



west virginia department of environmental protection

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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Tuesday, July 11, 2017
WELL WORK PERMIT
Vertical / Re-Work

BUCKEYE OIL PRODUCING CO.
POST OFFICE BOX 129

WOOSTER, OH 446910129

Re: Permit approval for 1
47-013-01400-00-00

This well work permit 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 any additional specific 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.

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 permitted well work, 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.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: 1
Farm Name: JACKSON, HOMER
U.S. WELL NUMBER: 47-013-01400-00-00
Vertical / Re-Work
Date Issued: 7/11/2017

Promoting a healthy environment.

07/14/2017

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

1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced, drilling ceased, completion of any other permitted well work and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

CHK# 113030

6-12-17
\$ 650.00

47-013-01400 W
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Office of Oil and Gas

JUN 21 2017

WV Department of
Environmental Protection

WW - 2B
(Rev. 8/10)

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

1) Well Operator: Buckeye Oil Producing Co. 7275 Calhoun Center Grantsville
Operator ID County District Quadrangle

2) Operator's Well Number: Homer Jackson #1 3) Elevation: 865

4) Well Type: (a) Oil X or Gas X
(b) If Gas: Production X / Underground Storage _____
Deep _____ / Shallow X

5) Proposed Target Formation(s): Berea Proposed Target Depth: 2207

6) Proposed Total Depth: 2207 Feet Formation at Proposed Total Depth: Berea

7) Approximate fresh water strata depths: 195

8) Approximate salt water depths: 982

9) Approximate coal seam depths: N/A

10) Approximate void depths,(coal, Karst, other): N/A

11) Does land contain coal seams tributary to active mine? No

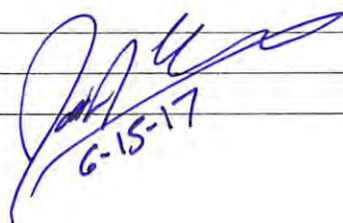
12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Cleanout existing well to original T.D. 2207'. Run 4-1/2" casing to T.D. Cement 4-1/2" from 2207' to 1400'. Perf and frac well with 600 Bbls. of gelled water & 20,000# 20/40 sand.

FRAC IN BEREA gmm

13) **CASING AND TUBING PROGRAM**

	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT	
	TYPE	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13				50'	50'	
Fresh Water	6-5/8				1718'	1718'	On packer existing casing
Coal							
Intermediate							
Production	4-1/2	J-55	10.5#		2207	2207	807' fillup
Tubing							
Liners							

Packers: Kind: Spand - bottom hole
Sizes: 7" x 8-5/8"
Depths Set 1718'


6-15-17

07/14/2017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. CAL-1400

Oil or Gas Well Oil & Gas
(KIND)

Company Okmar Oil Company
Address P. O. Box 548, Marietta, Ohio
Farm Homer V. Jackson Acres 125
Location (waters) Yellow Creek
Well No. 1 Elev. 865
District Center County Calhoun
The surface of tract is owned in fee by Homer V. Jackson
Address Big Springs, W. Va.
Mineral rights are owned by Homer V. Jackson
Address Big Springs, W. Va.
Drilling commenced October 20, 1955
Drilling completed November 25, 1955
Date Shot From To
With Well Not Treated IHB-6-11-1980 East.
(No Shot - No Frac)
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18			Kind of Packer <u>"Spang"</u>
18	50'	50'	Bottom Hole
10	377'	- - -	Size of <u>7" - 20# X</u>
8 3/4	916'	- - -	<u>8-5/8" O.D. 16" Rubber</u>
6 3/8	1718'	1718'	Depth set <u>1718'</u>
5 3/16			
3			Perf. top
2	2207'	2207'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date
COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	45			
Sand			45	108			
Slate			108	140			
Red Rock			140	145			
Lime			145	155			
Sand			155	173			
Slate			173	195			
Red Rock			195	204	Water		
Slate & shells			204	228			
Red Rock			228	238			
Slate & Shells			238	250			
Red Rock			250	290			
Slate			290	298			
Sand			298	316			
Slate - L. Shells			316	350			
Red Rock			350	371			
Slate			371	380	Water	380 - 405	
Sand			380	405			
Red Rock			405	428			
Lime			428	438			
Red Rock			438	495			
Slate			495	500			
Sand			500	520			
Slate			520	530			
Lime		Hard	530	540			
Red Rock			540	560			
Lime			560	570			
Slate & Shells			570	585			
Sand			585	620			
Red Rock			620	665			
Slate			665	680			
Pink			680	700			
Slate & Shells			700	765			
Slate <u>Dark</u>			765	780			
Slate			780	800			
Lime		Gritty	800	835			
Slate			835	862			
Sand			862	900			
Slate & Shells			900	982			

