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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

October 21, 2013

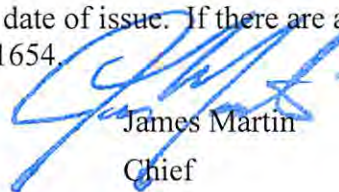
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-9500487, issued to GASTAR EXPLORATION USA, 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 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: BEN C. JACKMAN NO. 1  
Farm Name: BLATTNER, LOUIS  
**API Well Number: 47-9500487**  
**Permit Type: Plugging**  
Date Issued: 10/21/2013

**Promoting a healthy environment.**

**10/25/2013**

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B  
Rev. 2/01

- 1) Date: September 8, 2013
- 2) Operator's Well Number Ben C. Jackman No.1
- 3) API Well No: 47 - 095 - 0487  
State County Permit

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) WELL TYPE: Oil X Gas X Liquid Injection \_\_\_\_\_ Waste Disposal \_\_\_\_\_  
(If "Gas", Production \_\_\_\_\_ Underground Storage \_\_\_\_\_ ) Deep \_\_\_\_\_ Shallow X
- 5) LOCATION: Elevation: 1100' Watershed: Labell Run of McElroy Creek  
District: McElroy 05 County: Tyler 95 Quadrangle Shirley 7.5' 607
- 6) WELL OPERATOR: Gastar Exploration, Ltd. 494487685  
Address 229 W. Main St., Suite 301  
Clarksburg, WV 26301
- 7) DESIGNATED AGENT Mike McCown  
Address 229 W. Main St., Suite 301  
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Joe Taylor  
Address 497 Claylick Road  
Ripley, WV 25271
- 9) PLUGGING CONTRACTOR  
Name \_\_\_\_\_  
Address \_\_\_\_\_

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

CASING	
10"	Pulled
8 1/4"	Pulled
6 5/8"	1,975'
4 1/2"	2,044'
4 1/2" on Packer	
LINERS	

TD-2,152' Coal: NA  
Gel 2152 - 2060  
Release Packer & Pull 4 1/2" Casing - (2,044' Est.)  
Plug No. 1 2060 - 1925  
Freepoint, Cut & Pull 6 5/8" Casing at 1,100' (Est.)  
Plug No. 2 1150 - 1050  
Plug No. 3 875 - 775  
Plug No. 4 275 - 175  
Plug No. 5 100 - Surface

ELEV 1100'  
SALT WATER 825'  
RELEASE & PULL 2" (2024)

**NOTES:**

Free point, cut and pull all casing strings present. Place 100 ft. cement plug at bottom of any casing left in well.  
Fill Well Bore with 6% Gel Between all Cement Plugs  
Erect Monument with API No.

Inspector 24 hours before permitted work can commence.

Work order approved by Inspector



Date 9-27-13

Received

OCT 2 2013



9500487P

FORM IV-35 (Obverse)

Operator's Well No. 1 W.I.

WELL OPERATOR'S REPORT OFFICE COPY

OF THE STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION PERMIT NO. 095-0487

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

LOCATION: Elevation: 1100 Watershed: McElroy Creek District: McElroy County: Tyler Quadrangle: West Union

WELL OPERATOR QUAKER STATE OIL REFG. CORP. DESIGNATED AGENT Robert C. Pingrey Address P.O. Box 1327 Parkersburg, WV 26101

PERMITTED WORK: Drill / Convert XX / Drill deeper / Redrill / Fracture / Plug-off old formation / Perforate new formation / Other physical change in well (specify)

PERMIT ISSUED ON October 28, 19 77. OIL & GAS INSPECTOR FOR THIS WORK: Phillip Tracy Address Middlebourn, WV

GEOLOGICAL TARGET FORMATION: Big Injun Depth 2062-2152 feet Depth of completed well, 2152 feet Rotary / Cable Tools XX Water strata depth: Fresh, --- feet; salt, 825 feet. Coal seam depths: --- Is coal being mined in the area? No Work was commenced December 5, 19 77, and completed January 5, 19 78

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS. Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, Liners.

