casing will also be controlled.

If you have any further questions or suggestions please give me a call.



Sincerely,

Jeffery C. Boggs
Jeffery C. Boggs

1) Date: May 20, 1999
2) Operator's well number
HOFF #1
3) API Well No: 47 - 087 - 04253
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
(a) Name Hobert Cook Name None
Address Looneyville WV Address _____
(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____ Address _____
(c) Name _____ Name _____
Address _____ Address _____
6) Inspector Homer Dougherty (c) Coal Lessee with Declaration
Address Linden Rt Name _____
Looneyville, WV Address _____
Telephone (304)- 927 4591

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Office of Oil & Gas
Permitting
JUN 01 1999
WV Division of
Environmental Protection

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

xxx Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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:

- xx Personal Service (Affidavit attached)
Certified Mail (Postmarked postal receipt attached)
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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.

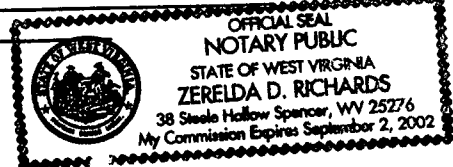
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator BNG PRODUCING & DRILLING INC.
By: JEFFERY C. BOGGS
Its: Per-Manager
Address P.O. BOX 148
SPENCER, WV 25276
Telephone 304 927-1236

Subscribed and sworn before me this 25th day of May, 1999

Zerelda D. Richards
My commission expires Sept 2, 2003

Notary Public



West Virginia Division of Environmental Protection
Office of Oil and Gas

HOFF #1

NOTICE TO SURFACE OWNERS

47-087-084253

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

XX Contractor Name Environmental Solutions Laboratory, Spencer, WV
Well operator's private laboratory