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WV Department of Environmental Protection

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			982	1205	Water		1 bailer
Slate	Black		1205	1220			
Sand			1220	1245			
Slate & Shells	Black		1245	1280			
Sand			1280	1295			
Slate			1295	1335			
Slate & Shells	Black		1335	1350			
Lime		Gritty	1350	1378			
Slate	Black		1378	1397			
Shell		Hard	1397	1408			
Slate			1408	1445			
Lime	Black		1445	1495			
Sand			1495	1515			
Slate	Black		1515	1520			
Sand			1520	1570			
Slate & Shells		Hard	1570	1615	→ 1527-29-43 MCF 1529-32-66 MCF 1532-36 61 MCF 1536-40 63 MCF		
Lime		Hard	1615	1650			
Slate			1650	1660			
Lime			1660	1739			
Sand Injun			1739	1785	→ 1743-55-41 MCF		
Lime	Black		1785	1815			
Slate			1815	1880			
Lime			1880	1892			
Slate & Shells			1892	2120			
Brown Shale			2120	2152			
Berea Sand			2152	2180	Gas	2168	
Slate			2180			70 MCF	Co-mingled.
<p>* Gas - 1527 - 1529 - F.M. 3" (30/10) - 1" Orifice - 42,935 1529 - 1532 - F.M. 7" (70/10) - 1" Orifice - 65,592 after 12 hours F.M. 5" (50/10) 1" Orifice - 55,429 1532 - 1536 - F.M. 6" (60/10) - 1" Orifice - 60,709 1536 - 1540 - F.M. 6.4" - 1" Orifice - 62,716</p>							
<p>** Gas - Injun - 1743 - 1748 1743 - 1755 - F.M. 3" in 1" Orifice - 41,400 1755 - 1757 1757 - 1762 1762 - Below Gas</p>							
<p>*** F.M. - 8" - 1" Orifice - 70,104 cubic feet</p>							
<p>Oil - 2173 - 2180</p>							
<p>December 8, 1955, Total depth 2207, being a "pocket" of approximately 27 feet below bottom of Berea Sand.</p>							
<p>RECEIVED Office of Oil and Gas JUN 20 2017/2017 WV Department of Environmental Protection</p>							

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

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WW-2A
(Rev. 6-14)

JUN 21 2017

WV Department of
Environmental Protection

1.) Date: June 12, 2017
2.) Operator's Well Number Homer Jackson #1
State 47- County 013 Permit 1400
3.) API Well No.: 47- 013 - 1400

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served: (a) Name Greg Taylor W. Address 5925 YELLOW CREEK Rd
Big Springs WV
26137
(b) Name _____ Address _____
(c) Name _____ Address _____
6) Inspector Joe Taylor Address 1478 claylick Rd
Ripley WV. 25271
Telephone 304-380-7469

5) (a) Coal Operator Name N/A Address _____
(b) Coal Owner(s) with Declaration Name N/A Address _____
(c) Coal Lessee with Declaration Name N/A Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

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:

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

I have read and understand Chapter 22-6 and 35 CSR 4, 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 Buckeye Oil Producing Co.
By: Steven W. Sialer Steven W. Sialer
Its: President
Address: PO Box 129
Wooster, OH 44691
Telephone: 330-264-8847
Email: cbecker@buckeyeoilinc.com

Subscribed and sworn before me this 12th day of June, 2017

Cheryl K. Becker

Notary Public

My Commission Expires November 4, 2017

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

JUN 21 2017

WW-2A Surface Waiver
(4/16)

WV Department of
Environmental Protection

SURFACE OWNER WAIVER

County Calhoun

Operator
Operator well number

Buckeye Oil Producing Co.
Homer Jackson #1

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
Department of Environmental Protection
601 57th 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 **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, WW-9, 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.

