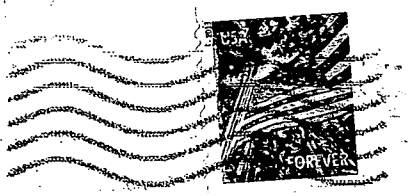
Jackson Surveying, Inc
PO Box 1460
Clarksburg, WV 26302

CHARLESTON WV 250
05 JAN 2014 PM 3L



FILED
2014 JAN -8 PM 12:02
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

Dan Wellings
Doddridge Co. Floodplain Coordinator
Doddridge Co. Courthouse
118 E. Court Street
West Union, WV 26456

26456126227

DLF

DENNIS L. FISHER

Professional Engineer
Professional Surveyor
Barbour County Surveyor

PO BOX 281, PHILIPPI, WEST VIRGINIA 26416
CELL (304) 677-4129
Fisher.Engineering@gmx.com

January 3, 2014

FILED
2014 JAN 13 PM 2:37
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

Dan Wellings

Doddridge County Floodplain Coordinator

Doddridge County Courthouse

118 E. Court Street

West Union, West Virginia 26456

Re : Jay Bee Oil & Gas Drilling

Robert M. Ash Pad

McClellan District

Doddridge County

Dear Dan :

I am attaching a copy of the FEMA Firm Map Panel 540024 0045C showing the Robert M. Ash Pad in relation to the AE Flood Zone. This letter will serve to certify that no construction for the proposed pad and access road will be within the flood zone area. If you need any additional information, please do not hesitate to contact me.

Cordially yours,

Dennis L. Fisher

Dennis L. Fisher

Dennis L. Fisher , WV PE # 8684

DENNIS L. FISHER
REGISTERED
No. 8684
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

DLF · **DENNIS L. FISHER**
Professional Engineer
Professional Surveyor
Barbour County Surveyor

PO BOX 281, PHILIPPI, WEST VIRGINIA 26416
CELL (304) 677-4129
Fisher.Engineering@gmx.com

January 3, 2014

Dan Wellings

Doddridge County Floodplain Coordinator

Doddridge County Courthouse

118 E. Court Street

West Union, West Virginia 26456

Re : Jay Bee Oil & Gas Drilling

Robert M. Ash Pad

McClellan District

Doddridge County

Dear Dan :

I am attaching a copy of the FEMA Firm Map Panel 540024 0045C showing the Robert M. Ash Pad in relation to the AE Flood Zone. This letter will serve to certify that no construction for the proposed pad and access road will be within the flood zone area. If you need any additional information, please do not hesitate to contact me.

Cordially yours,

Dennis L. Fisher

Dennis L. Fisher

Dennis L. Fisher , WV PE # 8684

DENNIS L. FISHER
REGISTERED
No. 8684
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

13-111

JAY-BEE OIL & GAS, INC.

December 26, 2013

Doddridge County Floodplain Commission
135 Court Street, Room 102
West Union, WV 26456

RE: Robert M Ash Pad Flood Zone

FILED
2013 DEC 27 PM 2:49
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

Flood Permitting Commission:

We have recently applied for a well permit for the Robert M Ash Pad in Doddridge County, West Virginia. Included in this packet is the Doddridge County Floodplain Permit Application, set of construction plans, and WV Floodplain Tool snapshot.

Being that this location is an existing pad, and well out of the floodplain, we have reason to believe that this will not require a flood survey. We are asking for initial review prior to submitting a large volume check.

If I am incorrect, please call me at 304-628-3111 and let me know of the remaining steps that I need to take in this process.

Sincerely,

Shane Dowell
Office Manager

3570 Shields Hill Rd, Cairo, WV 26337 ▪ Phone 304-628-3111 ▪ Fax 304-628-3119

DODDRIDGE COUNTY
FLOODPLAIN APPLICATION PERMIT FEES

Accessory Building and/or Appurtenant Structures ---------- $100.00
(examples: garage, storage or pole building, carport)
(the total cost of which do not exceed $10,000.00)

Accessory Building and/or Appurtenant Structures, Additions and/or Substantial Improvement to Single Family Residential or Manufactured Homes, New Single or Multi-Family Residential and Commercial Structures or Substantial Improvement to existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
(commercial structures includes buildings used for business purposes)
(the total costs of which exceed $10,000.00 but do not exceed $50,000.00) ---- $250.00

Accessory Building and/or Appurtenant Structures, Additions and/or Substantial Improvement to Single Family Residential or Manufactured Homes, New Single or Multi-Family Residential and Commercial Structures or Substantial Improvement to existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
(commercial structures includes buildings used for business purposes)
(the total costs of which exceed $50,000.00 = $350.00 fee plus $2.oo additional fee per $1,000.00 in project costs to cover amounts over $50,000.00) ---------- $350.00 flat fee up to $100,000.00 in project costs

New Industrial Structures or Additions and/or Substantial Improvement to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial purposes
(industrial structures includes oil and/or natural gas wells, roads, bridges, tank pads, and Buildings used or associated with oil and natural gas purposes)
(the total costs of which do not exceed $100,000.00) ---------- $500.00

New Industrial Structures or Additions and/or Substantial Improvement to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial purposes
(industrial structures includes oil and/or natural gas wells, roads, bridges, tank pads, and Buildings used or associated with oil and natural gas purposes)
(the total costs of which exceed $100,000.00 = $1,000.00 fee plus $5.00 additional fee per $1,000.00 in project costs over $100,000.00) ---------- $1,000.00 flat fee up to $100,000.00 in project costs

Maximum Fee: In no event shall any Floodplain Application Permit Fee charged under the Doddridge County Floodplain Ordinance exceed the sum of $25,000.00.

13-111

Jay-Bee
Robert M. Ash Pad.

DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

FILED
2013 DEC 27 PM 2:49
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE _____

DATE 12-26-2013

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Jay-Bee Oil & Gas, Inc

ADDRESS: 3570 Shields Hill Rd, Cairo, WV 26337

TELEPHONE NUMBER: 304-628-3111

BUILDER'S NAME: Ellison Dozer Service

ADDRESS: 184 Butternut St, Elizabeth, WV 26143-9735

TELEPHONE NUMBER: 304-375-3220

ENGINEER'S NAME: Jackson Surveying

ADDRESS: 677 W. Main St, Clarksburg, WV 26301

TELEHONE NUMBER: 304-623-5851

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Robert M. Ash

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) 2395 Whitehall Blvd
Whitehall, WV 26554

DISTRICT: McClellan

DATE/FROM WHOM PROPERTY
PURCHASED: Leased 3/2010

LAND BOOK DESCRIPTION: 55 Acres

DEED BOOK REFERENCE: 242/442

TAX MAP REFERENCE: Map 11 Parcel 09

EXISTING BUILDINGS/USES OF PROPERTY: Road and Drilling pad is existing

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Robert M. Ash (not residing, owning only)

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY 2395 Whitehall Blvd
Whitehall, WV 26554

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY		STRUCTURAL TYPE	
[]	New Structure	[]	Residential (1 – 4 Family)
[]	Addition	[]	Residential (more than 4 Family)
[X]	Alteration	[]	Non-residential (floodproofing)
[]	Relocation	[]	Combined Use (res. & com.)
[]	Demolition	[]	Replacement
[]	Manufactured/Mobil Home		

B. OTHER DEVEOPLMENT ACTIVITIES:

[X] Fill [] Mining [X] Drilling [] Pipelining

[] Grading

[X] Excavation (except for STRUCTURAL DEVELOPMENT checked above)

[] Watercourse Altercation (including dredging and channel modification)

[X] Drainage Improvements (including culvert work)

[] Road, Street, or Bridge Construction

[] Subdivision (including new expansion)

[] Individual Water or Sewer System

[] Other (please specify)

_____

C. STANDARD SITE PLAN OR SKETCH

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**
   SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. **SIGN AND DATE THE SKETCH.**

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN $ 25, 000

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. **NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).**

NAME: Frank Simons
ADDRESS: 20013 Waterbeach Place
Sterling, VA 20165

NAME: Jaunita Weedon
ADDRESS: 536 Elizabeth Lane
Glenburnie, MD 21061

NAME: Robert M Ash
ADDRESS: 2395 Whitehall Blvd
Whitehall, WV 26554

NAME: Jack Lamp
ADDRESS: HC 67 Box 131
West Union, WV 26456

1. **NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.**

NAME: No Permanent Residents
ADDRESS:

NAME:
ADDRESS:

NAME:
ADDRESS:

NAME:
ADDRESS:

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

(A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.

(B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.

(C) PUBLICATION.

(D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.

(E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): Shane Dowell

SIGNATURE: _____ **DATE:** 12-26-2013

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: 45

Dated: 10/04/2011

[X] Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOOPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

[] Is located in Special Flood Hazard Area.

FIRM zone designation_____

100-Year flood elevation is:_____NGVD (MSL)

[] Unavailable

[] The proposed development is located in a floodway.

FBFM Panel No._____ Dated_____

[] See section 4 for additional instructions.

SIGNED Dan Wellington DATE 06/09/2014

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

[] A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.

[] Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also_____

_____

[] Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).

[] Plans showing the extent of watercourse relocation and/or landform alterations.

[] Top of new fill elevation_____Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.

[] Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.

[] Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

[] Other:

_____

_____

_____

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity **(type is or is not)** in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED_____DATE_____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? [] Yes {} No
Hearing Date:_____
County Commission Decision - Approved [] Yes [] No

CONDITIONS:_____

_____

_____

_____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is_____FT. NGVD (MSL)

2 Actual (As Built) elevation of floodproofing is_____FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE:_____ **BY:**_____

DEFICIENCIES ? **Y/N**

COMMENTS_____

_____

_____

_____

_____

_____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE:_____ BY:_____

CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)

PERMIT NUMBER:_____
PERMIT DATE:_____

PURPOSE –

CONSTRUCTION LOCATION:_____

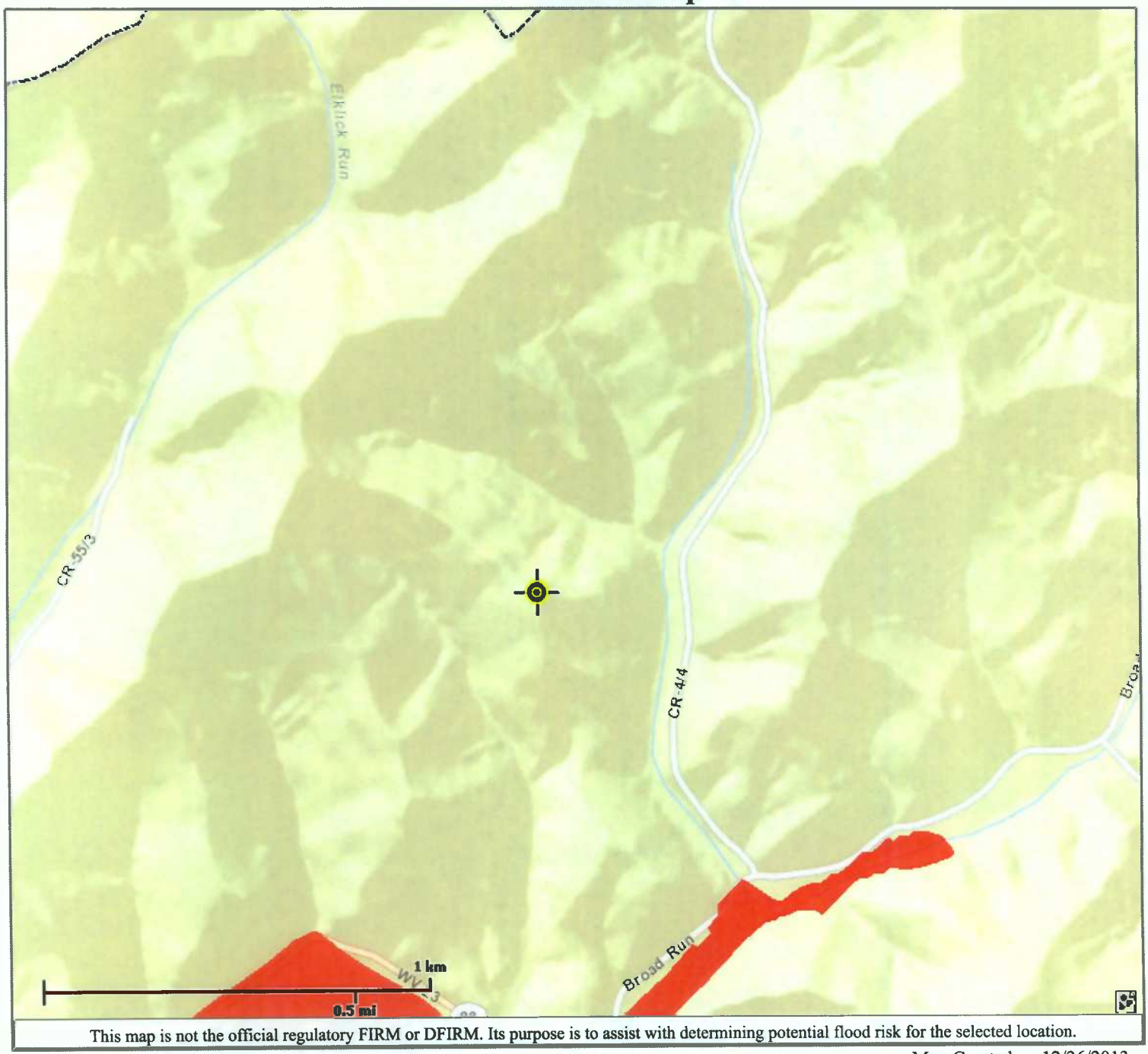
OWNER'S ADDRESS:_____
_____
_____

THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN ADMINISTRATOR/MANAGER OR HIS/HER AGENT.

COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF DODDRIDGE COUNTY ON MAY 21, 2013.

SIGNED_____**DATE**_____

Robert M Ash Floodplain



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 12/26/2013

Location of the mouse click

Flood Hazard Zone
(1% annual chance floodplain)

User Notes:

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (http://www.MapWV.gov/flood)

Flood Hazard Area: Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood hazard areas may be present.

Elevation: About 1161 feet

Location (long, lat): 80.676235 W, 39.415105 N

Location (UTM 17N): (527871, 4362893)

FEMA Issued Flood Map: 54017C0045C

Contacts: Doddridge County

CRS Information: No CRS information available

Parcel Number:

Robert M. Ash Well Pad
Site Plan

GRID NORTH

West Virginia State Plane
NAD '83
North Zone
RTK GPS

McCLELLAN DISTRICT, DODDRIDGE COUNTY, WV

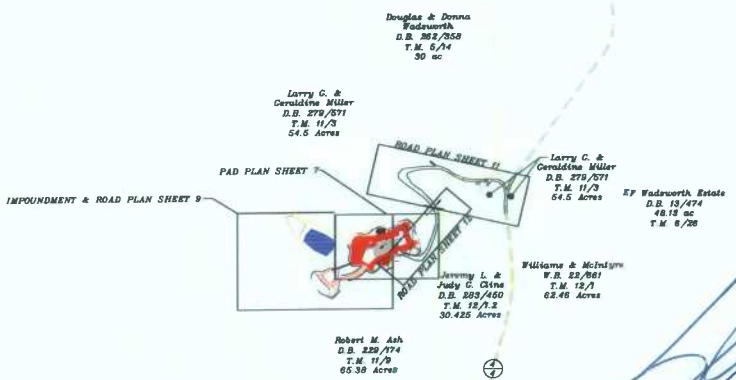
Prepared for JAY BEE OIL & GAS

Date: October 03, 2013

TOTAL DISTURBED AREA: 3.7 ACRES
ROAD DISTURBED AREA: 0.9 ACRES
PAD DISTURBED AREA: 2.8 ACRES

Revisions:
12/19/13 Changed name revised reclamation plan.

Sheet	Description
1	Cover
2	Notes
3	Details
4	Details
5	Details
6	Existing Contour Plan
7	Pad Plan
8	Pad Profile & Cross Sections
9	Impoundment Plan & Road
10	Reclamation Plan
11	Access Road Plan & Profile
12	Access Road Plan & Profile



CENTER PAD
Geographic NAD 83
Latitude: 39.414900
Longitude: 80.674819

Geographic NAD 27
Latitude: 39.414817
Longitude: 80.674997

UTM, NAD 83 (METERS)
North: 4362870.6
East: 527992.8

WELL ENTRANCE INT.
Geographic NAD 83
Latitude: 39.415900
Longitude: 80.671875

Geographic NAD 27
Latitude: 39.415817
Longitude: 80.672053

UTM, NAD 83 (METERS)
North: 4362982.5
East: 528245.9

12-16-2013

0 200' 400' 800'
Scale: 1"= 400'

WEST VIRGINIA 811
CALL BEFORE YOU DIG! Dial 811 or 800.245.4848
www.WV811.com

Design Certification
The drawings, construction notes and reference diagrams attached hereto have been prepared in accordance with the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas

The information reflects a gas well drilling pad.

Dennis L. Fisher RPE 8684: _____ Date: _____

Jay Bee Oil & Gas
DRILLING into the future

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

Cover
Sheet 1 of 12
Robert M. Ash
Well Pad Site Plan

General Construction Notes:

1. Best Management Practices shall be utilized for erosion and sediment control. The most effective method is concurrent seeding and mulching. Compost Filter Sock (preferable) or filter fence shall be installed in areas down slope of construction where adequate brush filter strips cannot be maintained. Rock check dams or sumps shall be installed at culvert inlets and riprap protection at culvert exits.

2. The contractor shall contact Ms. Utility prior to any disturbance.

3. The attached drawings show existing and proposed grades and dimensions on which the estimated quantities are based. These grades and dimensions may need to be adjusted during construction to meet field conditions. If any adjustment is needed beyond a reasonable conformance with the drawings, the contractor shall contact the engineer.

4. Clearing and grubbing shall be in conformance with Section 201 of the current WVDOH Specifications. All other earthwork shall be in conformance with Section 207 of the current WVDOH Specifications.
5. Stockpile topsoil and protect for use in regrading the disturbed areas prior to seeding and mulching.

6. If subgrade is unsuitable, the exposed surface shall be compacted until a relatively unyielding surface is achieved.

7. Surface water and subsurface water shall be prevented from flowing into the disturbed areas during construction.

8. Fill shall be placed in uniform twelve (12) inch lifts and compacted with appropriate equipment to a proctor density of 95%.

9. Any imported fill shall be approved by Engineer prior to placement.

10. Prevent surface water and subsurface water from flowing into excavations and flooding the work. Remove water from excavations to prevent softening of foundation soils and creating soil changes detriental to the stability of subgrades. Provide and maintain pumps, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from the site. Convey water removed from excavations to collections or to runoff areas. During periods of inclimate weather, temporary slope drains may be utilized as necessary.

11. In areas to receive fill and at the final cut subgrade, proof roll and compact the exposed ground surface following clearing and grubbing and any required excavation with a minimum of four passes of an approved compactor and obtain at least the density required for a suitable impoundment pit foundation and as indicated below.
Proof rolling shall be under the observation of the Engineer as described herein. Immediately following the completion of excavation to proposed subgrades in cut areas, proof rolling shall be performed as specified. Any areas which deflect, rut or pump under the loaded dump truck shall be undercut and replaced with compacted fill material or stone base course as directed by the Engineer. Proof rolling methods shall be as follows:

a. After the subgrade has been completed the subgrade shall then be proof rolled. The coverage areas and methods will be identified by the Engineer;

b. The equipment shall be operated at a speed that the Engineer can comfortably and slowly walk along side the equipment.;

c. If it becomes necessary to take corrective action, such as but not limited to underdrain installation, undercut and backfill of an unsuitable material, and aeration of excessive wet material in areas that have been proof rolled. These areas shall be proof rolled again following the completion of the necessary corrections.

12. Photographic documentation shall include DAILY photos of before, during and after conditions of all construction activities.

13. The engineer shall be contacted to make site inspections:
(a) after clearing and grubbing is complete
(b) to approve the general fill.
(c) half way through the cut and fill operations
(d) at the conclusion of the cut and fill operations

14. Erosion Control Blanket(s) shall be installed on all fill slopes which are in excess of 20' in length. Slope water breaks shall be installed on all fill slopes which are in excess of 40' in length. In some instances flex-terra product may be used in place of erosion control blankets at the description of the project engineer.

15. There was no geotechnical analysis performed for this site.

16. Existing & proposed culverts shall have adequate cover of (12" minimum). If the cover requirement can not be met, the culvert shall be protected with steel plates or timber mats.

