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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, June 2, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

SKYBOX, LLC  
3570 SHIELDS HILL RD.  
CAIRO, WV 26337

Re: Permit approval for FELL 1  
47-073-02107-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: FELL 1  
Farm Name: PATRICK DEAN SOLE  
U.S. WELL NUMBER: 47-073-02107-00-00  
Vertical Plugging  
Date Issued: 6/2/2022

# 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 April 25, 2022  
2) Operator's  
Well No. Fell #1  
3) API Well No. 47-073-02107

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  / Gas  / Liquid injection  / Waste disposal  /  
(If "Gas, Production  or Underground storage  ) Deep  / Shallow
- 5) Location: Elevation 617' Watershed Sugar Creek  
District Union County Pleasants Quadrangle Bens Run
- 6) Well Operator Skybox LLC 7) Designated Agent \_\_\_\_\_  
Address 3570 Shields Hill Road Address 3570 Shields Hill Road  
Cairo, WV 26337 Cairo, WV 26337
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Doug Newlon Name Jay-Bee Oil & Gas, Inc.  
Address 601 57th Street, SE Address 3570 Shields Hill Road  
Charleston, WV 25304-2345 Cairo, WV 26337

- 10) Work Order: The work order for the manner of plugging this well is as follows:  
Run cement log<sup>208'</sup> on 2.875" tubing. Set bottom cement plug from ~~2080'~~<sup>300'</sup> 578', with 45 sacks cement  
shoot off 2.875 at 577' pull <sup>TUBING</sup> pipe, run cement top log on 5.5" casing, shoot off 5.5" casing above cement top  
pull, 5.5" casing. Run cement top log on 7" casing, shoot off casing at approximately 200'.  
Run 2.875" back in to spot top cement plug, at 578' depth, cement with 150 sacks  
cement. Next day top off cement. Set monument 6" diameter pipe with API#, 10'  
below surface 3' above surface.

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

Douglas Newlon

Date

4-27-2022

06/03/2022

WR-35

09-Jul-92  
API # 47- 73-02107

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

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07 15 92

Well Operator's Report of Well Work

APR 29 2022

Farm name: WILLIAMS, EMMA J.

Operator Well No.: FELL #1

WV Department of  
Environmental Protection

LOCATION: Elevation: 617.00 Quadrangle: BENS RUN

District: UNION County: PLEASANTS  
Latitude: 14710 Feet South of 39 Deg. 27Min. 30 Sec.  
Longitude: 1820 Feet West of 81 Deg. 5 Min. 0 Sec.

Company: GASSEARCH CORPORATION  
7845 EMERSON AVENUE  
PARKERSBURG, WV 26101-0000

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	178'	178'	to surface
7"	522'	522'	to 178'

Agent: NOBLE ZICKEFOOSE

Inspector: SAMUEL HERSMAN  
Permit issued: 07/10/92  
Well work Commenced: 8-3-92  
Well work Completed: 8-9-92  
Verbal Plugging  
Permission granted on:  
Rotary X Cable      Rig       
Total Depth (feet) 800'  
Fresh water depths (ft) 25', 33', 48', 122', 145'  
Salt water depths (ft) none

Is coal being mined in area (Y/N)? N  
Coal Depths (ft):     

OPEN FLOW DATA

Producing formation Cow Run Pay zone depth (ft) 535', 725'  
Gas: Initial open flow show MCF/d Oil: Initial open flow none Bbl/d  
Final open flow N/A MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation      Pay zone depth (ft)       
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 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.