Well Operator BNG PRODUCING & DRILLING INC

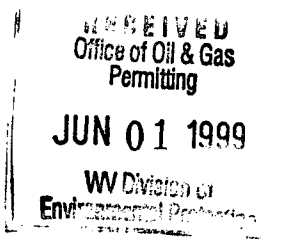
Address PO Box 148

Spencer, WV 25276

Telephone (304) 927-1236

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

1. DeWayne Hoff
2. Hobert Cook

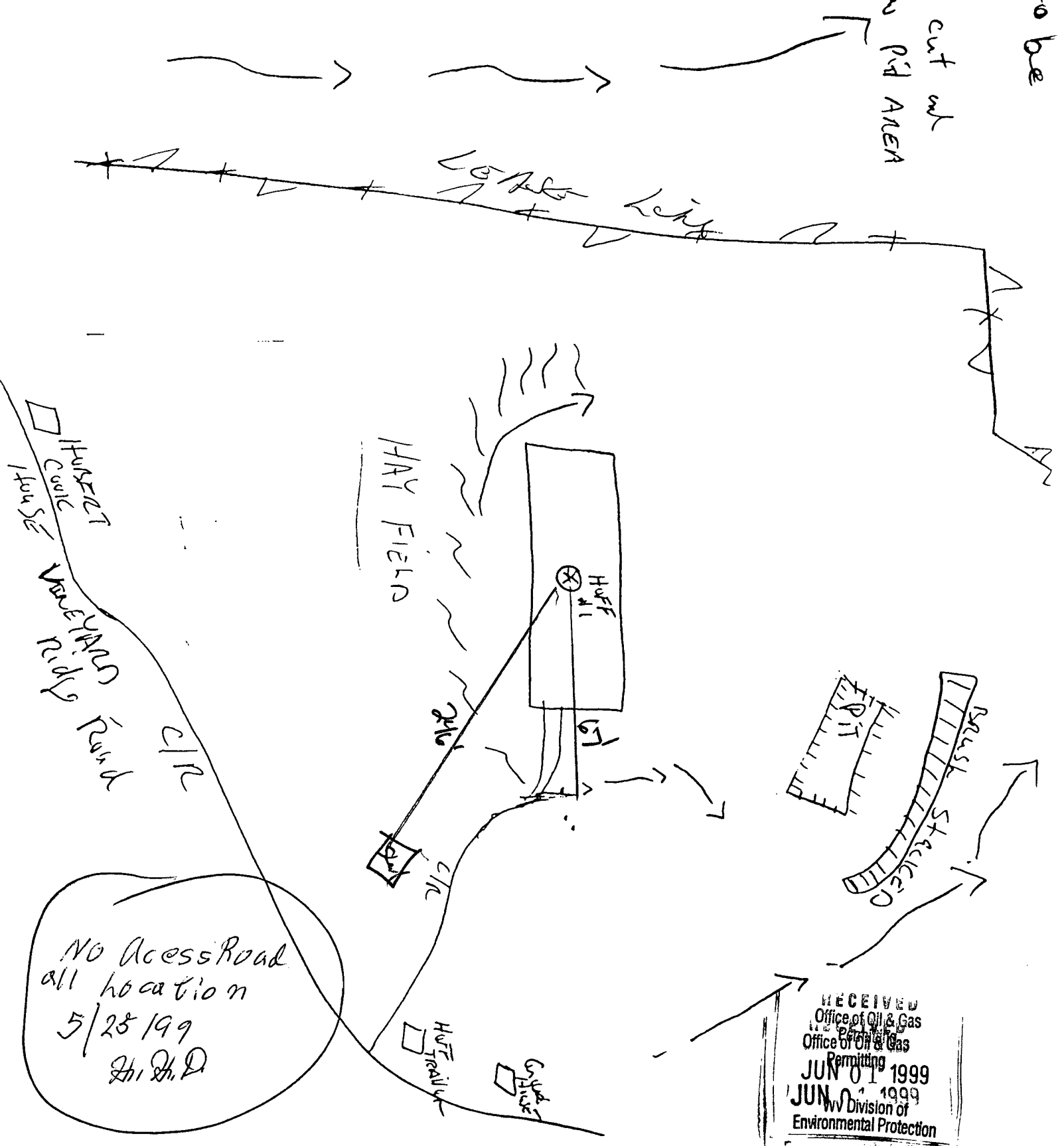


(If "GAS," PRODUCTION - STORAGE - DEEP - SHALLOW -)

47-087-04253

Location to be
staged.

use Timber cut and
science below rid area



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Office of Oil & Gas
Office of Oil & Gas
Permitting
JUN 01 1999
JUN 01 1999
Division of
Environmental Protection

Form WW-2A(1)
(6/94)

47-087-04253

Operator's Well No. HoFF # 1INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that--

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book/Page</u>
Willa Groves&Bessie Sarver	John Stone		105/377
JOHN STONE	H.C. BOGGS		116/767
HC BOGGS	BNG PRODUCING AND DRILLING INC.		

Well Operator: BNG PRODUCING & DRILLING INC.
By: JEFFERY C. BOGGS
Its: SECRETARY- MANAGER

RECEIVED
Office of Oil & Gas
Permitting
JUN 01 1999
WV Division of
Environmental Protection

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE**

Operator Name BNG PRODUCING & DRILLING INC. OP Code 6455

Watershed SHAVER FK OF LEFT HAND Quadrangle LOONEYVILLE 7.5

Elevation 1185 County ROANE District GEARY

Description of anticipated Pit Waste: DRILL CUTTINGS, FRESH WATER, GELL WATER

Will a synthetic liner be used in the pit? YES

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application
- ☐ Underground Injection (UIC Permit Number _____)
- ☐ Reuse (at API Number _____)
- ☐ Off Site Disposal (Supply form WW-9 for disposal location)
- ☒ Other (Explain AIR DRILLING KILL DUST CODE 68)

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling
- ☐ Workover
- ☐ Other (Explain _____)
- ☐ Swabbing
- ☐ Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on June 14, 1994, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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 thereto 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 or imprisonment.

Company Official Signature Jeffery C. Boggs

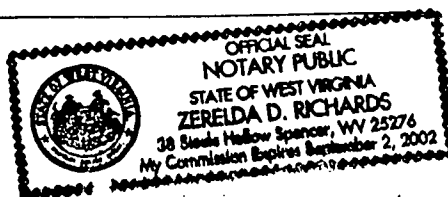
Company Official (Typed Name) Jeffery C. Boggs