CONSTRUCTION SEQUENCE

STAKE LIMITS OF DISTURBANCE
CALL MS UTILITY OF WV
INSTALL ENTRANCE SIGNS
INSTALL CONSTRUCTION ENTRANCE
INSTALL PRELIMINARY SEDIMENT CONTROL ON SITE
CLEAR AND GRUB SITE
REMOVE TOPSOIL AND STOCKPILE
GRADE ACCESS ROAD AND INSTALL DRAINAGE
INSTALL FINAL SEDIMENT CONTROL ON ACCESS ROAD
STONE ACCESS ROAD
PRELIMINARY GRADING OF SITE
INSTALL FINAL SEDIMENT CONTROL ON SITE
CONCURRENT SEEDING AND MULCHING OF DISTURBED AREAS AS COMPLETED
FINAL GRADING OF SITE AND PAD
INSTALL CONTAINMENT BERM
INSTALL STONE ON PAD
INSTALL SAFETY FENCE (IF REQUIRED)

TOPSOIL VOLUMES

PAD: +2,249 C.Y.

PROPOSED PAD
Top of Pad elevation: 1075.5'
Cut Slope: 50%, Slope Ratio: 2:1
Fill Slope: 50%, Slope Ratio: 2:1
AREA: 82,764 Sq. Ft., 1.9 Ac.

PAD EARTHWORK VOLUMES
Total Cut: 6,348.4 C.Y.
Total Fill: 6,330.32 C.Y.
Balance Export: 18.1 C.Y.
Containment Berm: 7,062 C.F., 261.6 C.Y.

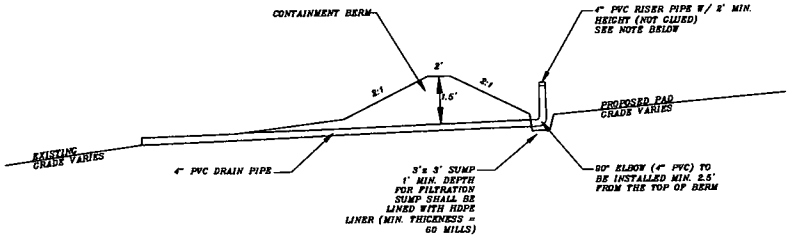
NOTE: Pad Cut Volume includes 1' of Topsoil Removed. Pad Fill Volume includes 1' of Stone.

TOTAL DISTURBED AREA: 3.7 ACRES
ROAD DISTURBED AREA: 0.9 ACRES
PAD DISTURBED AREA: 2.8 ACRES

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

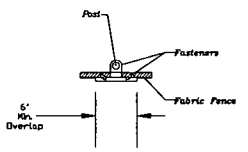
Details & Notes
Sheet 2 of 12
Robert M. Ash
Well Pad Site Plan



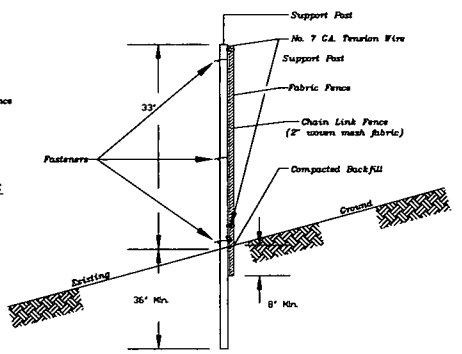
NOTE: THE SUMP RISER PIPE SHALL BE IN PLACE DURING DRILLING OPERATIONS TO INSURE A ZERO DISCHARGE. IF NO DRILLING ACTIVITY IS CONDUCTED, THE RISER MAY BE REMOVED.

BERM TYPICAL
(NTS)

Standard Construction Detail
Super Filter Fabric Fence



Joining Fence Sections



*Post spaced @ 10' max. Use 2.5"dia. galvanized or aluminum post.

**Chain Link to Post Fasteners spaced @ 14" max. Use No. 6 Ga. aluminum wire or No. 9 galvanized steel pre-formed clips. Chain Link to Tension Wire Fasteners spaced @ 60" max. Use No. 10 Ga. galvanized steel wire. Fabric to Chain Fasteners spaced @ 24" max. ℄ to ℄

No. 7 Ga. Tension Wire installed horizontally at top and bottom of chain link fence.

Filter Fabric Fence must be placed at existing level grade. Both ends of the barrier must be extended at least 8 feet upslope at 45 degrees to the main barrier alignment.

Sediment must be removed when accumulations reach ½ the above ground height of the fence.

PERMANENT SEED CHART

Species/Mixture	Seeding Rate (lbs/acre)	Soil Drainage Preference	pH Range
KY Bluegrass/	20		
Redtop/	3	Well – Mod. Well	5.5 - 7.5
Ladino Clover or Birdsfoot Trefoil	2 /10		
Timothy/	5		
Alfalfa	12	Well – Mod. Well	6.5 - 8.0
Timothy/	5		
Birdsfoot Trefoil	8	Well - Poorly	5.5 - 7.5 8
Orchardgrass/	10		
Ladino Clover/	2	Well - Mod. Well	5.5 - 7.5
Redtop	3		
Orchardgrass/	10		
Ladino Clover	2	Well - Mod. Well	5.5 - 7.5
Orchardgrass/	20		
Perennial Ryegrass	10	Well - Mod. Well	5.5 - 7.5
Creeping Red Fescue/	30		
Perennial Ryegra	10	Well - Mod. Well	5.8 - 7.8
Orchardgrass or Kentucky Bluegrass	20	Well - Mod. Well	6.0 - 7.5
Birdsfoot Trefoil/	10		
Redtop/	5	Well - Mod. Well	5.5 - 7.5
Orchardgrass	20		
Lathco Flat Pea/	30		
Perennial Ryegrass	20	Well - Mod. Well	5.8 - 7.8
Lathco Flat Pea/	30		
Orchardgrass	20	Well - Mod. Well	5.5 - 7.5

Table IV-5 Lime and Fertilizer Application Table

pH of Soil	Lime in Tons Per Acre	Fertilizer, Lbs., per Acre 10-20-20 or Equivalent
Above 6.0	2	500
5.0 to 6.0	3	500
Below 5.0	4	500

The pH can be determined with a portable pH testing kit or by sending the soil samples to a soil testing laboratory. When 4 tons or more per acre are applied it must be incorporated into the soil by disking, backblading or tracking up and down the slope.

Table IV-6 Mulch Materials Rates and Uses

Material	Minimum Rates Per Acre	Coverage	Remarks
Hay or Straw	2 to 3 Tons	Cover 75% to	Subject to Wind blowing
	100 to 150 Bales	90% of Surface	or washing unless tied down
Wood Fiber	1000 to 1500 lbs	Cover all	For Hydroseeding
Pulp Fiber		Disturbed Areas	
Wood-Cellulose			
Recirculated Paper			

Table IV-1 Recommended seeding dates for permanent and temporary cover unless otherwise specified.

Planting Dates	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.

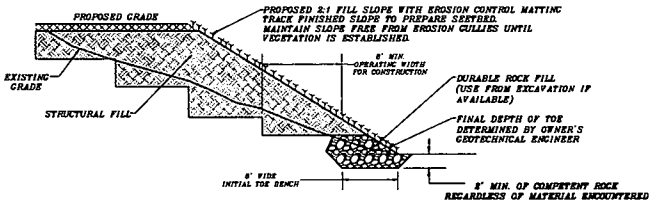
Table 2. Acceptable fertilization recommendation in absence of a soil test.

Species	N (lbs/ac)	P2O5 (lbs/ac)	K2O (lbs/ac)	Example Rec. (per acre)
Cool Season Grass	40	80	80	400 lbs. 10-20-20
CS Grass & Legume	30	60	60	300 lbs. 10-20-20
Temporary Cover	40	40	40	200 lbs. 19-19-19

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

Species	Seeding Rate (lbs/acre)	Optimum Seeding Dates	Drainage	pH Range
Annual Ryegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well - Poorly	5.5 - 7.5
Field Bromegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well – Mod. Well	6.0 - 7.0
Spring Oats	96	3/1 - 6/15	Well - Poorly	5.5 - 7.0
Sudangrass	40	5/15 - 8/15	Well - Poorly	5.5 - 7.5
Winter Rye	168	8/15 - 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	6/15 - 8/15	Well	4.5 - 7.0
Redtop	5	3/1 - 6/15	Well	4.0 - 7.5
Annual Ryegrass	26	3/1 - 8/15	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 planted April 15 – August 1 and October 1 – March 1.



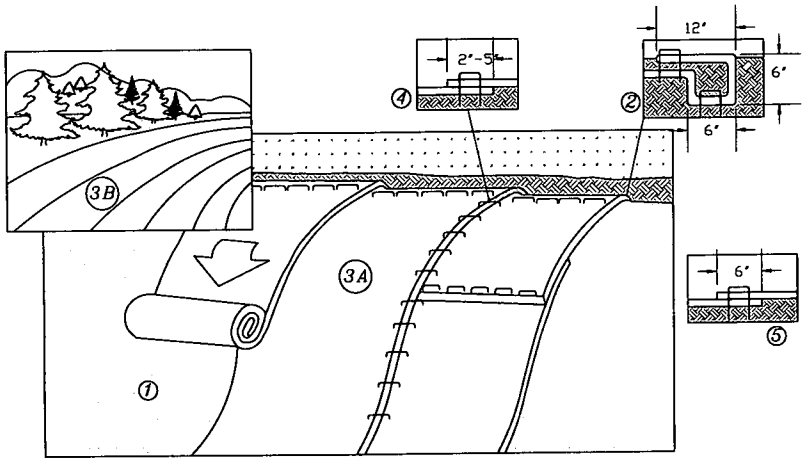
TOE-KEY – CONTROLLED FILL EMBANKMENT
(Not To Scale)

NOTES:
1) BENCHES SHALL BE EXCAVATED INTO EXISTING SLOPE AS SPECIFIED OR UNTIL BEDROCK IS EXPOSED.
2) ALL BENCHES SHALL BE SLOPED TO PROMOTE POSITIVE DRAINAGE DURING CONSTRUCTION (1% - 5% TYP.)
3) ALL FILLSLOPES SHALL BE GRADED TO WITHIN +/- 2 INCHES OF FINISHED GRADE WITH STRUCTURAL FILL. ALL FILL SLOPES SHALL BE COVERED WITH EROSION CONTROL MATTING, SEEDED AND MULCHED PER THE PERMANENT SEEDING REQUIREMENTS.
4) COMPACT ALL FILL SLOPES TO 95% PROCTOR DENSITY.

