



west virginia department of environmental protection

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

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

July 25, 2013

WELL WORK PERMIT

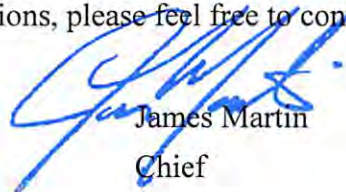
Horizontal 6A Well

This permit, API Well Number: 47-1706185, issued to JAY-BEE OIL & GAS, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: COFFMAN 1HC
Farm Name: COFFMAN, CHRISTOPHER L.
API Well Number: 47-1706185
Permit Type: Horizontal 6A Well
Date Issued: 07/25/2013

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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 § 22-6A-5a (12), 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. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% (unless soil test results show a greater range of moisture content is appropriate and 95% compaction can still be achieved) of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
3. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
4. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
5. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
6. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
7. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
W.V.A. CODE §22-6A - WELL WORK PERMIT APPLICATION

1) Well Operator: Jay-Bee Oil & Gas, Inc 24610 Doddridge McClellan Center Point 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Coffman 1HC Well Pad Name: Coffman Pad

3 Elevation, current ground: 753' Elevation, proposed post-construction: 753'

4) Well Type: (a) Gas Oil
Other _____
(b) If Gas: Shallow Deep
Horizontal

5) Existing Pad? Yes or No: Yes

6) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):
Marcellus Shale, 8,000' Vertical, 16,000' Total. SDW
12/20/2012

7) Proposed Total Vertical Depth: 8,000'

8) Formation at Total Vertical Depth: Marcellus Shale

9) Proposed Total Measured Depth: 16,000'

10) Approximate Fresh Water Strata Depths: 25'

11) Method to Determine Fresh Water Depth: 17-2294

12) Approximate Saltwater Depths: 1588'

13) Approximate Coal Seam Depths: 160-163, 635-639

14) Approximate Depth to Possible Void (coal mine, karst, other): None

15) Does land contain coal seams tributary or adjacent to, active mine? No

16) Describe proposed well work: Drill and Stimulate New Horizontal Well

17) Describe fracturing/stimulating methods in detail:
300-350' per stage 8,500bbls of water, 150,000-400,000lbs of sand, friction reducer, 1# per gallon, scale inhibitor and bacteria prevention 1/4# per gallon 2000 gallons 15% vol acid.

18) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres): 2.01 +/-

19) Area to be disturbed for well pad only, less access road (acres): 2.00

RECEIVED
Office of Oil & Gas
DEC 28 2012
WV Department of
Environmental Protection

17-06185

WW - 6B
(1/12)

20)

CASING AND TUBING PROGRAM

TYPE	<u>Size</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft.</u>	<u>FOOTAGE: For Drilling</u>	<u>INTERVALS: Left in Well</u>	<u>CEMENT: Fill -up (Cu. Ft.)</u>
Conductor	16	New	J55	40	30	30	-
Fresh Water	11 3/4	New	J55	32	300	300	CTS +25%
Coal							
Intermediate	8 5/8	New	J55	24	2000	2000	CTS +15%
Production	5 1/2	New	P110	17	16000	16000	Cement up to 1000' from surface
Tubing							
Liners							

TYPE	<u>Size</u>	<u>Wellbore Diameter</u>	<u>Wall Thickness</u>	<u>Burst Pressure</u>	<u>Cement Type</u>	<u>Cement Yield</u>
Conductor	16	17 1/2	.495	3000#	Class A Cement	1.19CF per Sack
Fresh Water	11 3/4	15	.333	1500#	Class A Cement	1.19CF per Sack
Coal						
Intermediate	8 5/8	11	.264	2500#	Class A Cement	1.19CF per Sack
Production	5 1/2	7 7/8	.304	15000#	Class A Cement	1.19CF per Sack
Tubing						
Liners						

PACKERS

Kind:			
Sizes:			
Depths Set:			

RECEIVED
Office of Oil & Gas
DEC 26 2012
WV Department of
Environmental Protection

WW - 6B
(1/12)

21) Describe centralizer placement for each casing string.