Company Official Title SECRETARY MANAGER

Subscribed and sworn before me this 25th day of May, 19 99

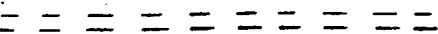
Zerelda D. Richards Notary Public


My commission expires Sept 2, 2002

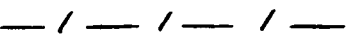


LEGEND

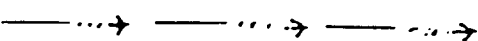
Property Boundary 

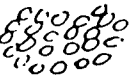
Road 

Existing Fence 


Planned Fence 


Stream 


Open Ditch 

Rock 

North 


Buildings 

Water wells 

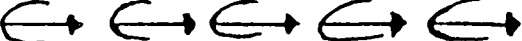
Drill site 

Diversion 

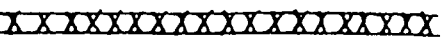
Spring 

Wet Spot 

Drain Pipe with size in inches 

Waterway 

Cross Drain 

Artificial Filter Strip 

Pit: cut walls 

Pit: compacted fill walls 

Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre
Orchardgrass	15
Ladino	5
RYE on Banks	20
slipso	

Seed Type	Area II lbs/acre

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet

RECEIVED
Office of Oil & Gas
Permitting

JUN 01 1999

WV Division of
Environmental Protection

47-087-04253

Plan Approved by: H. H. Dougherty

Title: District Inspector

Date: 5/25/99

Field Reviewed? ☒ Yes ☐ No

Instructions to Surface Owners (cont.)

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also please notify the well operator and the Office of Oil and Gas

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Division of Environmental Protection
#10 McCorkin Road
Nitro, West Virginia 25143
(304)-759-0514

OR District Oil and Gas Inspector
(Name and address listed on obverse
side of this notice)

Time limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address, and telephone number (if you have a telephone), the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW-2A, and attachments consisting of pages 1 through ___ including a work order on Form WW-2B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

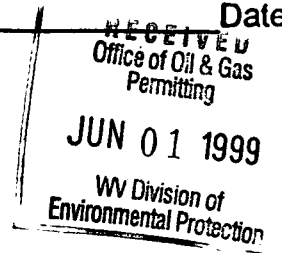
I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by natural person)

Robert H. Cook Date _____
(Signature)

(For execution by corporation, etc.)

Name _____
By _____
Its _____ Date _____
(Signature)



47-087-04253

1) Date MAY 20, 1999

2) Operator's well number

3) API Well No: 47

State _____ County _____ Permit _____

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name HOBERT COOK Name NONE
Address LOONEYVILLE WV Address _____
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector HOMER DOUGHERTY (c) Coal Lessee with Declaration
Address LINDEN RT Name _____
LOONEYVILLE, WV Address _____
Telephone (304)- 927-4591

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 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:

- xx Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

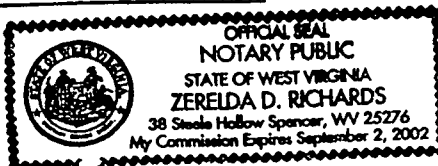
(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator BNG PRODUCING & DRILLING INC.
By: JEFFERY C. BOGGS
Its: MANAGER
Address P.O. BOX 148
SPENCER, WV 25276
Telephone 304-927-1236

Subscribed and sworn before me this 24 day of May, 1999

Beverly D. Richards Notary Public
My commission expires Sept 2, 2002



SURFACE OWNER WAIVER

County Roane

Operator
Operator well number

BNG Producing Inc

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Division of Environmental Protection
1356 Hansford Street
Charleston, Wv 25301
(304) 558-6342

OR District Oil and Gas Inspector
(Name and address listed on page WW2-A)

Land Application of pit FLUIDS From Flow Back
of Fresh water Frac.

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Paul D. Hogg
Signature

Date 10-29-01 Name
By
Its

Date

Signature

Date

BNG PRODUCING & DRILLING INC.

P.O. BOX 148

882 CHARLESTON ROAD

SPENCER, WV 25276

304-927-1236

February 29, 2000

**BRETT LOFLIN
WVDEP
OFFICE OF OIL AND GAS
#10 MCJUNKIN ROAD
NITRO, WV 25143**

Dear Brett:

4253 This letter is in regard to the deep well we are currently drilling permit number 087-4523 Hoffs #1.

We want to reserve the drilling rights for all formations below the Onandaga to the Basement which includes depths of 14,000 +.

Please amend the permit to include all of these depths and formations.