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

Details
Sheet 3 of 12
Robert M. Ash
Well Pad Site Plan

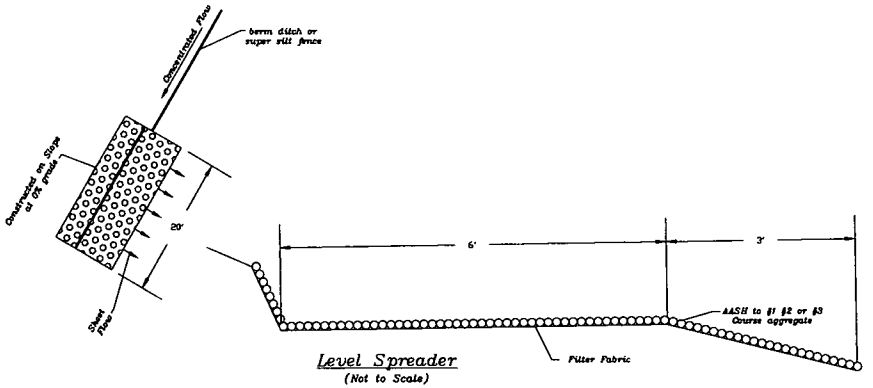


NOTES:

1. Prepare soil before installing rolled erosion control products (RECP's), including any neccessary application of lime, fertilizer, and seed.
   NOTE; When using Cell-O-Seed, DO NOT seed prepared area. Cell-O-Seed must be installed with paper side down.
2. Begin at the top of the slope by anchoring the RECP's in a 6" Deep X 6" Wide Trench with approximately 12" of RECP's extended beyond the Up-Slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" apart across the the width of the RECP's.
3. Roll the RECP's (A.) down or (B.) horizontally across the slope. RECP's will unroll with appropriate side against the soil suface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staples pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
4. The edge of parallel RECP's must be stapled with approximately 2"-5" overlap depending on RECP's type.
5. Consecutive RECP's spliced down the slope must be placed end over end (shingle style) with an approximate 6" overlap. Staple through overlapped area, approximately 12" apart across entire RECP's width.

NOTE:
* In loose soil conditions, the use of staple or stake lengths greater than 6" may be necessary to properly secure the ECP's.

Erosion Control Blanket-Slope Installation
Scale: NTS.



Level Spreader
(Not to Scale)

Construction Specifications

1. Level spreaders must be constructed on undisturbed soil (not fill material).
2. The entrance to the spreader must be shaped in such a manner as to insure that runoff enters directly onto the 0% channel.
3. Construct a 20-ft. transition section from the diversion channel to blend smoothly to the width and depth of of the spreader.
4. The level lip shall be constructed at 0% grade to insure uniform spreading stormwater runoff.
5. Protective covering (blanket) for vegetated lip should be a minimum of 4 feet wide extending 6 inches over the lip and buried 6 inches deep in a vertical trench on the lower edge. The upper edge should butt against smoothly cut sod and be securely held in place with closely spaced heavy-duty wire staples.
6. Rigid level lip should be entrenched at least 2 inches below existing ground and securely anchored to prevent displacement.
   An apron of AASHTO #1, #2 or #3 Coarse Aggregate should be placed to top of level lip and extended downslope at least 3 feet. Place filter fabric under stone and use galvanized wire meshed to hold stone securely in place.
7. The released runoff must outlet onto undisturbed stabilized areas with slope not exceeding 10%. Slope must be sufficiently smooth to preserve sheet flow and prevent flow from concentrating.
8. The level spreader should be sized to transfer 0.25 cfs per linear foot of spreader for the peak discharge from a ten-year/24-hour storm.
9. Immediately after its construction, appropriately seed and mulch the entire disturbed area of the spreader.

Maintenance

The structure shall be inspected after every rainfall of .5" or more and repairs made, if required. After construction and until fully revegetated, the spreaders need to be carefully inspected for any signs of channelization and immediately repaired.

Level spreader lip must remain at 0% slope to allow proper function of measure.

The contractor should avoid the placement of any material on and prevent construction traffic across the structure.

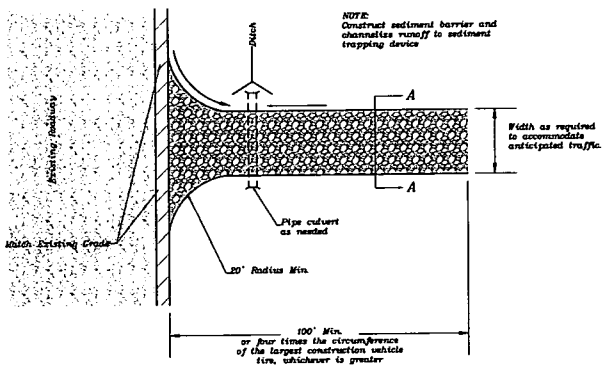
If the structure is damaged by construction traffic, it shall be repaired immediately.

Repeated failure of the structure will require the developer to replace the level lip spreader with a property designed stormwater conveyance channel from the diversion to the nearest natural waterway or stormwater basin.

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

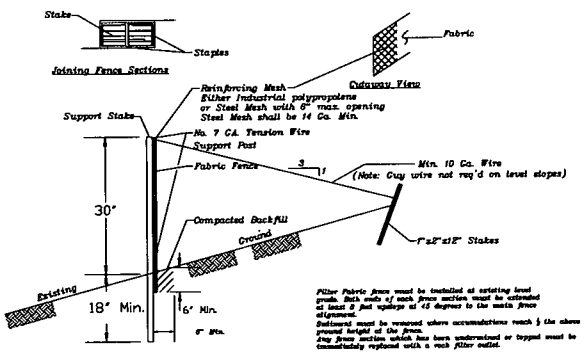
Jackson Surveying Inc.
677 W. Main St.
Clarksburg, WV 26301
304-623-3851

Details
Sheet 4 of 12
Robert M. Ash
Well Pad Site Plan

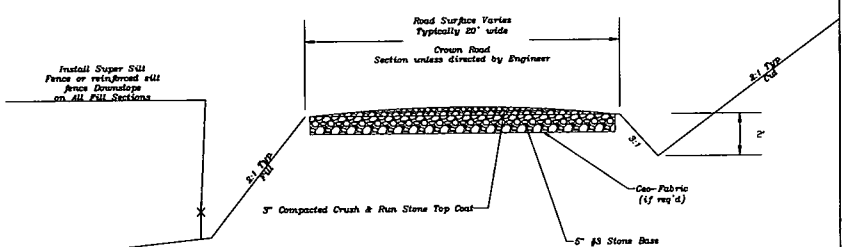


Plan
Scale: NTS.

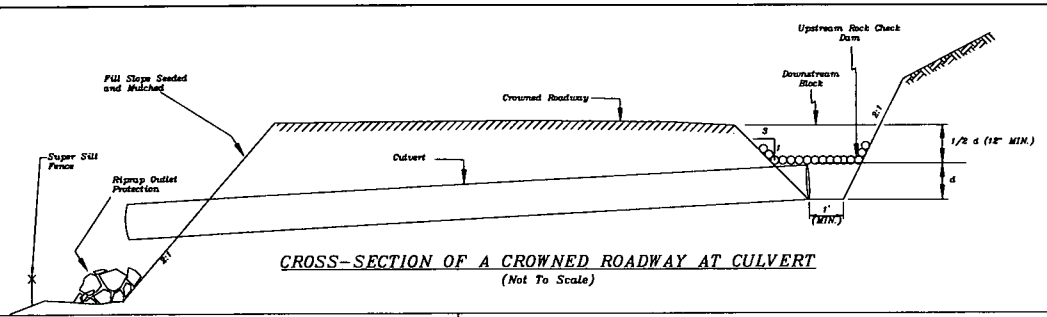
TYPICAL STABILIZED CONSTRUCTION ENTRANCE



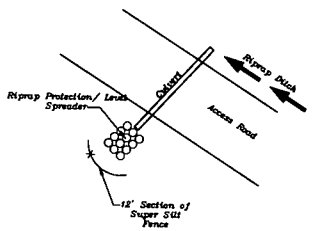
Reinforced Filter Fabric Fence (30" High)



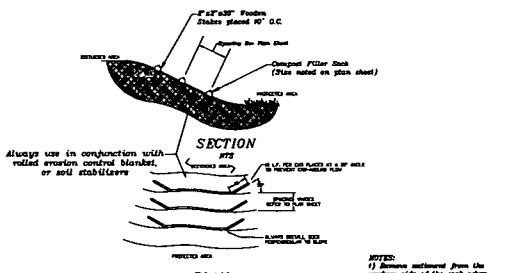
Typical Road Section A-A
(Not to Scale)



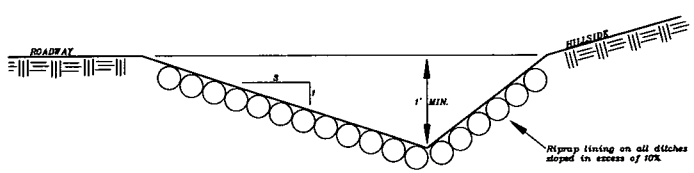
CROSS-SECTION OF A CROWNED ROADWAY AT CULVERT
(Not To Scale)



Typical Culvert Protection
NTS.



Slope Drainage Break Detail
(Not to Scale)