PLEAS 2107

For: GASSEARCH CORPORATION

Reviewed TMB  
Recorded     

By: Noble Zickfoose  
Date: 10-19-92

Well is currently being evaluated. The well has not been stimulated.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Remarks</u>
Loose Gravel	0'	36'	25' ½" stream water
Shale, Red Rock	36'	85'	33', 48' ½" stream water
Shale, Lime	85'	103'	
Shale, sand	103'	161'	122' 1" stream water
Sand, lime	161'	197'	145' 1" stream water
Shale	197'	325'	
Red rock	325'	400'	
Red rock & shale	400'	525'	
Shale and lime	525'	535'	
1st Cow Run	535'	560'	small show of gas
Shale	560'	725'	
2nd Cow Run (Dunkard)	725'	730'	
Shale	730'	800' - TD	

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 WV Division of  
 Environmental Protection  
 OCT 15 92  
 Permitting  
 Office of Oil & Gas

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WV Department of  
 Environmental Protection

13890

06/03/2022

47-073-02107P

IR/26  
OVERSE

INSPECTOR'S PERMIT SUMMARY FORM

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OCT 20 92  
Division of  
Environmental Protection

WELL TYPE \_\_\_\_\_

API# 47- 73-02107

ELEVATION: 617.00

OPERATOR: GASSEARCH CORPORATION

DISTRICT: UNION

TELEPHONE: (304)464-4666

QUADRANGLE: BENS RUN

FARM: MIXER, EMMA J.

COUNTY: PLEASANTS

WELL NO.: FELL #1

SURFACE OWNER \_\_\_\_\_

COMMENTS (Y/N) \_\_\_\_\_ TELEPHONE \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_

DATE APPLICATION RECEIVED 07/08/92

DATE PERMIT ISSUED: 07/10/92

DATE LOCATION STARTED 7-30-92

NOTIFIED 7-29-92

DRILLING COMMENCED 8-3-92

WATER DEPTHS 25, 33, 48, 122

L- LARGE STREAM OR WATER AT THIS POINT

COAL DEPTHS \_\_\_\_\_

CASING

RAN 180 FEET OF 9 5/8" PIPE ON 8-5-92 WITH 50 SACKS FILL UP

RAN 522 FEET OF 7" PIPE ON 8--92 WITH 50 SACKS FILL UP

RAN \_\_\_\_\_ FEET OF \_\_\_\_\_" PIPE ON \_\_\_\_\_ WITH \_\_\_\_\_ FILL UP

RAN \_\_\_\_\_ FEET OF \_\_\_\_\_" PIPE ON \_\_\_\_\_ WITH \_\_\_\_\_ FILL UP

RAN \_\_\_\_\_ FEET OF \_\_\_\_\_" PIPE ON \_\_\_\_\_ WITH \_\_\_\_\_ FILL UP

T.D. 800' ON 8-8-92 PITS

PIT DISCHARGE DATE \_\_\_\_\_ TYPE \_\_\_\_\_

FIELD ANALYSIS pH \_\_\_\_\_ Fe \_\_\_\_\_ mg/l Cl \_\_\_\_\_ mg/l  
D.O. \_\_\_\_\_ mg/l TOC \_\_\_\_\_ mg/l

WELL RECORD RECEIVED \_\_\_\_\_ pH OF PRE-SEEDING SOIL \_\_\_\_\_

DMR RECEIVED \_\_\_\_\_ ACRES DISTURBED \_\_\_\_\_

DATE RELEASED 10-14-92 TONS OF LINE APP. \_\_\_\_\_

TONS OF 10-20-20 APP. \_\_\_\_\_ BALES OF MULCH APP. \_\_\_\_\_

Samuel Newman  
INSPECTOR'S SIGNATURE

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-----RECORD ALL VISITS TO THIS WELL ON BACK-----