NA - Not Available

OPEN FLOW DATA Producing formation Big Injun (injection) DEPT. OF MINES, OIL AND GAS DIVISION

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

[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 Office of Oil and Gas WV Dept. of Environmental Protection

10/25/2013

verse)

2791 01 912A

-78]

Y900 201710

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

Ran 4 1/2" casing on tension packer and set in open hole in the Big Lime at 2044'.  
an 2" tubing on hookwall packer and set inside 4 1/2" at 2024'.

L LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Siltstone			0	67	
Sandstone			67	197	
Shale & Siltstone			197	540	
Sandstone			540	665	
Shale & Sandstone			665	825	
Sandstone			825	1107	Salt Water
Shale			1107	1260	
Sandstone			1260	1273	
Shale			1273	1436	
Sandstone			1436	1475	
Shale			1475	1733	
Sandstone			1733	1777	
Shale			1777	1975	
Limestone			1975	2062	
Big Injun Sand			2062	2152	

(Attach separate sheets to complete as necessary)

QUAKER STATE OIL REFINING CORPORATION  
Well Operator

By Michael C. Brannock  
Its Senior Geologist - Michael C. Brannock

10/25/2013

**OIE:** Regulation 2.02(i) provides as follows:

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

9506487A

CK# 050231  
\$400 = 4

WW-4A  
Revised 6-07  
Surface Owner Copy

- 1) Date: September 8, 2013
- 2) Operator's Well Number  
Ben C. Jackman No.1
- 3) API Well No: 47 - 095 - 0487  
State County Permit

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

- |   |   |
|---|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Louis Blattner</u> ✓<br/>Address <u>665 Fairmont Pike</u><br/><u>Wheeling, WV 26003</u></p> <p>(b) Name <u>Donald &amp; Maureen Vandine</u> ✓<br/>Address <u>PO Box 2, Indian Creek Road</u><br/><u>Alma, WV 26320</u></p> <p>(c) Name <u>Alva D. Spencer Estate</u><br/>Address <u>C/O Marcia Mronzinski</u> W ✓<br/><u>3471 Maradee Ct.</u></p> | <p>5) (a) Coal Operator:</p> <p>Name <u>NA</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>NA</u><br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p><u>NA</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Joe Taylor</u><br/>Address <u>497 Claylick Road</u><br/><u>Ripley, WV 25271</u> SD ✓<br/>Telephone <u>304-380-7469</u></p>   |   |

**TO THE PERSON(S) NAMED ABOVE:** You should have received this Form and the following documents:

- 1) The Application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- 2) The plat (surveyor's map) showing the well location on Form WW-6

The reason you have received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

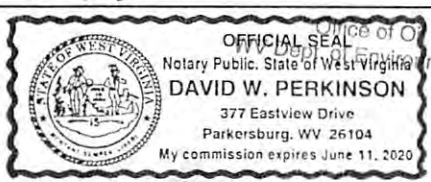
Well Operator Gastar Exploration, Ltd.

By: Michael McCown Mike McCown  
 Its: COO & Designated Agent  
 Address 229 W. Main St., Suite 301  
Clarksburg, WV 26301  
 Telephone (304) 622-4796

Subscribed and sworn before me this 11th day of September, 2013

David W. Perkinson Notary Public  
 My Commission Expires June 11, 2020

**Received**  
 OCT 2 2013



**10/25/2013**



**SURFACE OWNER WAIVER**

Operator's Well  
Number

Ben C. Jackman No.1  
47- 095- 0487

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (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  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**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 **FIVE (5) 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.

**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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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  
ETC.**

**FOR EXECUTION BY A CORPORATION,**

*Marcia Margolis* Date 9/18/2013 Name \_\_\_\_\_  
Signature By \_\_\_\_\_  
Its Date \_\_\_\_\_

Office of Oil and Gas  
WV Dept. of Environmental Protection  
Date \_\_\_\_\_

Signature \_\_\_\_\_ Date **10/25/2013**

9500487P

STATE OF WEST VIRGINIA  
DEPARTMENT 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 Gastar Exploration, Ltd. OP Code 494487685

Watershed Labell Run of McElroy Creek Quadrangle Shirley 7.5'

Elevation 1100' County Tyler District McElroy

Description of anticipated Pit Waste: Fluids encountered in plugging subject well

Do you anticipate more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a synthetic liner be used in pit? Yes If so, what mil.? 10 20 MIL

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 \_\_\_\_\_ )

Drilling medium anticipated for this well? Air, fresh water, oil based, etc. NA  
- If oilbased, what type? Synthetic, petroleum, etc. \_\_\_\_\_  
Additives to be used? \_\_\_\_\_  
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA  
- If left in pit and plan to solidify, what medium will be used? Cement, lime, sawdust NA  
- Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department 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.