X Greg Taylor
Signature

Date 6/11/17

Company Name _____
By _____
Its _____ Date _____

Greg Taylor

Print Name

Signature

Date

1301400w

WW-2A1
(Rev. 1/11)

Operator's Well Number Homer Jackson #1

**INFORMATION 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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Okmar Oil Co.	Buckeye Oil Producing Co.	1/8th	229/543

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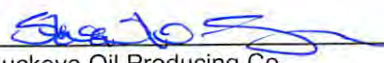
WV Department of
Environmental Protection

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: 
 By: Its: Buckeye Oil Producing Co.
Steven W. Sigler, President

07/14/2017

WW-9
(5/16)

API Number 47 - 013 - 1400
Operator's Well No. Homer Jackson #1

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Buckeye Oil Producing Co. OP Code _____

Watershed (HUC 10) Yellow Creek Quadrangle Grantsville

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

Will closed loop system be used? If so, describe: No

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Freshwater

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? gell

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. leave in pit

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) cement

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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.

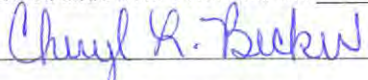
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature 

Company Official (Typed Name) Steven W. Sigler

Company Official Title President

Subscribed and sworn before me this 12th day of June, 2017

 Notary Public

My commission expires 06/12/2017

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JUN 21 2017

WV Department of Environmental Protection
07/14/2017

Proposed Revegetation Treatment: Acres Disturbed +/- 2 acres Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type _____

Fertilizer amount 600 lbs/acre

Mulch 90 bales Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Kentucky Fescue</u>	<u>20</u>	<u>Kentucky Fescue</u>	<u>20</u>
_____	_____	_____	_____
_____	_____	_____	_____

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Sediment control in place at All times.

Comments: _____

Title: OGG Inspector Date: 6-15-17

Field Reviewed? (X) Yes () No

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JUN 21 2017
WV Department of Environmental Protection
07/14/2017

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

Operator Name: Buckeye Oil Producing Co.
Watershed (HUC 10): Yellow Creek Quad: Grantsville
Farm Name: Homer Jackson

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Excess workover fluids to be directed to lined earthen pit. Upon completion of workover, dependent upon volumes, fluids will be treated, aeriaded, and land applied or transported to an approved offsite disposal facility.

inadequate pit construction; no liner; excessive water volume

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

pit liner
berms directing discharge from pit
flowback to tanks after frac

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Yellow Creek at approx. 550'
475' from sediment barrier

4. Summarize all activities at your facility that are already regulated for groundwater protection.

tank dikage

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

No issues that we are aware of.
Closest water well is approx. 1200'

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste materials will be used on this or any additional well site for fill or deicing.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

Rig operator is directed to only use the earthen pit as needed.

★ Our initial plan is to circulate cleanout materials to a half tank, settle and dispose of liquids at an approved disposal facility.

Solids will then be left to dry and buried on site.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Inspections will be daily during workover and ongoing through production period by well tender.

Signature: 

Date: 7-10-17

1301400W

Buckeye Oil Prod.
Well: **Homer Jackson # 1**
Stanley K. Wilson, Agent 125 Acre Lease
Center District Calhoun County
West Virginia