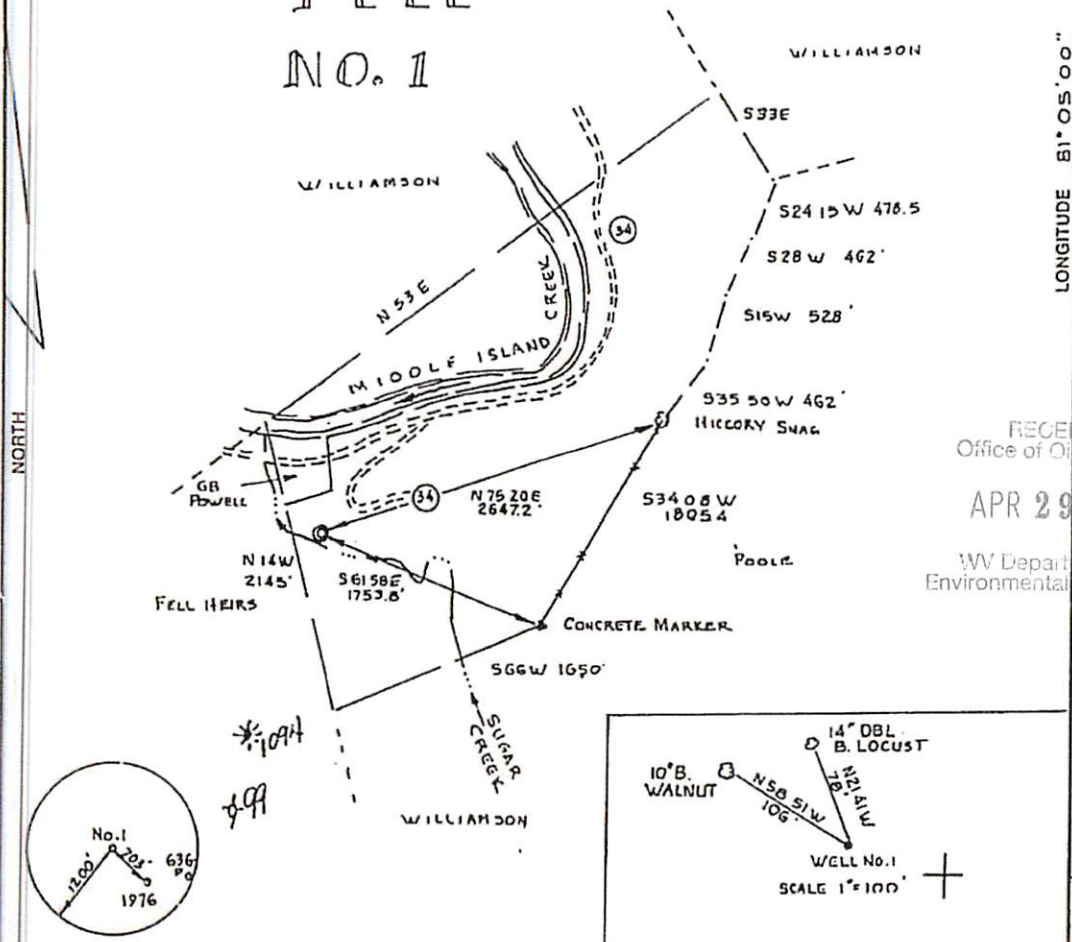
06/03/2022

47-073-02107 P

Janie 10/4/96  
7/9/92 GAS SEARCH  
FELL  
NO. 1

LATITUDE 39° 27' 30"

LONGITUDE 81° 05' 18"



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WV Department of Environmental Protection

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

FILE NO. 92-0615-053  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION USGS

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) [Signature]

R.P.E. \_\_\_\_\_ L.L.S. # 807  
Rt. 10 Box 137, PARKERSBURG, WV W. 205-2056



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

DATE JUNE 15, 1992  
OPERATOR'S WELL NO. 1  
API WELL NO. 47-073-02107

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 617 WATERSHED SUGAR CREEK STATE WV COUNTY PLEASANTS PERMIT Cancelled  
DISTRICT LAFAYETTE UNION COUNTY PLEASANTS  
QUADRANGLE BENS RUN 7.5

SURFACE OWNER HAZEL FELL ETAL ACREAGE 200  
OIL & GAS ROYALTY OWNER HAZEL FELL ETAL LEASE ACREAGE 200  
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) Drill existing well deeper to 200' fracture

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
TARGET FORMATION Cow Run ESTIMATED DEPTH 900'

WEI \_\_\_\_\_ DESIG \_\_\_\_\_  
ADI G & S Oil & Gas Company ADDI Richard F. Shimer  
402 Farmco Street Same Address  
Parkersburg, wva. 26102-5762 PH: 304-422-9460