*[Handwritten signature]*  
9/25/13

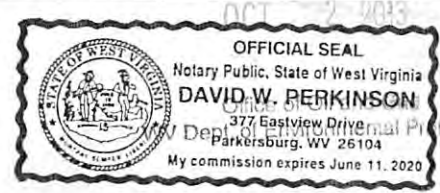
Company Official Signature Michael McCown  
Company Official (Typed Name) Mike McCown  
Company Official Title COO & Designated Agent

Subscribed and sworn before me this 11th day of September, 2013

*[Handwritten signature]*  
David Z. Perkins

Notary Public  
**Received**

My commission expires June 11, 2020



10/25/2013



**Legend**

Property Boundary		Diversion	
Road		Spring	
Existing Fence		Wet Spot	
Planned Fence		Drain Pipe	
Stream		Waterway	
Open Ditch		Cross Drain	
Rock		Filter Strip	
North		Pit: Cut Walls	
Buildings		Pit: Compacted Fill Walls	
Water Wells		Area of Land Application of Pit Waste	
Drill Site			

Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 0.2 Ac. Prevegetation pH \_\_\_\_\_

Area II Approx. 0.1 Ac.

Lime 2 Tons/Acre or Correct to pH 6.5

Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)

Mulch Straw 2 Tons/Acre

**SEED MIXTURES**

<u>Area I (Location)</u>		<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.	Seed Type	Lbs./Ac.
Tall Fescue	<u>40</u>	Tall Fescue	<u>40</u>
Ladino Clover	<u>5</u>	Ladino Clover	<u>5</u>

Attach:  
 Drawing(s) of road, location, pit and proposed area for land application  
 Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