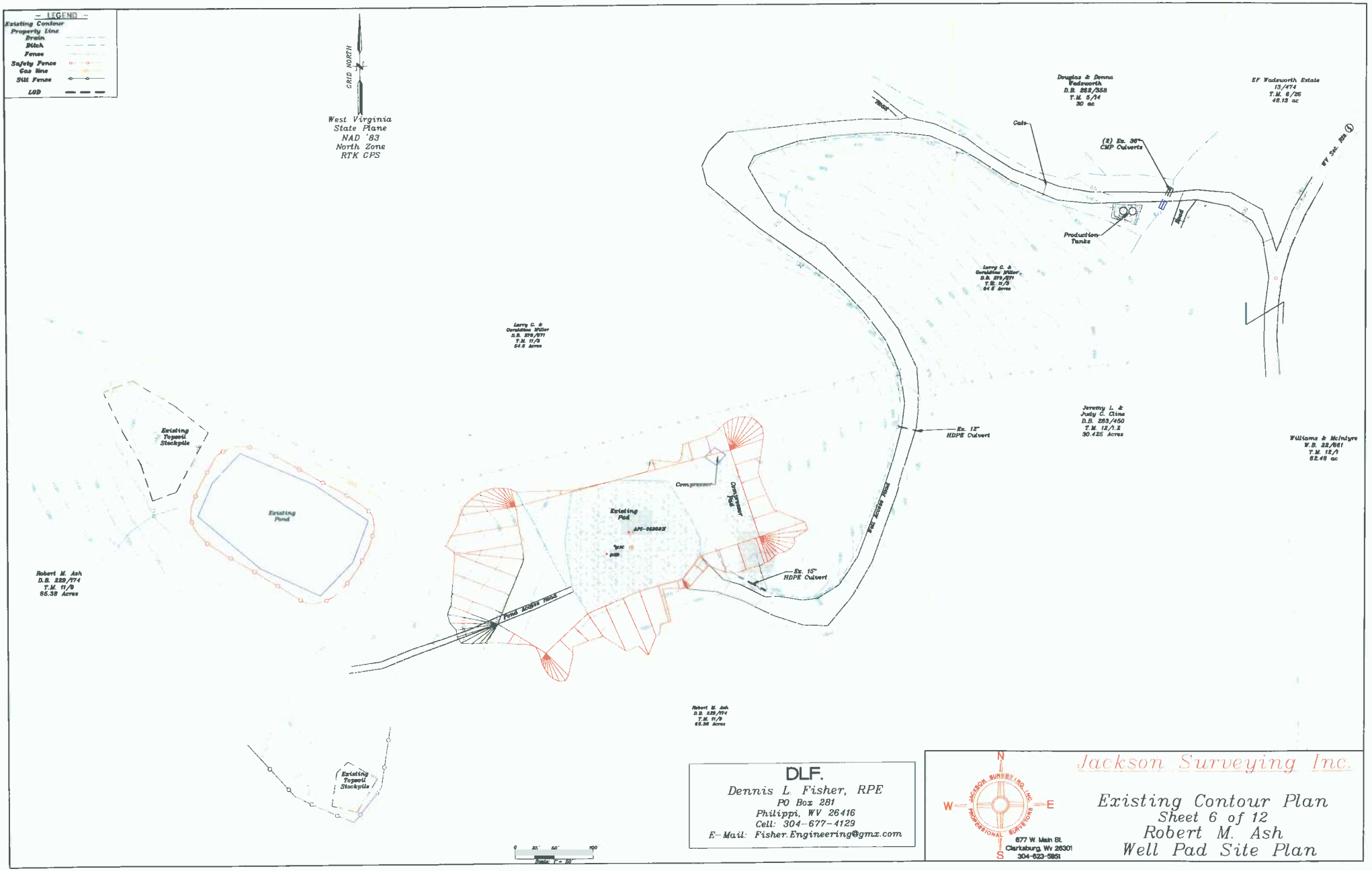


CROSS SECTION OF A TYPICAL SIDE DITCH & DIVERSION DITCH
(Not To Scale)

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, WV 26301
304-623-5851

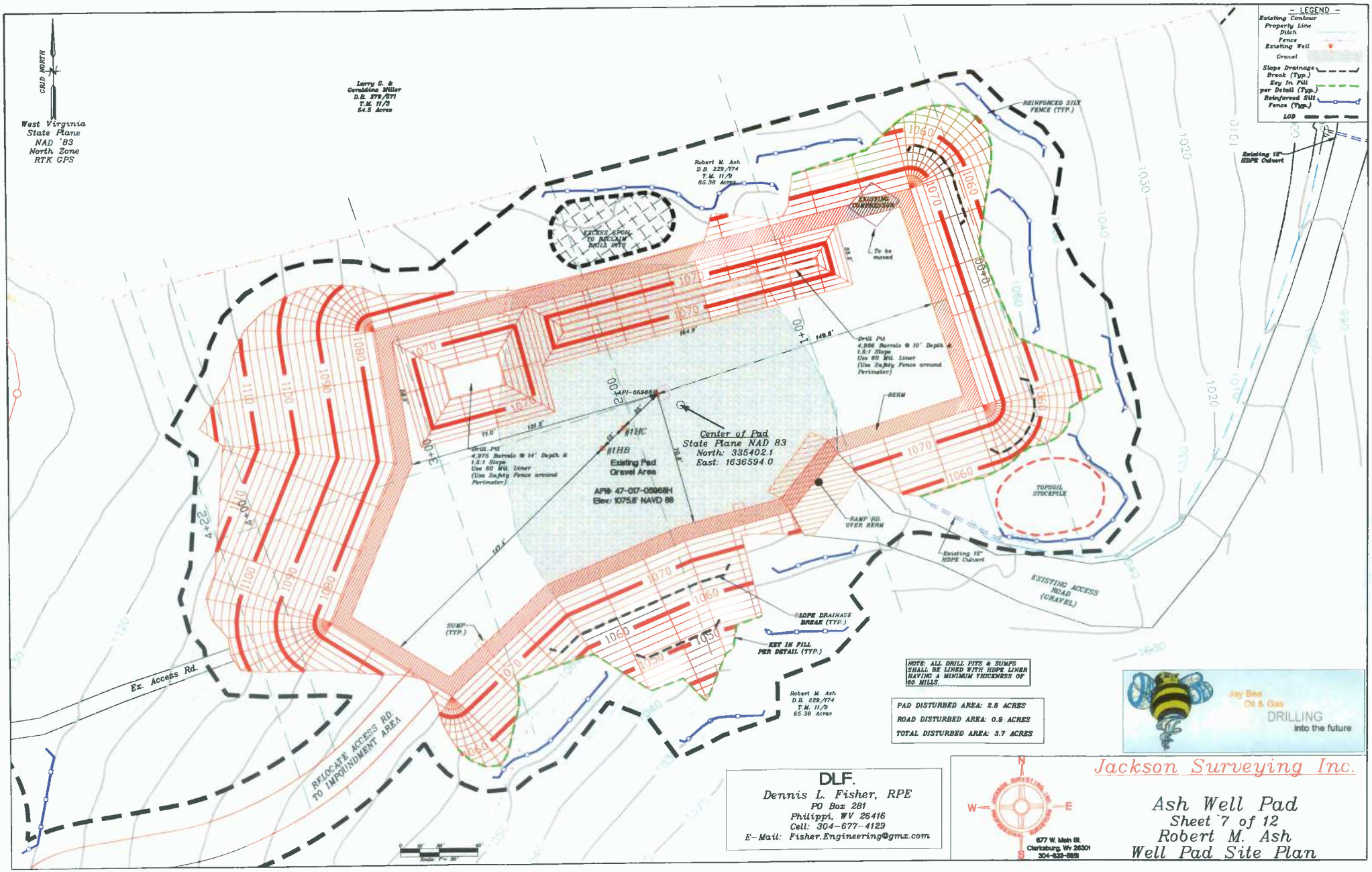
Details
Sheet 5 of 12
Robert M. Ash
Well Pad Site Plan

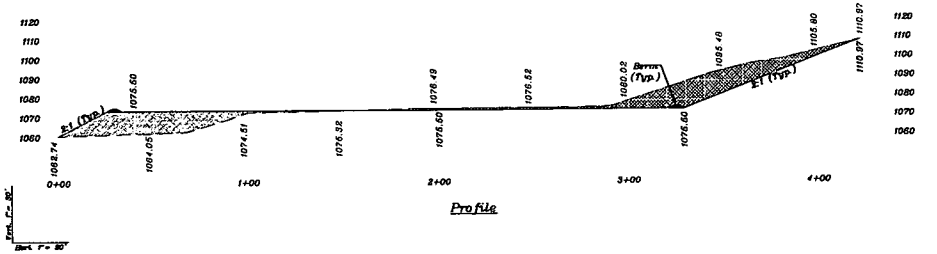


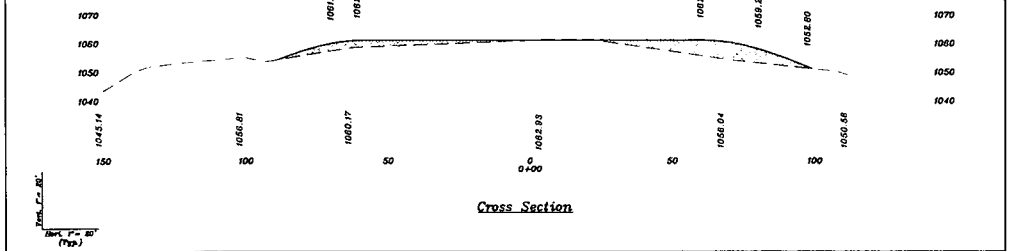
DLF.
Dennis L Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

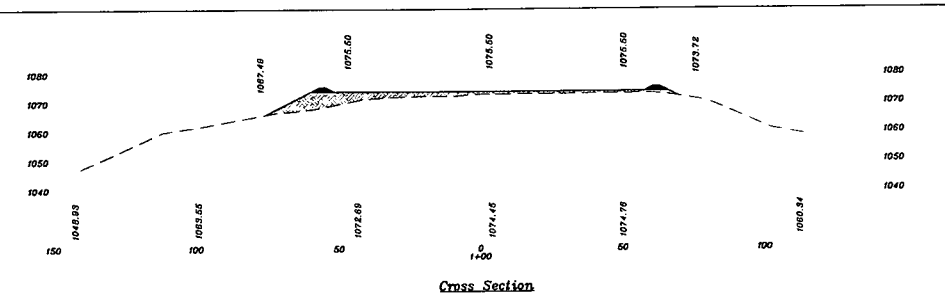
Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

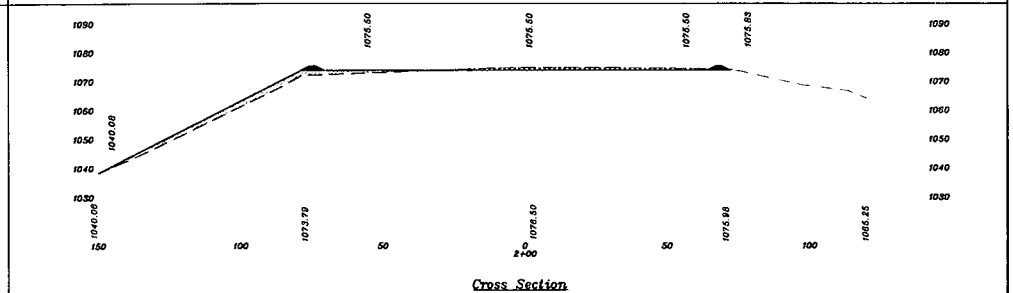
Existing Contour Plan
Sheet 6 of 12
Robert M. Ash
Well Pad Site Plan