MT. HALL - 0818 - FORM WV-6

COUNTY NAME PLEASANTS  
PERMIT 2107

06/03/2022

WW-4A  
Revised 6-07

1) Date: 4/25/2022  
2) Operator's Well Number  
Fell #1 \_\_\_\_\_  
3) API Well No.: 47 - 073 - 02107

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

4) Surface Owner(s) to be served:  
(a) Name Patrick Dean Sole  
Address 2995 Larkmead Road  
Washington, WV 26181  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Doug Newlon  
Address 601 57th Street, SE  
Charleston, WV 25304-2345  
Telephone 304-932-8049

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 \_\_\_\_\_

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APR 29 2022  
WV Department of  
Environmental Protection

**TO THE PERSONS 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 its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

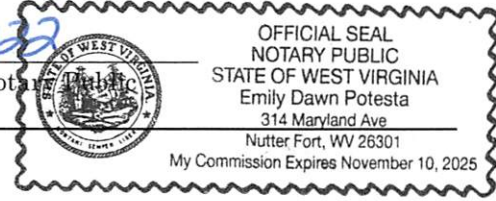
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 Skybox LLC  
By: Natalie Haddix  
Its: Land Manager  
Address 3570 Shields Hill Road  
Cairo, WV 26337  
Telephone 304-904-7135

*Natalie Haddix*

Subscribed and sworn before me this 25<sup>th</sup> day of April, 2022  
Emily Dawn Potesta  
My Commission Expires Nov. 10, 2025



**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](mailto:depprivacyofficer@wv.gov).



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<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.05	
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<input type="checkbox"/> Adult Signature Required	\$	26330 USPS
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$ .73	
<b>Total Postage and Fees</b>	<b>\$ 7.18</b>	<b>Fell #1 Plugging</b>
Sent To	Patrick Sole	
Street and Apt. No., or PO Box No.	2995 Larkmead Rd.	
City, State, ZIP+4®	Washington, WV 26181	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for instructions

06/03/2022

4707302107P

WW-9  
(5/16)

API Number 47 - 073 - 02107  
Operator's Well No. Fell #1

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

Operator Name Skybox LLC OP Code 494525479

Watershed (HUC 10) Sugar Creek Quadrangle Bens Run

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.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 47-085-09721 )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Using Contract Haulers (API# 47-085-05151) )

Will closed loop system be used? If so, describe: n/a

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

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

Additives to be used in drilling medium? n/a

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

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

-Landfill or offsite name/permit number? Meadowfill/Permit 101219WV

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 Natalie Haddix

Company Official (Typed Name) Natalie Haddix

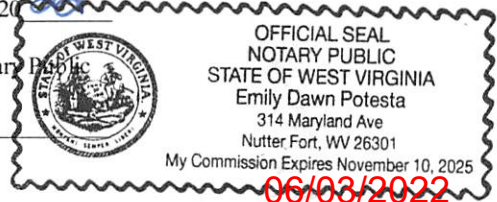
Company Official Title Land Manager

Subscribed and sworn before me this 25<sup>th</sup> day of April, 2023

Emily Dawn Potesta

Notary Public

My commission expires Nov. 10, 2025



WV Department of Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed less than 1 Prevegetation pH 6

Lime 3 Tons/acre or to correct to pH 6.8

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay 20 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	KY Bluegrass	20
Field Bloomgrass	40	Creeping Red Fescue	30
Sundangrass	40	Perennial Ryegrass	10

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: Stanglas Newton

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

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WV Department of  
Environmental Protection

Title: Oil & Gas Inspector Date: 4-28-2022

Field Reviewed? ( ) Yes (  ) No

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

Operator Name: Skybox, LLC

Watershed (HUC 10): Sugar Creek Quad: Bens Run

Farm Name: Fell #1

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

N/A - Not discharging fluids.

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

"Closed Loop System" - All returns will be hauled to a WVDEP approved facility. No cuttings or fluids will be discharged on site.

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

N/A - Not discharging fluids.

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

N/A

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

N/A

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

Jay-Bee will not use waste material for deicing or fill material on the property. All material will be disposed of at an approved facility.

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.