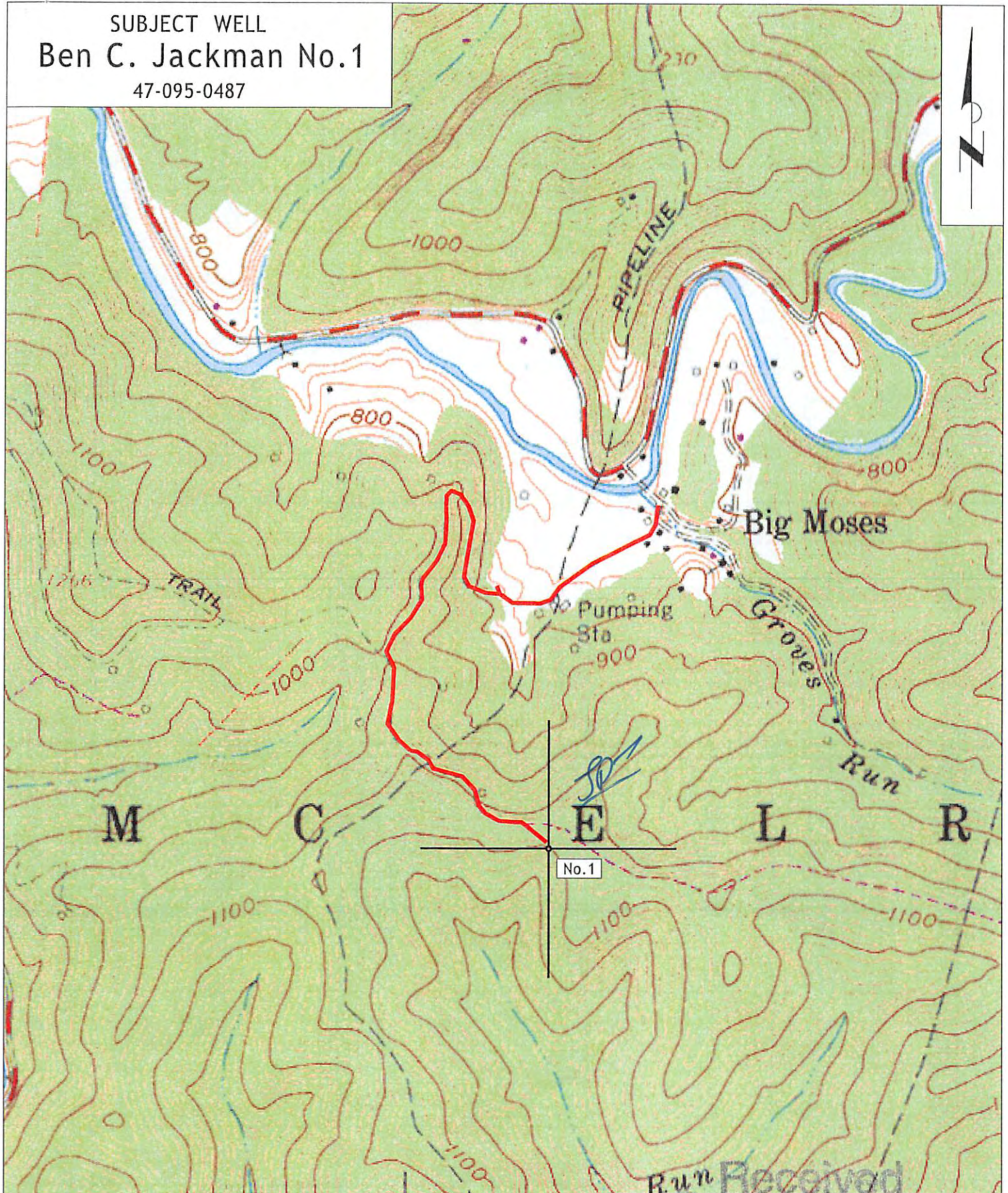
Comments: \_\_\_\_\_

Title: L. Lopez Date: 9-27-13

Field Reviewed? X Yes \_\_\_\_\_ No



SUBJECT WELL  
Ben C. Jackman No.1  
47-095-0487



Section of  
OCT 2 2013  
Shirley 7.5' Quadrangle  
Office of  
SCALE 1"=1000' 10/25/2013  
WV Dept. of Environmental Protection



West Virginia Department of Environmental Protection  
Office of Oil & Gas

**WELL LOCATION FORM: GPS**

API: 47- 095 - 0487 WELL NO: No.1

FARM NAME: Ben C. Jackman

RESPONSIBLE PARTY NAME: Gastar Exploration, Ltd.

COUNTY: Tyler DISTRICT: McElroy

QUADRANGLE: Shirley 7.5'

SURFACE OWNER: Louis Blattner

ROYALTY OWNER: Louis Blattner et al.

UTM GPS NORTHING: 4,363,891 (NAD 83)

UTM GPS EASTING: 518,293 (NAD 83) GPS ELEVATION: 335 m. 1100 FT

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone:17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) - meters.
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method:

Survey Grade GPS  Post Processed Differential   
 Real-Time Differential

Mapping Grade GPS  Post Processed Differential   
 Real-Time Differential

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Michael McCown Mike McCown  
Signature

COO & Designated Agent  
Title

September 8, 2013  
Date

Received

OCT 2 2013





October 1, 2013

WVDEP-Office of Oil & Gas  
Attn: Mr. Jeff McLaughlin  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

VIA USPS

Subject: Plugging Permit Applications, Tyler County, WV

Dear Jeff:

Enclosed herein for your review and further handling, please find Plugging Permit Applications for the M.W. Spencer well #'s 22 & 23 and the Ben C. Jackman well #'s 1 & 6, along with a check in the amount of \$400.00 for the pits associated with these wells.

If you have any questions or need additional information, please feel free to contact me at 304/966-0362.

Sincerely,

DAVE PERKINSON  
Landman

Received

OCT 2 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection

Gastar Exploration LTD.