Sincerely,


Jeffery C. Boggs

BNG PRODUCING & DRILLING INC.**P.O. BOX 148****882 CHARLESTON ROAD****SPENCER, WV 25276****304-927-1236**

47-087-04253

CERTIFICATE OF CONSENT AND EASEMENT

We, the undersigned, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, being all the owners of the surface of that certain lot, tract or parcel of land located in Smithfield District, Roane County, State of West Virginia, shown on the attached plat or survey, and recorded in Book 241 Page 39 at the Roane County Courthouse, do hereby consent and grant an easement, pursuant to West Virginia Code, Section 22-4A-7 (b)(4) and Operating Rule 3.04 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, to BNG Producing and Drilling Inc., its successors or assigns, for the drilling and operation of a deep well for the production of oil or gas at the location shown on the attached plat or survey.

BNG Producing and Drilling Inc. hereby grants the above surface owner free gas for residential use for one dwelling located on the above described tract. The free gas right shall begin this date and continue until such time as any well or gas line is no longer contained on said tract.

Further, BNG Producing and Drilling Inc., shall abide by the items contained in the drilling and reclamation plan attached to the application for drilling permit for the well to be drilled on the above described tract. The above named surface owner shall participate in the developing of such plan and both parties shall agree to the items contained in such plan.

Agreed and Executed this 21 day of May, 1999

Robert G. Cook
Robert Cook

Jeffery C. Boggs
Jeffery C. Boggs Secretary BNG Producing & Drilling Inc.

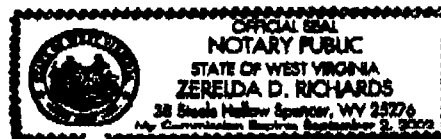
STATE OF West Virginia,
County of Roane

Taken, subscribed and sworn to before me this 28th day of May, 1999

Notary Public Zerelda D. Richards

My commission expires: Sept. 3, 2002

This instrument prepared by
Jeffery C. Boggs
P.O. Box 148
Spencer, WV 25276



CHECK LIST FOR FILING A PERMIT

BMY Producing
6455
470870 4253

I.

New Drill

- ☒ WW-2B
- ☒ WW-2A
- ☒ Surface Owner Wavier *Consent*
- ☒ Coal Owner/Lessee/Operator Wavier
- ☒ WW-2A (1)
- ☒ WW-2B (1) (If there are sources to be tested - we need names, addresses and location on topo listed as water testing) *testing two location*
- ☒ WW-9 (front and back)
- ☒ Inspector Signature *5/25/99*
- ☒ Reclamation Plan
- ☒ Mylar Plat
- ☒ Topography Map
- ☒ Certified Mail Receipts or affidavit of personal service
- ☒ Bond *Single*

II.

Re-Work or Frac Permit

- ☐ WW-2B
- ☐ WW-2A
- ☐ Surface Owner Wavier
- ☐ Coal Owner/Lessee/Operator Wavier
- ☐ WW-2A (1)
- ☐ WW-9 (front and back)
- ☐ Inspector Signature
- ☐ Reclamation Plan
- ☐ Mylar Plat (not older than 10 years)
- ☐ Topography Map
- ☐ Certified Mail Receipts or affidavit of person service
- ☐ Completion/Well Records of previous work
- ☐ Bond

III.

Plugging Permit

- ☐ WW-4B
- ☐ WW-4A
- ☐ Surface Owner Wavier
- ☐ Coal Owner/Operator/Lessee Wavier
- ☐ WW-9 (front and back)
- ☐ Inspectors Signature
- ☐ Reclamation Plan
- ☐ Mylar Plat (not older than 10 years)
- ☐ Well Records/Completion report
- ☐ Topography Map
- ☐ Certified Mail Receipts or affidavit of personal service
- ☐ Bond

At Blankenship

333 West Vine Street, Suite 1201
Lexington, Kentucky 40507
Telephone (859) 225-8700

101 South Queen Street
Martinsburg, West Virginia 25401
Telephone (304) 263-0836

7000 Hampton Center, Suite K
Morgantown, West Virginia 26505
Telephone (304) 285-2500

Charles B. Dollison
Telephone — (304) 347-1731
Facsimile — (304) 343-2867

Bowles Rice McDavid Graff & Love PLLC

ATTORNEYS AT LAW

600 Quarrier Street
Charleston, West Virginia 25301

Post Office Box 1386
Charleston, West Virginia 25325-1386
Telephone (304) 347-1100
www.bowlesrice.com