N/A - See section 2

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

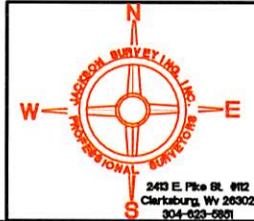
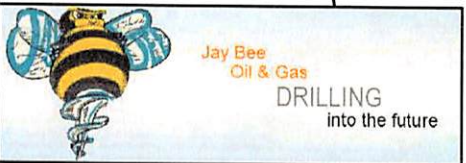
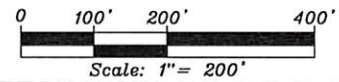
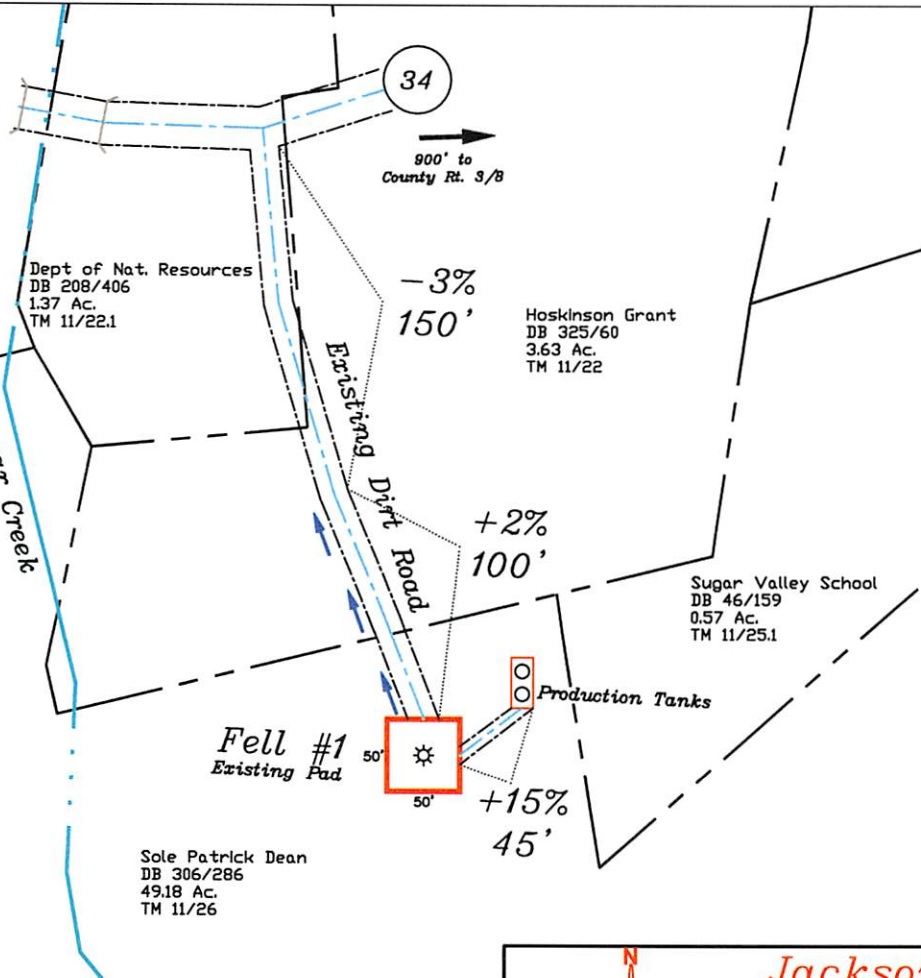
Daily inspections of all equipment will be conducted.

Signature: Douglas Newton

Date: 4-27-2022

WW-9

Supplemental Page 1



*Jackson Surveying Inc.*

**FELL #1 WELL**  
Union District, Pleasants County  
April 15, 2022

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APR 29 2022  
Office of Oil and Gas