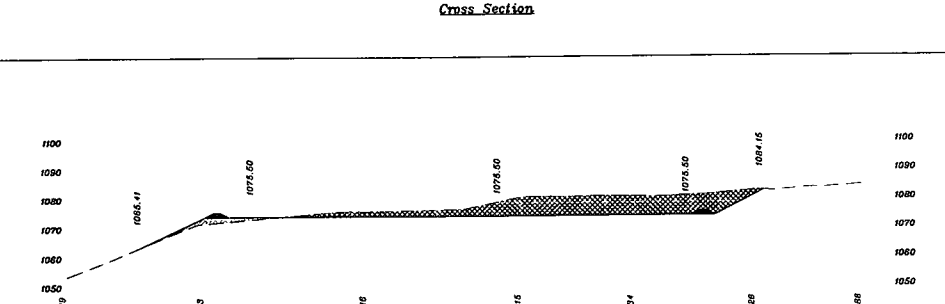

GRID NORTH
West Virginia
State Plane
NAD '83
North Zone
RTK GPS
Larry C. & Geraldine Miller
D.B. 279/571
T.M. 11/3
54.5 Acres
Robert M. Ash
D.B. 229/174
T.M. 11/9
65.38 Acres
EXCESS SPOIL TO RECLAIM DRILL PITS
EXISTING CONSTRUCTION
To be moved
REINFORCED SILT FENCE (TYP.)
Existing 12" HDPE Culvert
- LEGEND -
Existing Contour
Property Line
Ditch
Fence
Existing Well
Gravel
Slope Drainage Break (Typ.)
Key In Fill per Detail (Typ.)
Reinforced Silt Fence (Typ.)
LOD
Drill Pit
4,975 Barrels @ 14' Depth &
1.5:1 Slope
Use 60 Mil. Liner
(Use Safety Fence around Perimeter)
Drill Pit
4,986 Barrels @ 10' Depth &
1.5:1 Slope
Use 60 Mil. Liner
(Use Safety Fence around Perimeter)
API- 05968H
#1HC
#1HB
Existing Pad
Gravel Area
APN: 47-017-05968H
Elev: 1075.6' NAVD 88
Center of Pad
State Plane NAD 83
North: 335402.1
East: 1636594.0
BERM
TOPSOIL STOCKPILE
RAMP RD. OVER BERM
Existing 15" HDPE Culvert
EXISTING ACCESS ROAD (GRAVEL)
SLOPE DRAINAGE BREAK (TYP.)
KEY IN FILL PER DETAIL (TYP.)
SUMP (TYP.)
Ex. Access Rd.
RELOCATE ACCESS RD. TO IMPOUNDMENT AREA
Robert M. Ash
D.B. 229/174
T.M. 11/9
65.38 Acres
NOTE: ALL DRILL PITS & SUMPS SHALL BE LINED WITH HDPE LINER HAVING A MINIMUM THICKNESS OF 60 MILLS.
PAD DISTURBED AREA: 2.8 ACRES
ROAD DISTURBED AREA: 0.9 ACRES
TOTAL DISTURBED AREA: 3.7 ACRES
Jay Bee Oil & Gas
DRILLING into the future
DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com
Jackson Surveying Inc.
677 W. Main St.
Clarksburg, WV 26301
304-629-6851
Ash Well Pad
Sheet 7 of 12
Robert M. Ash
Well Pad Site Plan

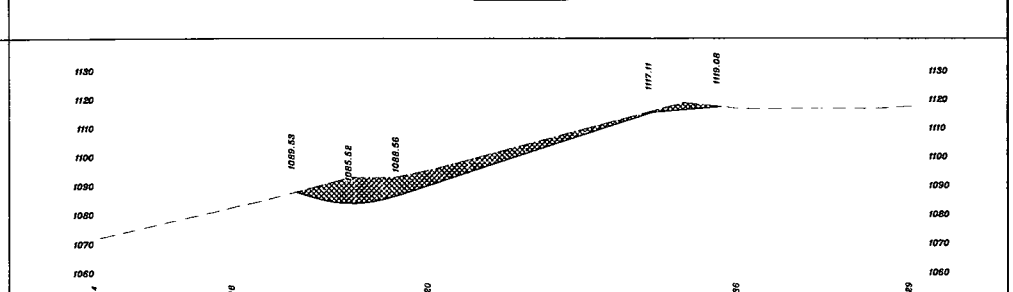


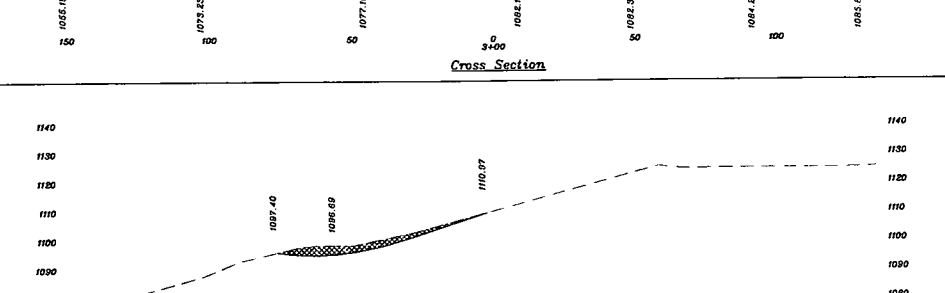












- LEGEND -

Proposed Cut

Proposed Fill

Existing Grade

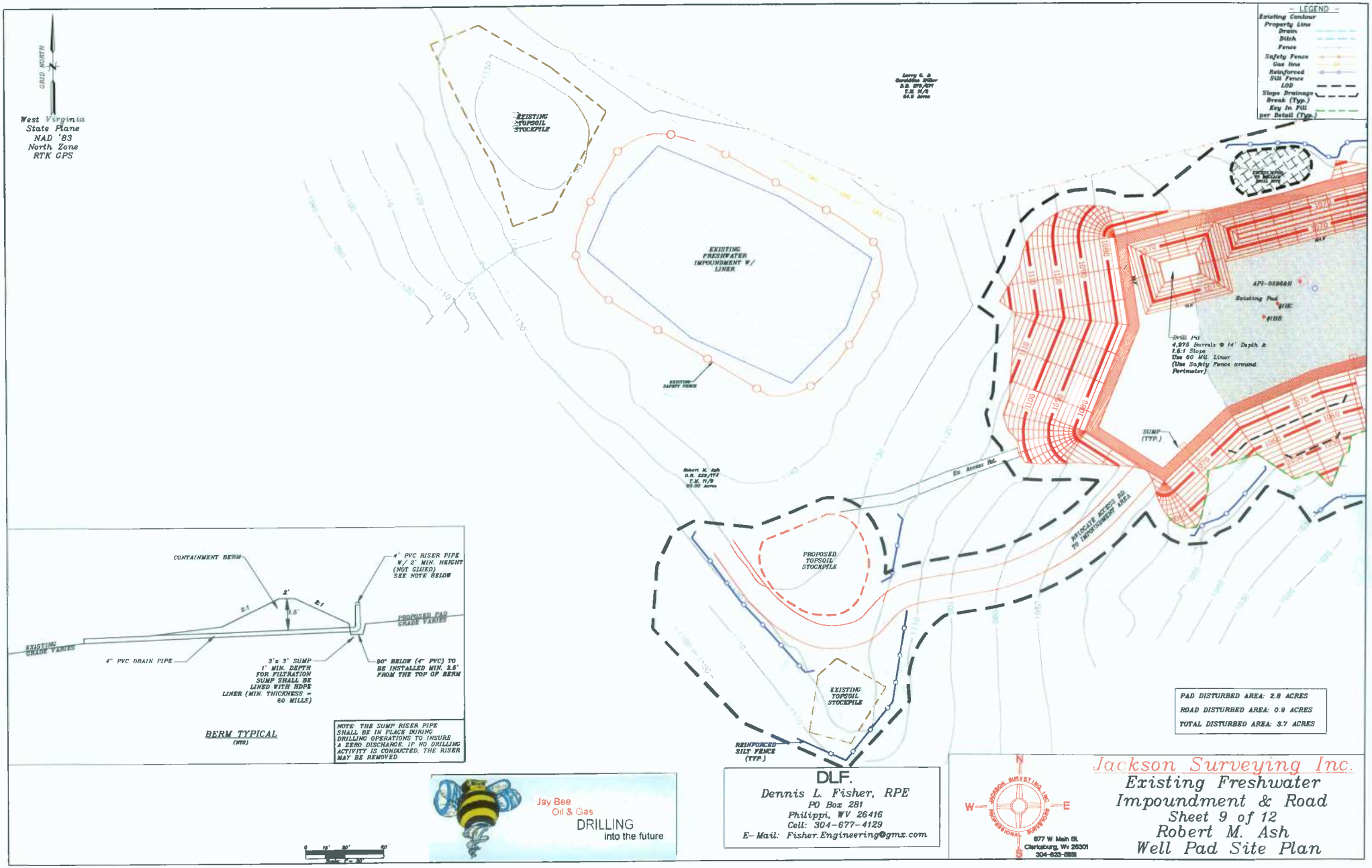
Proposed Grade

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jay Bee
Oil & Gas
DRILLING
Into the future

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, WV 26301
304-623-5851

Pad Profile & Cross Sections
Sheet 8 of 12
Robert M. Ash
Well Pad Site Plan


GRID NORTH
West Virginia
State Plane
NAD '83
North Zone
RTK GPS
- LEGEND -
Existing Contour
Property Line
Drain
Ditch
Fence
Safety Fence
Gas line
Reinforced Silt Fence
LOD
Slope Drainings
Break (Typ.)
Key In Fill per Detail (Typ.)
EXISTING TOPSOIL STOCKPILE
EXISTING FRESHWATER IMPOUNDMENT W/ LINER
EXISTING SAFETY FENCE
Larry C. & Geraldine Miller
D.B. 328/671
T.M. 11/9
64.5 Acres
Robert M. Ash
D.B. 329/171
T.M. 11/9
63.50 Acres
Ex. Access Rd.
PROPOSED ACCESS RD TO IMPOUNDMENT AREA
PROPOSED TOPSOIL STOCKPILE
EXISTING TOPSOIL STOCKPILE
REINFORCED SILT FENCE (TYP.)
API-05960H
Existing Pad
#1HC
#1HB
Drill Pit
4,875 Barrels @ 14' Depth &
1.5:1 Slope
Use 60 Mil. Liner
(Use Safety Fence around Perimeter)
SUMP (TYP.)
CONTAINMENT BERM
4" PVC RISER PIPE W/ 2' MIN. HEIGHT (NOT GLUED) SEE NOTE BELOW
2'
1.5'
2:1
2:1
PROPOSED PAD GRADE VARIES
EXISTING GRADE VARIES
4" PVC DRAIN PIPE
3'x 3' SUMP 1' MIN. DEPTH FOR FILTRATION SUMP SHALL BE LINED WITH HDPE LINER (MIN. THICKNESS = 60 MILS)
90° BELOW (4" PVC) TO BE INSTALLED MIN. 2.5' FROM THE TOP OF BERM
BERM TYPICAL
(NTS)
NOTE: THE SUMP RISER PIPE SHALL BE IN PLACE DURING DRILLING OPERATIONS TO INSURE A ZERO DISCHARGE. IF NO DRILLING ACTIVITY IS CONDUCTED, THE RISER MAY BE REMOVED
PAD DISTURBED AREA: 2.8 ACRES
ROAD DISTURBED AREA: 0.9 ACRES
TOTAL DISTURBED AREA: 3.7 ACRES
0 15' 30' 60'
Jay Bee
Oil & Gas
DRILLING
into the future
DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com
N
W
E
S
JACKSON SURVEYING, INC.
PROFESSIONAL SURVEYORS
677 W Main St.
Clarksburg, Wv 26301
304-623-5831
Jackson Surveying Inc.
Existing Freshwater Impoundment & Road
Sheet 9 of 12
Robert M. Ash
Well Pad Site Plan

GRID NORTH

West Virginia State Plane NAD '83 North Zone RTK CPS

WELL SITE RECLAMATION (GENERAL)

1. Drilling Pit Reclamation

a. All fluid must be removed from the pit prior to backfilling and disposed of in an approved manner or recycled.

b. Drill cuttings, drilling mud and liner, for wells permitted under WV Code 22-6A and 35CSR-8, must be removed from site and disposed of at an approved solid waste facility.

c All pits and impoundments that are not required or allowed by state or federal law or rule or agreement between the operator and the surface owner must be backfilled. Use a maximum of two foot thick lifts with 90% compaction to the standard proctor density (ASTM D-698).