January 15, 2003

5th Floor, United Square
501 Avery Street
Parkersburg, West Virginia 26101
Telephone (304) 485-8500

3 West Piccadilly Street
Winchester, Virginia 22601
Telephone (540) 723-8877

E-mail Address:
cdolliso@bowlesrice.com

lost

West Virginia Office of Oil & Gas
10 McJunkin Road
Nitro, West Virginia 25213

Re: Freedom of Information Act Request

Gentlemen:

Thank you for the prior information you furnished me. Your assistance is greatly appreciated. This letter is a request for inspection and copying your entire file with regard to the following well:

1. The Hoff No. 1 Well, API No. 47-8704253.

Please contact me as soon as possible so that we may inspect and copy the above documents.

Very truly yours,

Charles B. Dollison

Charles B. Dollison

CBD/kw

**CT&E Environmental Services Inc.**

Laboratory Division

Laboratory Analysis Report

MARTIN TRIST ENERGY

CT&E Laboratory Delivery Group Number: TA1-J0-P811

Page 1

DATE: 11/01/01

COC: 012505

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in an attached case narrative. Release of the data contained in the hard copy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

A case narrative is not required.

<u>Reference</u>	<u>Sample Description</u>	<u>Sampled</u>	<u>Laboratory Number</u>
1,2,3	GRAB	10/30/2001	TA1-J0-P811-001

Submitted by,

Dennis J. Holcomb

Project Manager

4665 Paris Street, Suite 200-B, Denver, CO 80239 - Tel: (303) 373-4847 Fax: (303) 373-4884
1258 Greenbrier Street, Charleston, WV 25311-1002 - Tel: (304) 346-0725 Fax: (304) 346-0761
5712 Erdman Ave., Baltimore, MD 21205-3598 - Tel: (410) 483-2200 Fax: (410) 483-2206

4440 Glen Este-Withamsville Road, Suite 900, Cincinnati, OH 45245-1331 - Tel: (513) 752-9896 Fax: (513) 752-2614

012505



CLIENT: MARTIN TWIST ENERGY
CONTACT: LONNY ARMSTRONG PHONE NO: (304) 389-3838
PROJECT: HOP SITE:
REPORTS TO: LONNY ARMSTRONG
2644 CONNER DR FAX NO: 304, 345-3394
INVOICE TO: CHARLESTON, WV 25302
P.O. NUMBER:

TAI-50-P811-001

PAGE 1 OF 1

[illegible]

Collected/Relinquished By: (1) Lanny Armstrong	Date 10/30/01	Time 3pm	Received By:	Shipping Carrier: Client	Samples Received Cold? (Circle) YES <input type="radio"/> NO <input checked="" type="radio"/>
Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	Temperature °C: 19.6
Relinquished By: (3)	Date	Time	Received By:	Special Deliverable Requirements:	Chain of Custody Seat: (Circle) INTACT BROKEN ABSENT
Relinquished By: (4)	Date 10/30/01	Time 1800	Received For Laboratory By: Derrick Saul	Requested Turnaround Time and Special Instructions: 24hr	

11/01 '01 15:32 NO.216 04/04

3460761

CTE CHARLESTON WV

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Lonny Armstrong
MARTIN TWIST ENERGY

Laboratory Number TA1-J0-P811-C01

Page 1

1,2,3
GRAB

COC 012505

Date Sampled 10/30/01 15:00

Date Received 10/30/01 18:00

Type F Matrix WATER
Sampled by CLIENT

110101 1458 Ver. 4.0.192

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	Limit	Units	S Method	Date/Time/Anal	DilF
IRON, TOTAL	7439-89-6	3.2		0.050	mg/L	EPA200.7	10/31/01 21:34 JWW	1.0
PH		7.72			S.U.	EPA150.1	10/31/01 14:45 TF	1.0
Total Dissolved Solids		310		5.0	mg/L	EPA160.1	10/31/01 16:30 MHS	1.0
Chloride		54		5.0	mg/L	EPA325.2	10/31/01 11:26 blp	1.0
Surfactants / Detergents (MBAS)		0.14		0.030	mg/L	EPA425.1	10/31/01 11:30 MHS	1.0
Fecal Coliform (Membrane Filter)		4000		1000	C/100	SM9222D	10/31/01 08:45 MHS	500