4707302107P

WW-9

Supplemental Page 2



West Virginia  
State Plane  
NAD '83  
North Zone

Species Name	Seeding Rate (lb/acre)	Soil Drainage Preference	pH Range
NY Bluegrass	20		
Timothy	3	Well - Mod. Well	5.5 - 7.5
Ladino Clover or Birdfoot Trefoil	2.70		
Timothy	5		
Alfalfa	12	Well - Mod. Well	6.5 - 8.0
Timothy	10		
Birdfoot Trefoil	8	Well - Poorly	6.5 - 7.8
Crochgrass	10		
Ladino Clover	2	Well - Mod. Well	5.5 - 7.5
Alfalfa	2		
Crochgrass	10	Well - Mod. Well	5.5 - 7.5
Perennial Ryegrass	10	Well - Mod. Well	5.5 - 7.5
Creeping Red Fescue	30		
Perennial Ryegrass	10	Well - Mod. Well	5.5 - 7.5
Crochgrass or Kentucky Bluegrass	20	Well - Mod. Well	6.0 - 7.5
Birdfoot Trefoil	10		
Redtop	5	Well - Mod. Well	5.5 - 7.5
Crochgrass	20		
Ladino Flat Pea	20	Well - Mod. Well	5.5 - 7.5
Perennial Ryegrass	20		
Ladino Flat Pea	30		
Crochgrass	30	Well - Mod. Well	5.5 - 7.5

Table 105. Lime and Fertilizer Application Rates

pH of Soil	Lime in Tons Per Acre	Fertilizer, Lbs. per Acre (to 20-20-20 or Equivalent)
Above 6.0	2	800
5.0 to 6.0	3	800
Below 5.0	4	800

The pH can be determined with a portable pH meter or by sending the soil sample to a soil testing laboratory. When a series of new pastures are added it must be incorporated into the soil by disking, plowing or tilling soil and cover the area.

Table 106. Mulch Materials Rates and Uses

Material	Minimum Rates Per Acre	Coverage	Remarks
Hay or Straw	2 to 3 Tons	Cover 75% to 100% of surface	Subject to wind blowing or washing or break tied down for hydroseeding
Wood Fiber	100 to 150 Bales	80% of Surface	For Hydroseeding
Pulp Fiber	1000 to 1500 lbs	Coverage	Disturbed Areas
Wood-Cellulose			
Recycled Paper			

Table 107. Recommended seeding dates for permanent and temporary cover unless otherwise specified.

Planting Cycle	Suitability
March 1 - April 15 and August 1 - October 1	Best seeding periods
April 15 - August 1	HIGH RISK - moisture stress likely
October 1 - Dec. 1	HIGH RISK - Freeze damage to young seedlings
Dec. 1 - March 1	Good seeding period. Dormant seeding.