2. The operator shall grade or terrace and plant, seed or sod the area disturbed that is not required in production of the well in accordance with the erosion and sediment control control plan.

3. Install all permanent water drainage and diversion ditches. In areas of long slopes, it may be desirable to install angled diversion ditches to aid in controlling water runoff and erosion.

4. Stockpiled topsoil should be re-spread over disturbed area. Topsoil should not be added to slopes steeper than 2:1 unless good bonding to the subsoil can be achieved.

5. Prior to seeding, soil should be loosened by disking, bulldozer tracking, etc. Note that bulldozer tracking can compact wet clay soils and restrict establishment of vegetation.

6. Maintaining sediment barriers is critical until vegetation is re-established. Temporary sediment control devices such as silt fencing shall be removed along with sediment after at least a 70% vegetative cover is established.

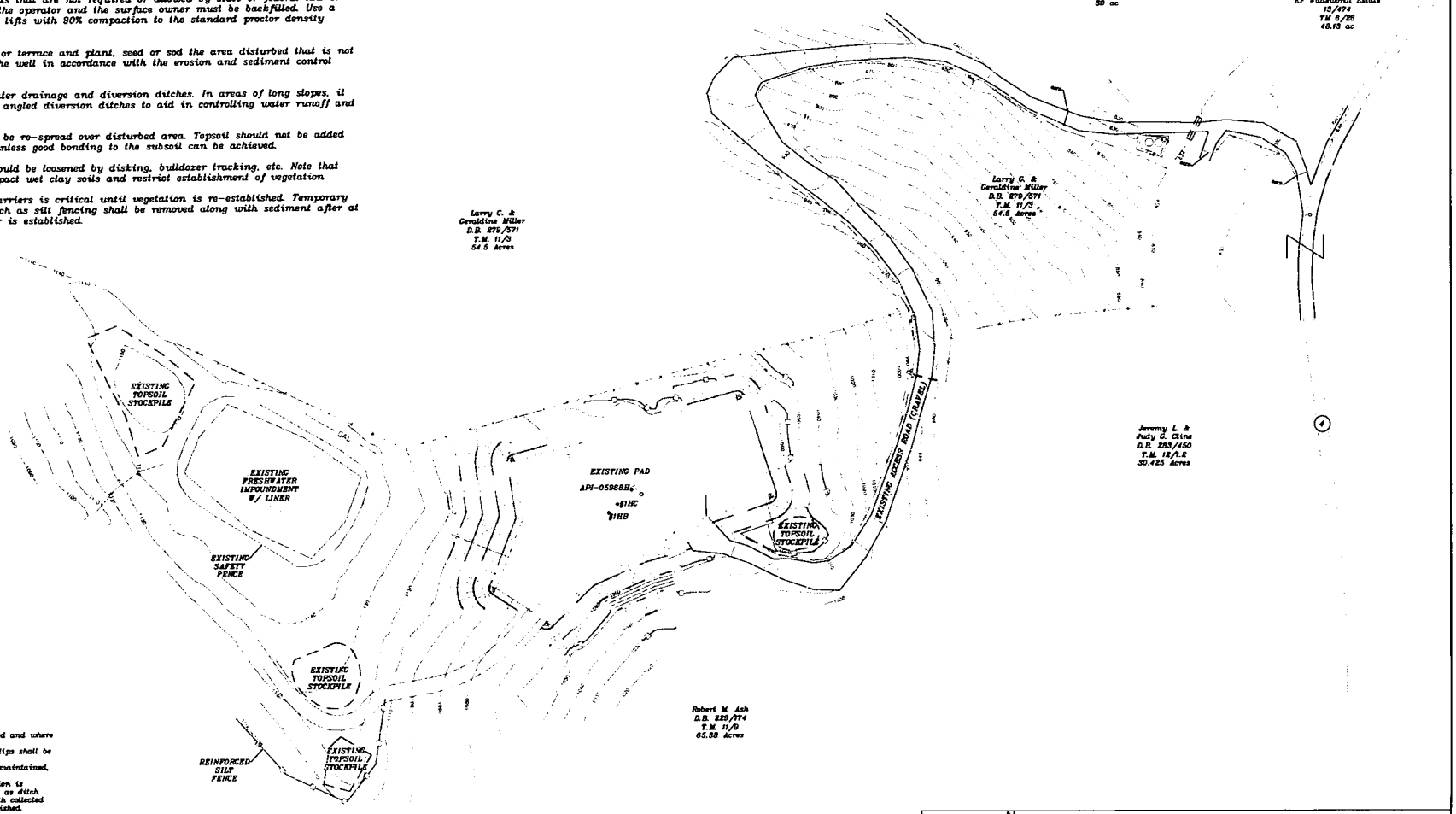
WELL SITE RECLAMATION (SPECIFIC)

1. For this pad the reclamation will consist of the berm removal, spreading the stockpiled topsoil over the 2:1 slope areas & reseeding. The pad area will remain gravel.

2. Use reinforced silt fence downslope of areas of topsoil placement as required.

- LEGEND -

Existing Contour
Property Line
Drain
Ditch
Fence



ACCESS ROAD RECLAMATION

1. Road surfaces shall be stabilized and/or reseeded.
2. Permanent side ditches will be installed where needed and where the site will allow.
3. Permanent culverts, cross drains and broad-based dips shall be installed.
4. Side slopes of excavated cuts and outslopes shall be maintained, where the site allows.
5. Sediment barriers shall be maintained until vegetation is re-established. Temporary sediment control devices such as ditch line checks and silt fencing shall be removed along with collected sediment after at least a 70% vegetation cover is established.

GENERAL NOTES REGARDING RECLAMATION

1. Pipelines: any disturbed areas created by pipeline installation shall be reclaimed in accordance with state requirements.

2. Tank batteries, power lines: any disturbed area created by the installation of tank batteries or power lines, even if out of the immediate construction site shall be reclaimed in accordance with state requirements, as these operations are used in connection with the "permitted" operation.

3. Well maintenance: disturbed areas created due to well maintenance, shall be reclaimed, mulched and seeded to reduce erosion and sedimentation.

4. API Numbers: API identification numbers shall be displayed at the well in accordance with state requirements.

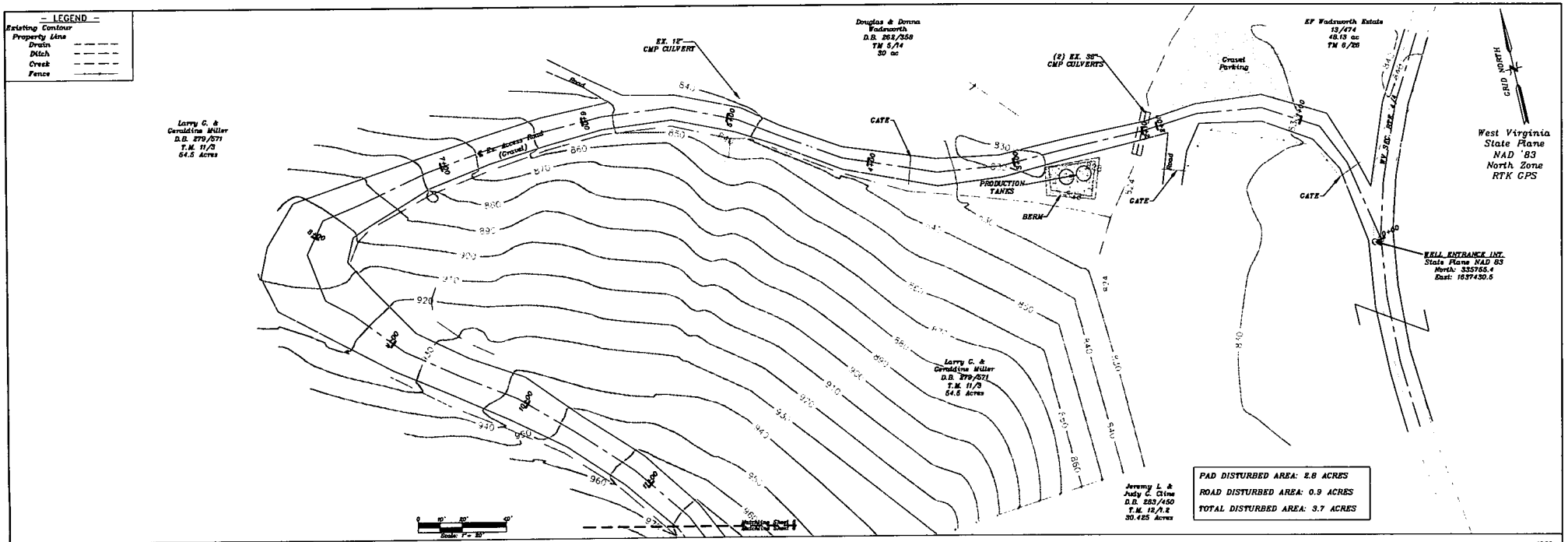
0 30' 60' 120'
Scale: 1"= 60'