Vertical - Every 500' Bow Centralizer, and 50' from top of ground. Horizontal every 42' Spiral Centralizer, Curve - Every 84' Spiral Centralizer.

22) Describe all cement additives associated with each cement type.

Superior Well Services - 15" hole for the 11 3/4 fresh water case, Class A Cement, 2% Calcium Chloride, 1/4# flake.

Superior Well Services - 11" hole for the 8 5/8 intermediate base, Class A Cement, 2% Calcium Chloride, 1/4# Super Flake, No Foam, Bentonite Super Flake

Baker Hughes - 7 7/8" hole for the 5 1/2 production case, Type 1 Cement, Fly Ash, Barite, Finetol 300L, R-3 Celio Flake, Sugar, CD-32, FL-62

23) Proposed borehole conditioning procedures.

Air Hole

15" hole for the 11 3/4 fresh water case - Circulate until clean with air. If soaping, slug then dry.

11" hole for the 8 5/8 intermediate base - Circulate until clean with air. If soaping, slug then dry.

7 7/8" hole for the 5 1/2 production case - Circulate with mud and sweeps for two times bottoms up.

If needed weight up mud until no cuttings retrieved, then circulate with mud and sweeps for two times bottoms up.

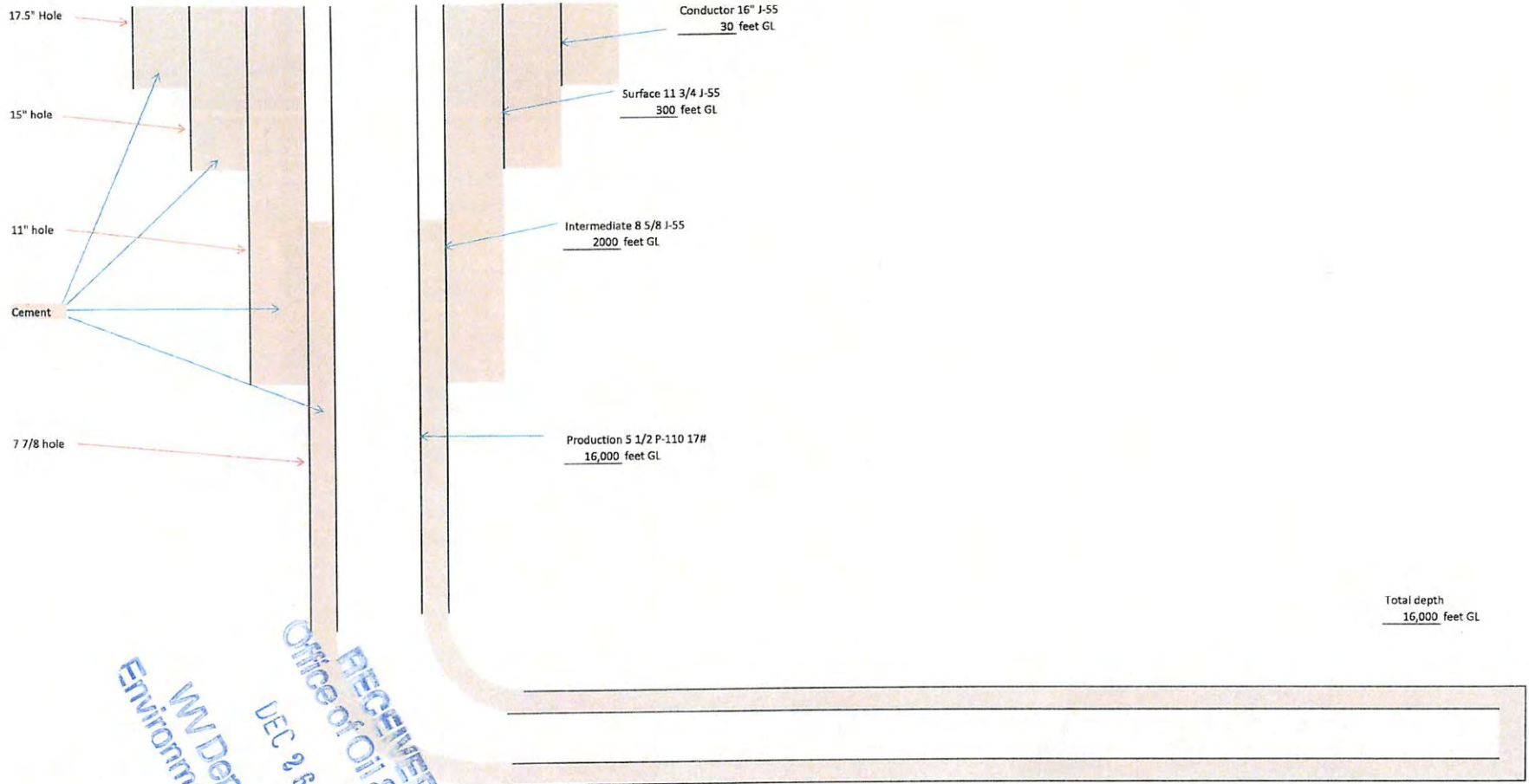
*Note: Attach additional sheets as needed.