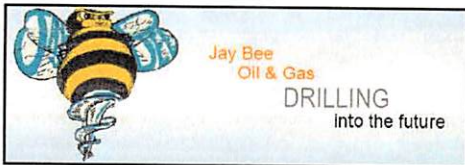
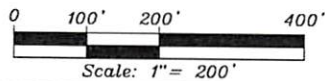
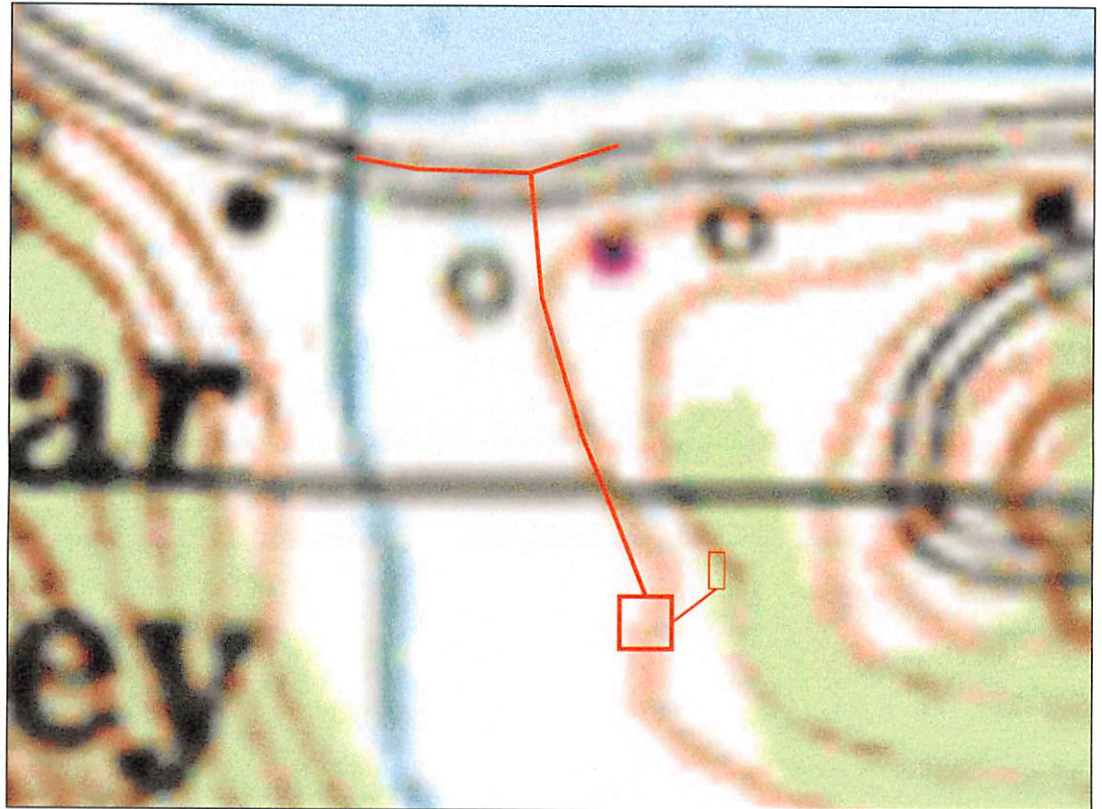
Table 2. Acceptable fertilization recommendation in absence of a soil test.

Species	N (lb/acre)	P2O5 (lb/acre)	K2O (lb/acre)	Example Rec. (lb/acre)
Cool Season Grass	40	80	80	400 lbs. 15-20-20
CS Grass & Legume	30	60	60	300 lbs. 15-20-20
Temporary Cover	40	40	40	200 lbs. 19-19-19

Table 3. Temporary cover suitable for establishment in West Virginia.

Species	Seeding Rate (lb/acre)	Optimal Seeding Dates	Establishment	pH Range
Annual Ryegrass	40	5/15 - 8/15 or 9/15 - 9/15	Well - Poorly	5.5 - 7.5
Field Brome Grass	40	5/15 - 8/15 or 9/15 - 9/15	Well - Mod. Well	6.5 - 7.0
Spring Oats	95	3/1 - 6/15	Well - Poorly	5.5 - 7.0
Budgrass	40	5/15 - 9/15	Well - Poorly	5.5 - 7.5
Winter Rye	165	5/15 - 10/15	Well - Poorly	5.5 - 7.5
Winter Wheat	180	8/15 - 11/15	Well - Mod. Well	5.5 - 7.0
Japanese Millet	30	5/15 - 9/15	Well	4.5 - 7.0
Redtop	5	3/1 - 6/15	Well - Poorly	4.0 - 7.5
Annual Ryegrass	25	3/1 - 6/15	Well - Poorly	5.5 - 7.5
Spring Oats	64	3/1 - 6/15	Well - Poorly	5.5 - 7.5

NOTE: These rates should be increased by 50% if sown April 15 - August 1 and October 1 - March 1.



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Jackson Surveying Inc.