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Office of Oil and Gas

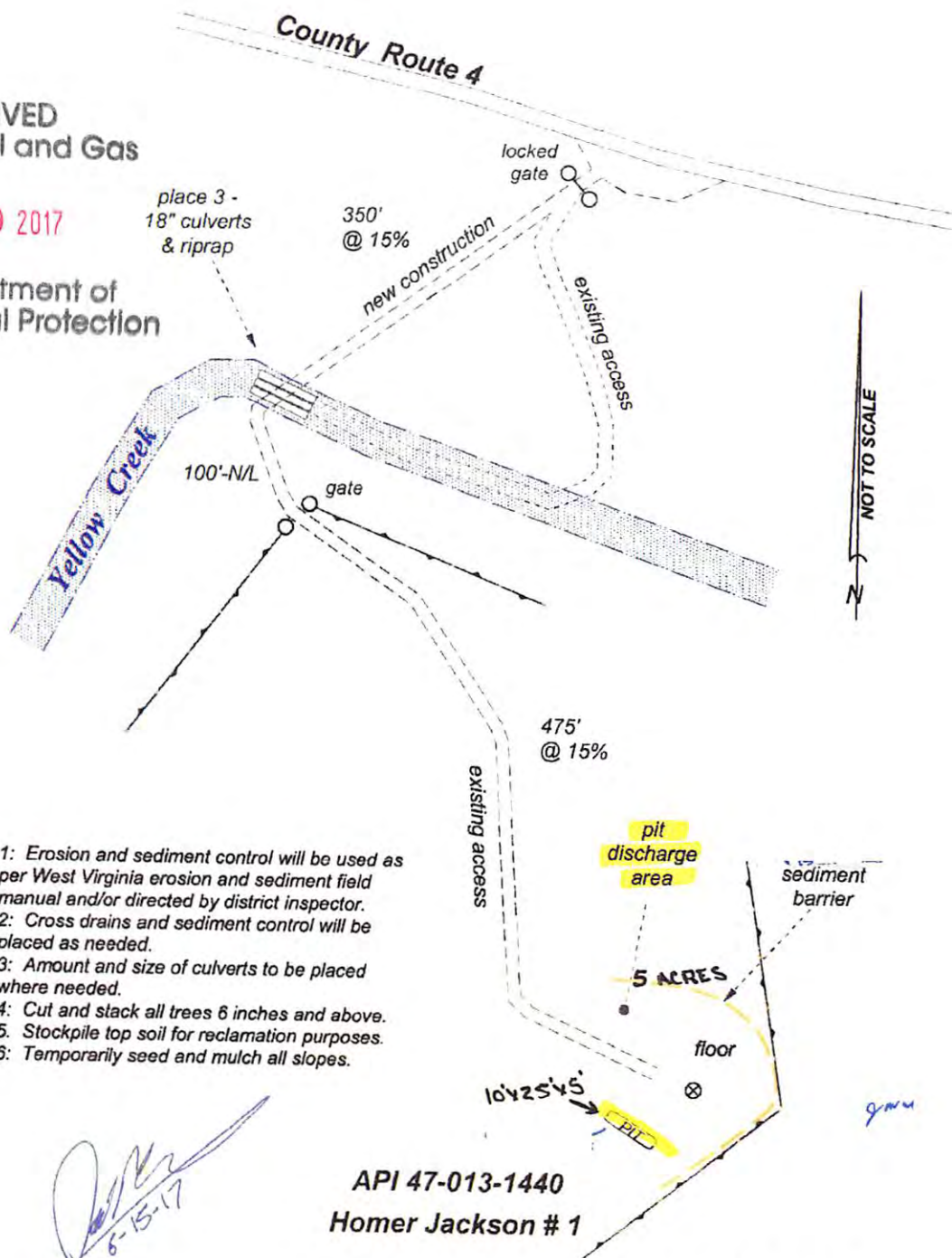