229 West Main Street, Suite 301 · Clarksburg, WV 26301  
Phone: (304) 622-4796 · Fax: (304) 622-4824

10/25/2013



IR-6  
7/16/93



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

Complete Well Inspection Form

API NUMBER 095-00487 U.I. WELL OPERATOR Quaker State  
FARM NAME \_\_\_\_\_ WELL NUMBER \_\_\_\_\_  
QUAD Centel Point DISTRICT McElroy COUNTY Dyer

A. THE ACCESS ROAD MEETS ALL REQUIREMENTS? 22B-1-30, 22B-1-6, 38CSR-18-16 Yes No

- 1. All culverts are properly sized for drainage area?  ( ) ( )
- 2. All culverts are placed at the proper depth? ( ) ( )
- 3. The culverts head walls or drop inlets are installed? ( ) ( )
- 4. The culverts discharge to stable ground/dissipating device? ( ) ( )
- 5. Are culverts and cross drains installed at proper spacing? ( ) ( )
- 6. Are road side ditches installed? ( ) ( )
- 7. Are road, road banks and slopes reclaimed and reseeded?  ( ) ( )
- 8. The stream crossings are adequately installed? ( ) ( )
- 9. The road water run off is not getting into the county/state road nor into the waters of the state? ( ) ( )
- 10. Are drainage/sediment control structures maintained?  ( ) ( )

B. THE WELL IS PROPERLY EQUIPPED AND the LOCATION IS RECLAIMED? 22B-1-30, 22B-1-6, 38CSR-18-16

- 1. Does the well have stamped or attached the API number? 22B-1-6 (f), 38CSR-18-5.5.1  ( ) ( )
- 2. Is the pit backfilled and reclaimed? GENERAL PERMIT ( ) ( )
- 3. Is all water diverted from location and pit area? ( ) ( )
- 4. Is the location properly reclaimed? ( ) ( )
- 5. Are all associated disturbances (eg. work over pits, meter sites, tank batteries, etc.) properly reclaimed? ( ) ( )
- 6. Are electric lines off the ground and safe? 22B-1-3 ( ) ( )
- 7. Is the location free of Oil/gas/saltwater leaks? ( ) ( )
- 8. Is this well being produced/operated?  ( ) ( )
- 9. Is this well showing production on the computer? 22B-1-19, 38CSR-11-7 ( ) ( )
- 10. Is there a casing head or suitable device which prevents debris or fluids from entering the well, and which allows for the free passage of gas?  ( ) ( )
- 11. Is the annulus free from escaping gas or fluid?  ( ) ( )
- 12. Is the location free from oil field trash? 38CSR-16-7.3.1, 38CSR-16-7.4  ( ) ( )
- 13. Are all production lines buried/reclaimed? OR IV-75 ( ) ( )

C. DOES THE SPILL PREVENTION MEET ALL REQUIREMENTS? 22B-1-7, 38CSR-11-7, 38CSR-18-11-TO 17

- 1. Is there a SPCC plan implemented?  ( ) ( )
- 2. Do the tanks have valves, vents, and equalizing lines? ( ) ( )
- 3. Do the tanks have secondary containment structures? ( ) ( )
- 4. Are the containment structures impervious? ( ) ( )
- 5. Do the containment structures have a drain and valves which are closed and sealed except when draining rain water? ( ) ( )
- 6. Are the containment structures free from water/oil? ( ) ( )
- 7. Are the load lines equipped with valves and plugs? ( ) ( )
- 8. Is salt water being properly disposed of? ( ) ( )
- 9. Are the secondary containment structures adequate? ( ) ( )



IR-6(b)