**FELL #1 WELL**  
Union District, Pleasants County  
April 15, 2022

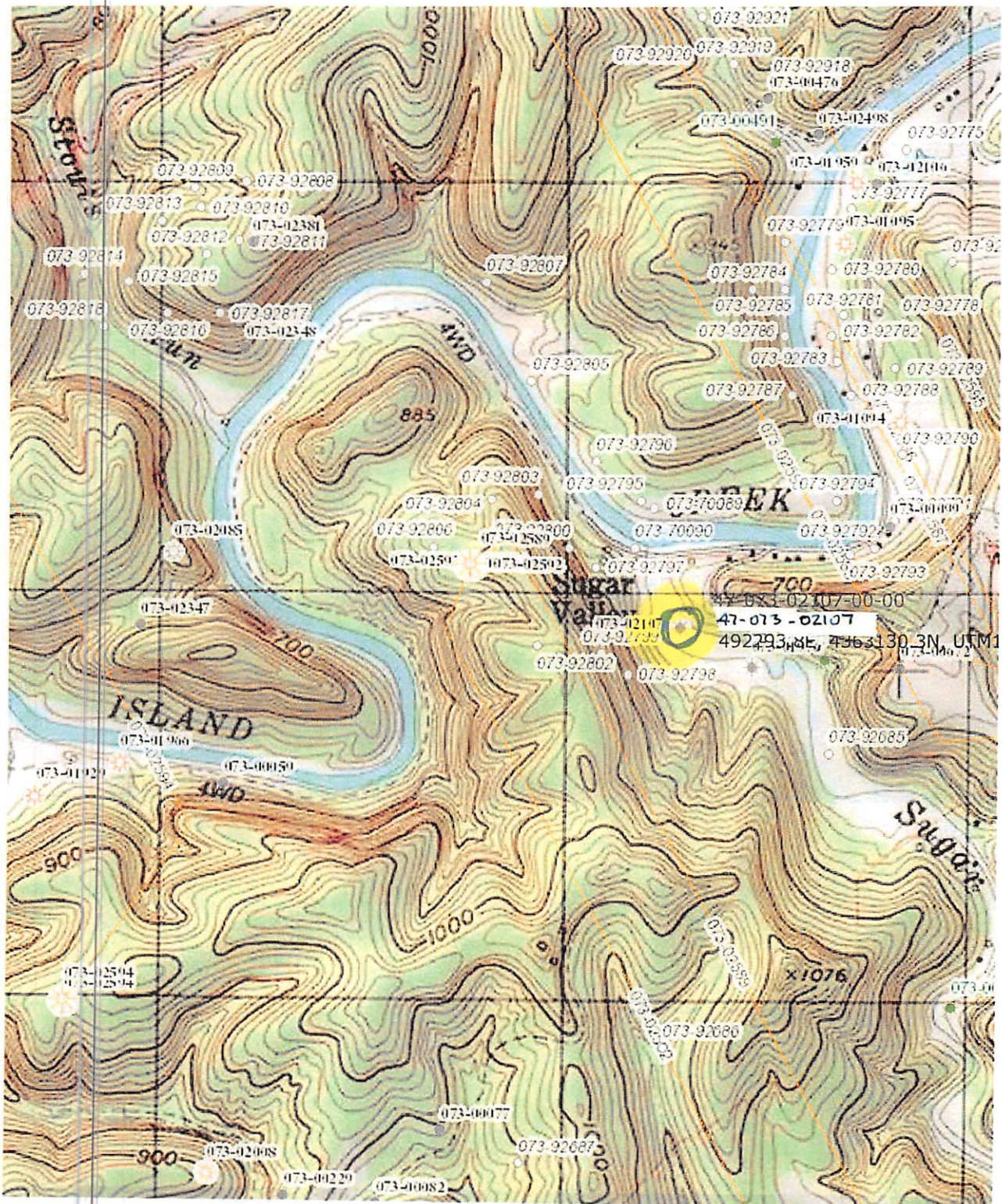
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WV Department of  
Environmental Protection







West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-073-02107 WELL NO.: Fell #1

FARM NAME: Fell

RESPONSIBLE PARTY NAME: Skybox LLC

COUNTY: Pleasants DISTRICT: Union

QUADRANGLE: Bens Run

SURFACE OWNER: Patrick Dean Sole

ROYALTY OWNER: Virginia Sole, Ronald Holmes, Sandra Lamm, Kenneth Holmes, Joyce Caputo, Stuart Hamilton

UTM GPS NORTHING: ~~4717443~~ 4363167

UTM GPS EASTING: ~~126736~~ 492314 GPS ELEVATION: ~~187~~ 614'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and 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

4. Letter size copy of the topography map showing the well location.

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.

David L Jackson  
Signature

Professional Surveyor  
Title

04-15-2022  
Date

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