RECEIVED
Office of Oil & Gas
DEC 23 2012
WV Department of
Environmental Protection

Jay-Bee Oil & Gas Inc.
Well Name Coffman 1HC
GL Elevation 753'
KB 14 feet

Date 12/19/2012
District McClellan
County Doddridge
State West Virginia

Input by: Shane Dowell



RECEIVED
Office of Oil & Gas
DEC 28 2012
WV Department of
Environmental Protection

17-06185

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Jay-Bee Oil & Gas, Inc OP Code 24610

Watershed McElroy Creek Quadrangle Center Point 7.5'

Elevation 753' County Doddridge District McClellan

Description of anticipated Pit Waste: Drill Water and Various Formation Cuttings

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

Will a synthetic liner be used in the pit? Yes . If so, what mil.? 60Mil

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2d0857652, drilling fluid)
- Reuse (at API Number other wells on same location)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Using Contract Haulers Magnum Hunter (API's 34-121-23995, 34-121-24086) hauling to their disposal wells)

*SDW
12/20/2012*

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Brine Base Drilling Mud

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

Additives to be used? Bentonite, Salt, Soda Ash, and others as needed

Will closed loop system be used? Possible Centrifuge

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

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

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature *Shane Dowell*

Company Official (Typed Name) Shane Dowell

Company Official Title Office Manager

RECEIVED
Office of Oil & Gas

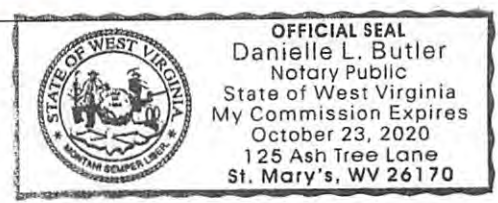
Subscribed and sworn before me this 20 day of December, 2012