Yes No

D. ENFORCEMENT ACTION AND GENERAL INFORMATION

- 1. Were you able to drive to this well?  ( )
- 2. Can you determine who actually operates this well?  ( )
- 3. Can you determine the method of saltwater disposal?  
(specify method and how determined) It is a saltwater disposal inspection  ( )
- 4. Can you determine if the well produces any condensate or drip and how is it disposed? ( ) ( )
- 5. Can you determine what size csg is in the well?  
If so specify \_\_\_\_\_ ( ) ( )
- 6. How close is the nearest dwelling or water well? \_\_\_\_\_ ft.
- 7. Was this inspection routine? Specify (complaint, random, etc.) \_\_\_\_\_  ( )
- 8. Is this well part of a secondary recovery field?  ( )
- 9. Was any enforcement action taken as a result of this inspection?  
(Specify-Violation?, Warning Letter?) \_\_\_\_\_ ( ) ( )
- 10. Is there previous violations on this well? \_\_\_\_\_ ( ) ( )
- 11. Did you take any pictures during this inspection?  ( )
- 12. Did you take any water samples during this inspection?  ( )
- 13. Did a company representative accompany you on this inspection?  ( )
- 14. Does the tank have a purchaser name and/or number?  
(If so specify) \_\_\_\_\_ ( ) ( )

E. RECOMMENDATIONS AND COMMENTS

Did a U. I. C. FEIID INSPECTION  
PRESSURE TESTED INJECTION

TIME REQUIRED TO COMPLETE THIS INSPECTION 1 1/2 min./hr's.

Date 9-13-92 Inspector [Signature]



RECEIVED  
OFFICE OF OIL AND GAS  
OP-77 (11-92)  
JUL 24 1995

RECORD NO. 32874

WV Division of  
Environmental Protection

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
NITRO, WEST VIRGINIA 25143

THIS IS TO ACKNOWLEDGE THAT THE WELL: API NO.

DISTRICT: McELROY  
WELL NO.: 1  
47 095 00487

IS HEREBY TRANSFERRED FROM: FARM NAME  
Ben Jackman

THE TRANSFEROR COMPANY: QUAKER STATE CORPORATION

CODE # 40400  
ADDRESS: Post Office Box 189, Belpre, OH 45714

TO: THE TRANSFEREE COMPANY: INVITATION ENERGY, INC.

CODE # 23965  
ADDRESS: 109 East Main Street, Mannington, West Virginia 26562

THE TRANSFEREE BY THIS DOCUMENT IS ACCEPTING ALL RESPONSIBILITY FOR COMPLIANCE WITH THE PROVISIONS OF CHAPTER 22B et seq. OF THE WEST VIRGINIA CODE OF 1931 AS AMENDED AND ALL RULES AND REGULATIONS PROMULGATED THEREUNDER, FOR THE LISTED WELL.

THE TRANSFEREE HAS REGISTERED AND DESIGNATED AN AGENT ON FORM OP-1, WHO IS DESIGNATED AGENT (NAME) Joe Ferrell

ADDRESS: 109 East Main Street, Mannington, West Virginia 26562

WHICH IS ON FILE WITH THE OFFICE OF OIL & GAS.

THE TRANSFEREE HAS BONDED THE SAID WELL BY (CHECK ONE):

SECURITIES  CASH  SURETY BOND  LETTER OF CREDIT

IDENTIFIED BY: AMOUNT: \$50,000.00 EFFECTIVE DATE: October 3, 1994

ISSUING AUTHORITY: West Union Bank ID. NO.

TRANSFEREE: INVITATION ENERGY, INC.  
BY: Joe Ferrell, Designated Agent  
ITS:

TAKEN, SUBSCRIBED AND SWORN BEFORE ME THIS 18th DAY OF July 1995.  
NOTARY PUBLIC Dolores L. Branch  
MY COMMISSION EXPIRES 3-15-2000  
Dolores L. Branch  
Notary Public, State of Ohio  
My Commission Expires March 15, 2000

TRANSFEROR: QUAKER STATE CORPORATION  
BY: Frank R. Rotunda - Designated Agent  
ITS:

TAKEN, SUBSCRIBED AND SWORN BEFORE ME THIS 30th DAY OF June 1995.  
NOTARY PUBLIC Dolores L. Branch  
MY COMMISSION EXPIRES 3-15-2000  
Dolores L. Branch  
Notary Public, State of Ohio  
My Commission Expires March 15, 2000

DOLORES L. BRANCH  
Notary Public, State of Ohio  
My Commission Expires March 15, 2000