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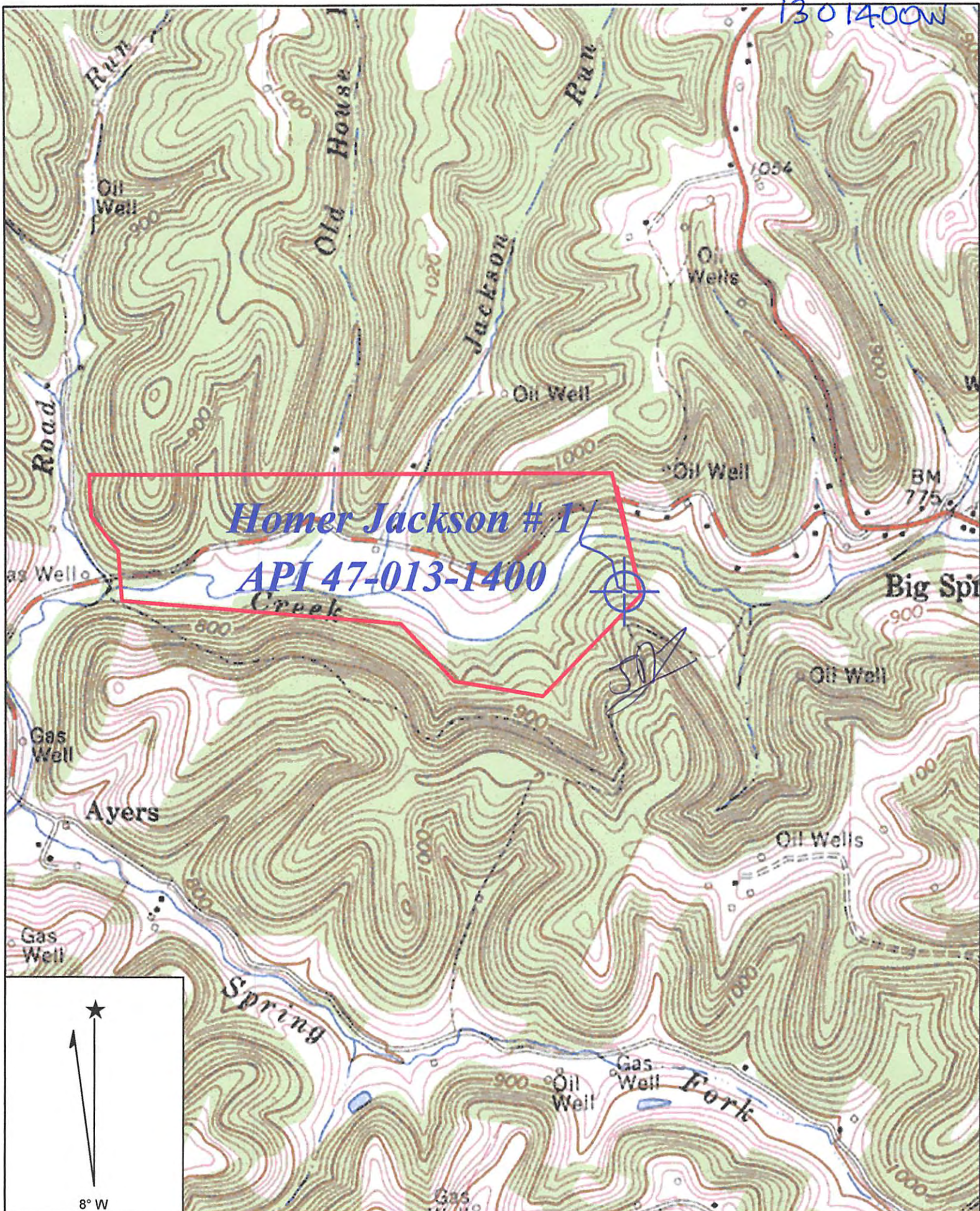
- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