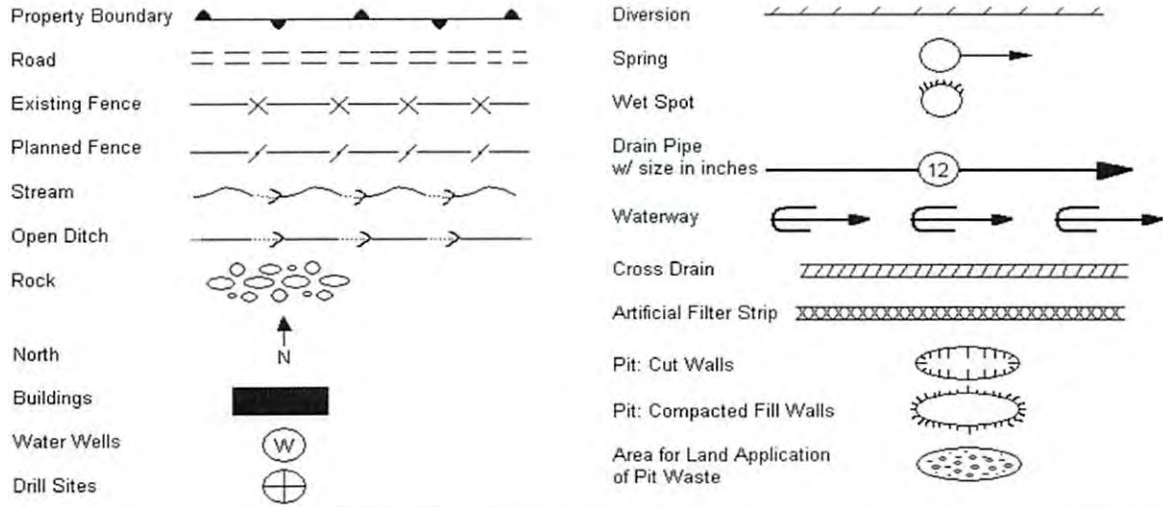
DEC 26 2012

Danielle L. Butler

WV Department of
Environmental Protection
Notary Public

My commission expires October 23, 2020





Proposed Revegetation Treatment: Acres Disturbed 2.01 +/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 ton lbs/acre (500 lbs minimum)

Mulch Hay 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40	Orchard Grass		15
Alsike Clover		5	Alsike Clover		5
Annual Rye		15			

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: S. D. Ward II

Comments: Upgrade EdS as necessary. If closed loop is not used on new wells, inspector must be present during cuttings removal or photos replicate evidence that pit liner has not been compromised must be provided

Title: Oil & Gas Inspector Date: 12/20/2012

Field Reviewed? Yes No

RECEIVED
Office of Oil & Gas
WV Department of
Environmental Protection

app recd 12/26



Water Management Plan: Secondary Water Sources



WMP-00952

API/ID Number 047-017-06185

Operator:

Jay-Bee Oil & Gas, Inc.

Coffman 1HC

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Multi-site impoundment

Source ID: 10824	Source Name	McIntyre Centralized Freshwater Impoundment	Source start date:	2/1/2013
			Source end date:	2/1/2014
	Max. Daily Purchase (gal)		Total Volume from Source (gal):	5,000,000

DEP Comments:

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-573

APPROVED FEB 19 2013

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Recycled Frac Water

Source ID: 10825	Source Name	McIntyre; Ash; Schulberg; Horner; T1213	Source start date:	2/1/2013
			Source end date:	2/1/2014
	Max. Daily Purchase (gal)		Total Volume from Source (gal):	210,000

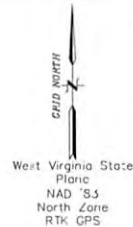
DEP Comments:

APPROVED 2/19/13

COFFMAN SITE PLAN SEDIMENT & EROSION CONTROL

McClellan District, Doddridge County, WV
Prepared for JAY BEE OIL & GAS

Date: December 17, 2012



RECEIVED
Office of Oil & Gas
Dec: 9 8 2012
WV Department of
Environmental Protection



Coffman
T.M. 11/76
107.94 Acres

McClain
T.M. 11/26
24.33 Acres



SDW
12/20/2012
Existing pre-GA
well pad

McClain
T.M. 11/26
34.6 Acres

CENTEPLINE PAD
Geographic NAD 27
Latitude: 39.402851
Longitude: 80.687833

UTM, Geo. NAD 83
(METERS)
Latitude: 4361538.7
Longitude: 526892.4

CENTER ROAD INT.
Geographic NAD 27
Latitude: 39.403410
Longitude: 80.687784

UTM, Geo. NAD 83
(METERS)
Latitude: 4361600.7
Longitude: 526896.3

Revisions:

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: _____

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



Jackson Surveying Inc.