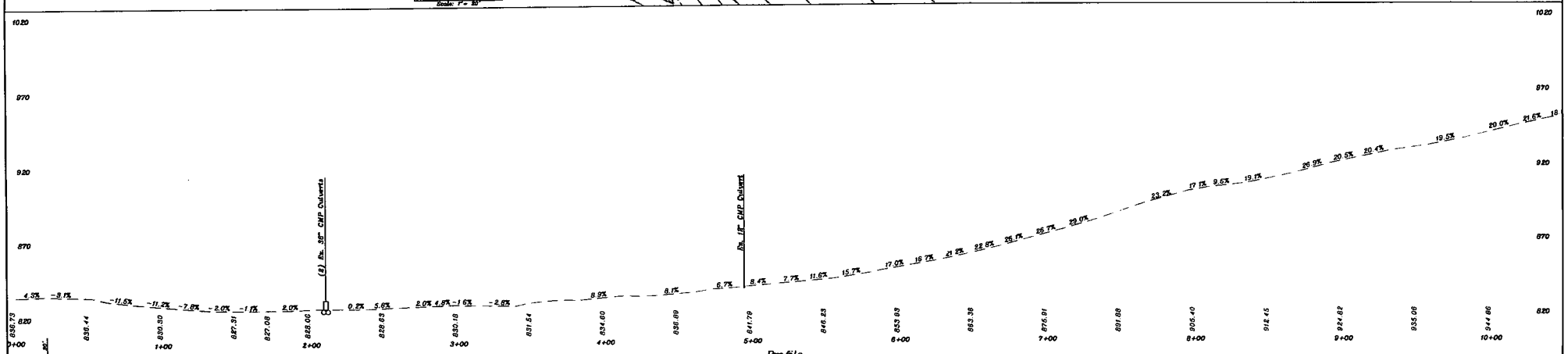
Jay Bee Oil & Gas
DRILLING into the future

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

Reclamation Plan
Sheet 10 of 12
Robert M. Ash
Well Pad Site Plan



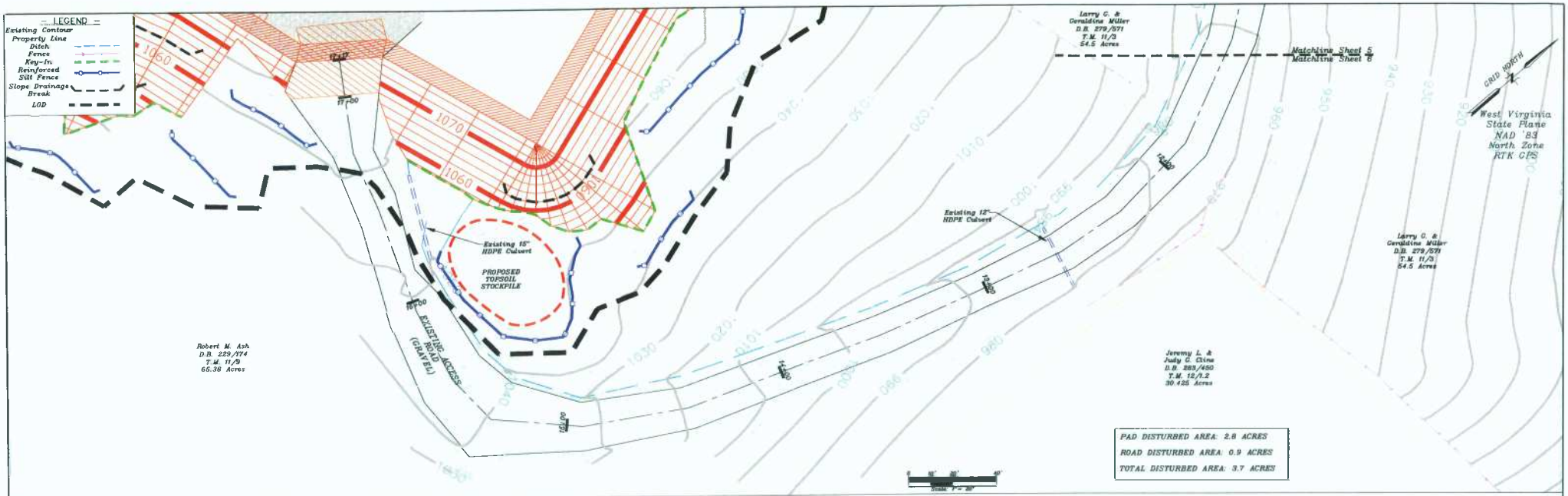


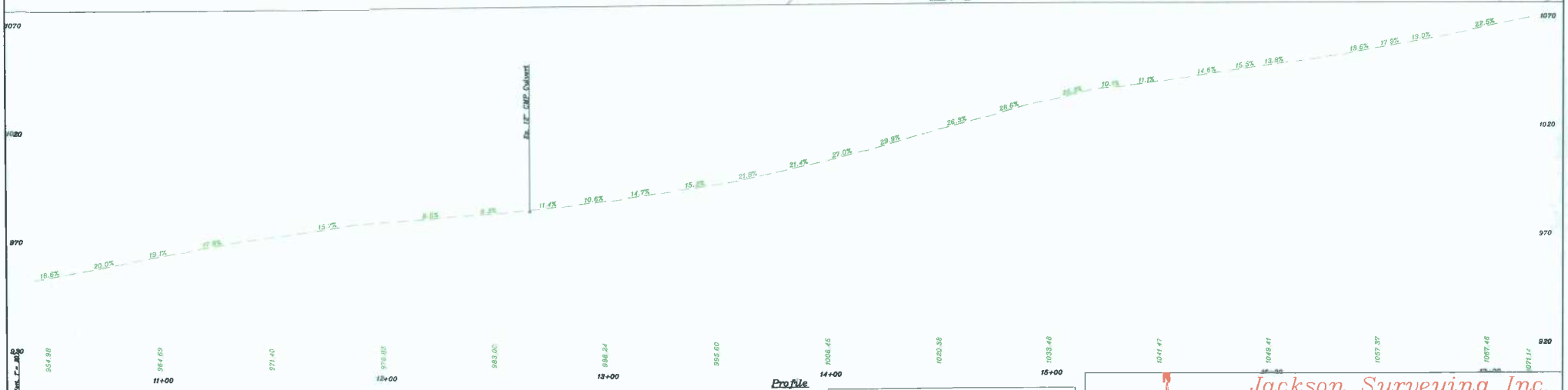
Jay Bee Oil & Gas
DRILLING into the future

DLF.
Dennis L. Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-5851

Access Road Plan & Profile
Sheet 11 of 12
Robert M. Ash
Well Pad Site Plan

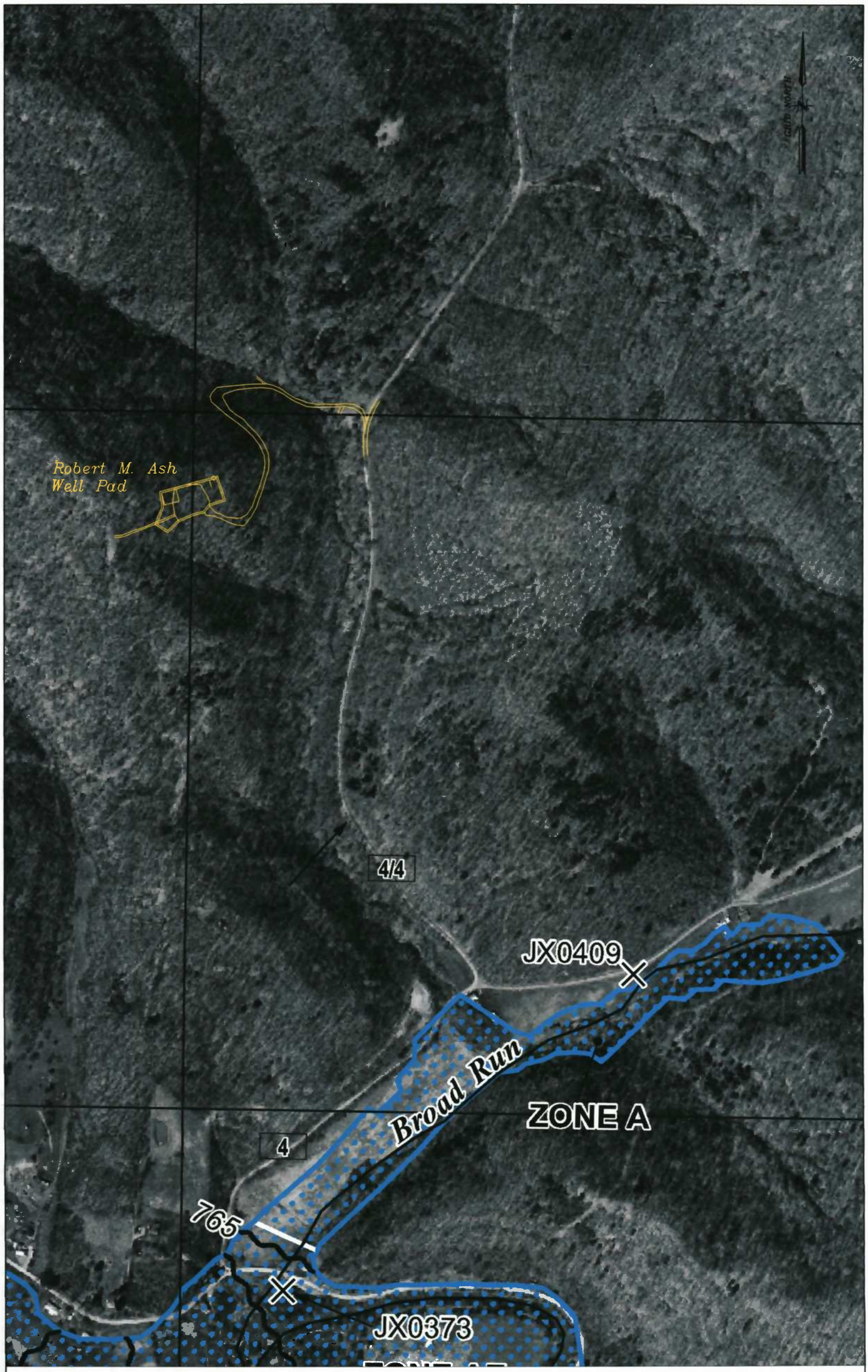




DLF.
Dennis L Fisher, RPE
PO Box 281
Philippi, WV 26416
Cell: 304-677-4129
E-Mail: Fisher.Engineering@gmx.com

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
304-623-6661

Access Road Plan & Profile
Sheet 12 of 12
Robert M. Ash
Well Pad Site Plan



Well: Robert M. Ash Well Pad
Quad: Center Point 7 1/2'
District: McClellan
County: Doddridge

FIRM PANEL 540024 0045C

0 250' 500' 1,000'
Scale: 1"=500'