[Handwritten Signature]
6-15-17

API 47-013-1440
Homer Jackson # 1

minor surface dirt removal
will use existing level location

07/14/2017



Copyright (C) 1997, Maptech, Inc.

GRANTSVILLE QUADRANGLE

SCALE 1" = 1000'

BUCKEYE OIL PROD.

WELL: HOMER JACKSON # 1 API 47-013-1400
 STANLEY K. WILSON, AGENT 125 ACRE LEASE

CENTER DISTRICT CALHOUN COUNTY WEST VIRGINIA

RECEIVED
 Office of Oil and Gas

JUN 21 2017

WV Department of
 Environmental Protection

07/14/2017

1301400W

WW-2B1
(5-12)

Well No. Homer Jackson #1

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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.

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

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Microboc Lab
Sampling Contractor Buckeye Oil Producing Co.

Well Operator Buckeye Oil Producing Co.
Address PO Box 129
Wooster, OH 44691
Telephone 330-264-8847

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 underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

N/A

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81° 04' 53.1"
(81.08142)
11320'

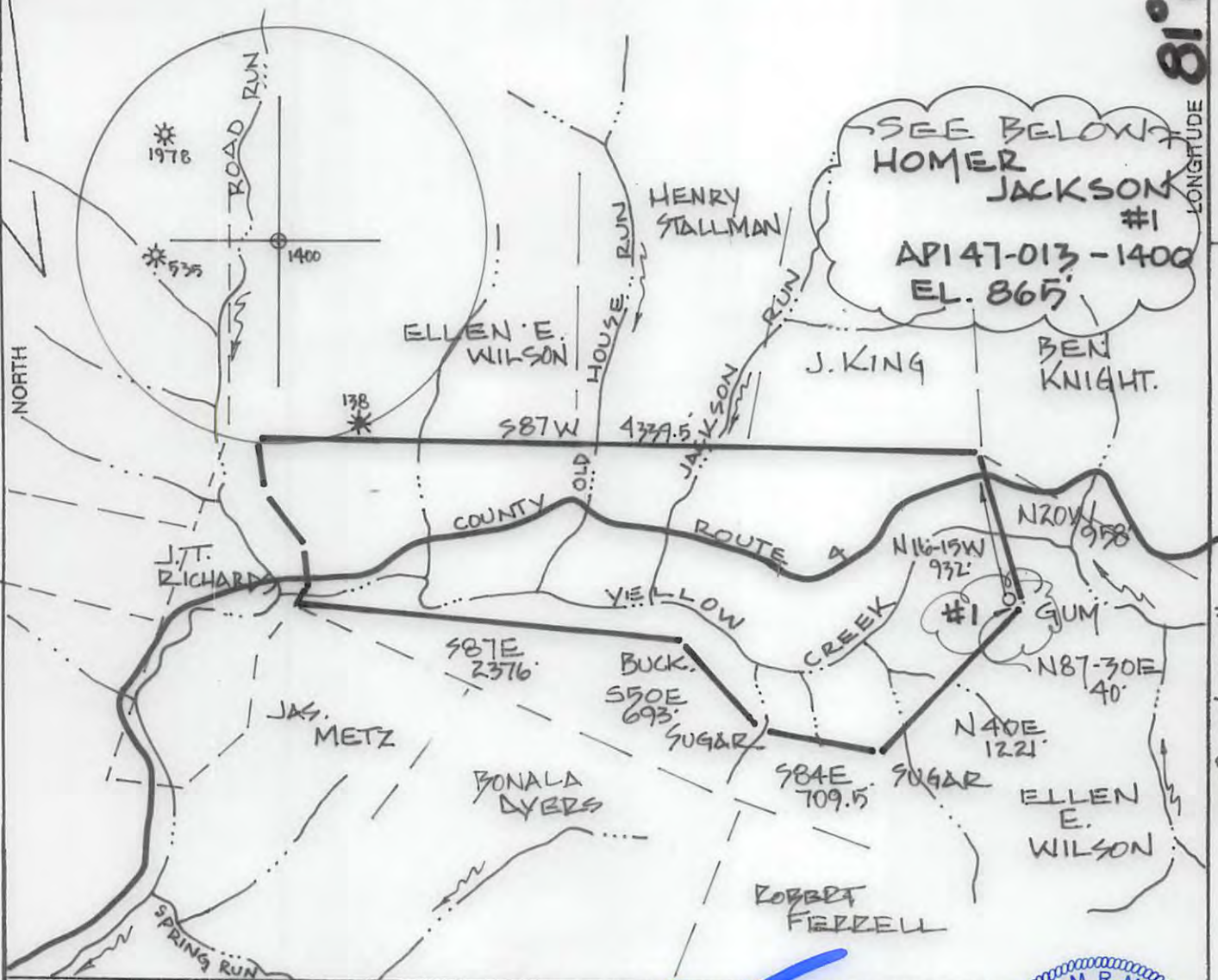
LATITUDE 39° 00'

STANLEY K. WILSON AGENT 125 ACRE LEASE

LONGITUDE 81° 02' 30"

6070'

UTM NAD 83
4314922 : N
492948 : E
WV STATE PLANE
179974' : N
1518966 : E



38° 58' 59.7"
(78.98326)

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY ORIGINAL
PROVEN SOURCE OF ELEVATION API 47-013 -1400

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
(SIGNED) _____
R.P.E. _____ P.S. 551



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS



DATE MAY 5, 2017
OPERATOR'S WELL NO. 1
API WELL NO. 47 013 1400
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 865' WATER SHED YELLOW CREEK
DISTRICT CENTER COUNTY CALHOUN
QUADRANGLE GRANTSVILLE

SURFACE OWNER GREG TAYLOR ACREAGE 125
OIL & GAS ROYALT STANLEY K. WILSON, AGENT LEASE AC 125

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) CLEAN OUT PERF & FRAC BORE

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BEREA ESTIMATED DEPTH 2207'
WELL OPERATOR BUCKEYE OIL PROD. DESIGNATED AGENT HENRY W. SINNETT, JR.
ADDRESS P.O. BOX 129 ADDRESS 1923 YELLOW CREEK ROAD
WOOSTER, OHIO 44691 BIG BEND, WY 26136

07/14/2017

FORM WW-6

COUNTY NAME PERMIT