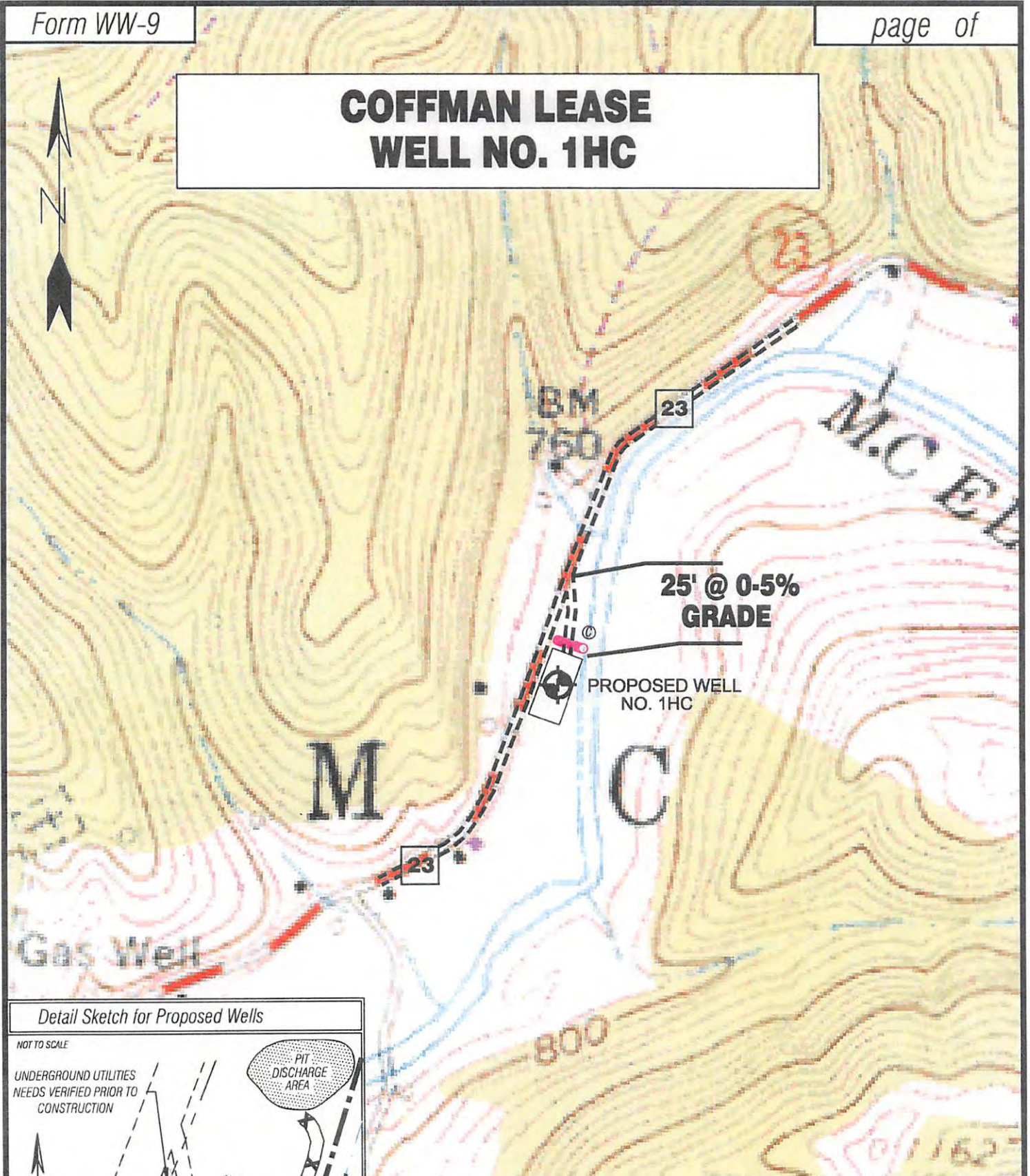
Cover
Sheet 1 of 3
COFFMAN SITE PLAN

Sheet Description	
1	Cover
2	Details
3	Sediment & Erosion Control

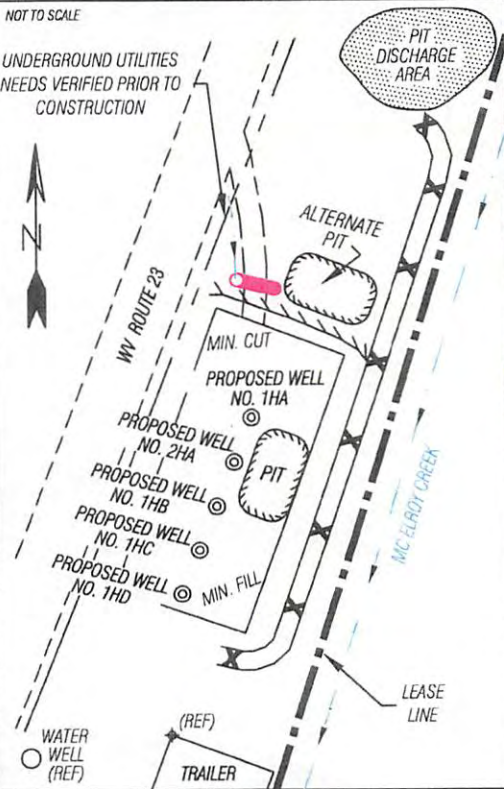


17-06185

COFFMAN LEASE WELL NO. 1HC



Detail Sketch for Proposed Wells



SCALE: 1"=500'

TOPO SECTION OF USGS
CENTER POINT 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY
(FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS 1

ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR. OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.

Projected Earthen Disturbance Area

Well Location Site	2.00 ac. +/-
Access Road	0.01 ac. +/-
Approximate Total Disturbance	2.01 ac. +/-

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

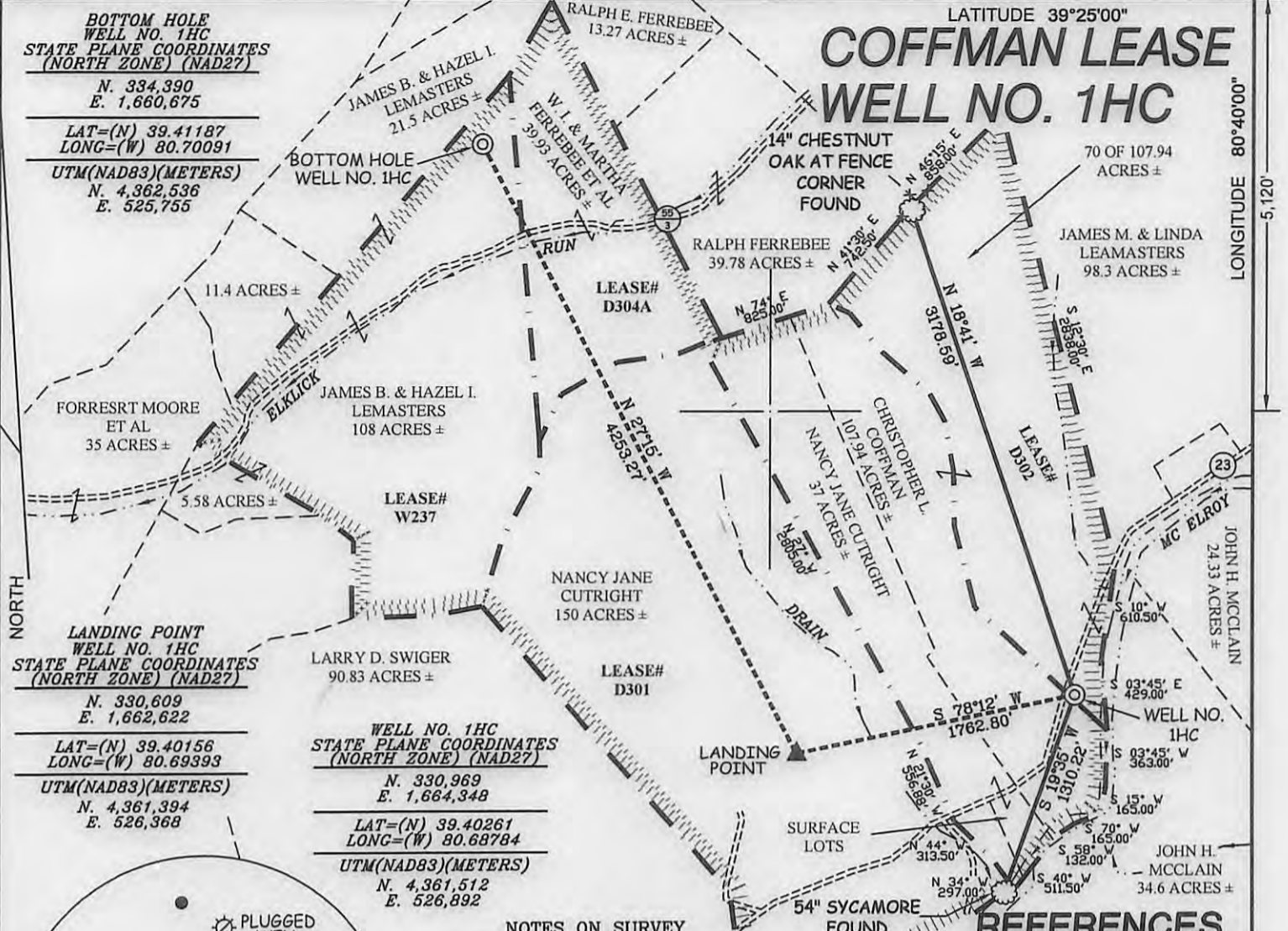
⊗ = EXISTING CULVERT ⊕ = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED

⊗ = PROPOSED STREAM CROSSING (IF APPLIES) [Symbol] = CONSTRUCT BROAD BASED DIP
*SEE TABLE FOR CULVERT DETAIL



SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV, 26351
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@slsurveys.com

DRAWN BY: K.D.W. FILE NO.: 7461 DATE: 12/18/12 CADD FILE: 7461REC1HC.dwg



BOTTOM HOLE WELL NO. 1HC
STATE PLANE COORDINATES (NORTH ZONE) (NAD27)
 N. 334,390
 E. 1,660,675
 LAT=(N) 39.41187
 LONG=(W) 80.70091
UTM(NAD83)(METERS)
 N. 4,362,536
 E. 525,755

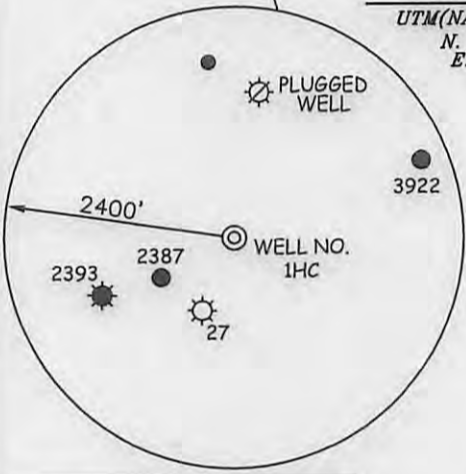
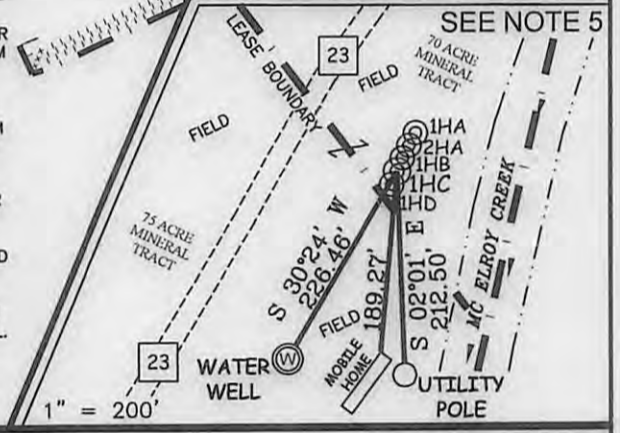
LANDING POINT WELL NO. 1HC
STATE PLANE COORDINATES (NORTH ZONE) (NAD27)
 N. 330,609
 E. 1,662,622
 LAT=(N) 39.40156
 LONG=(W) 80.69393
UTM(NAD83)(METERS)
 N. 4,361,394
 E. 526,368

WELL NO. 1HC
STATE PLANE COORDINATES (NORTH ZONE) (NAD27)
 N. 330,969
 E. 1,664,348
 LAT=(N) 39.40261
 LONG=(W) 80.68784
UTM(NAD83)(METERS)
 N. 4,361,512
 E. 526,892

NOTES ON SURVEY

1. TIES TO WELLS, REFERENCES AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION DATED 04/09/10 AS PREPARED BY HIGINBOTHAM & HIGINBOTHAM, PLLC AND DEED BOOK 125 ON PAGE 193.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2012.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
5. BASED ON CURRENT REGULATIONS A WAIVER IS REQUIRED TO PERMIT DUE TO SPACING TO MOBILE HOME & WATER WELL.

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE DECEMBER 20, 20 12
 OPERATORS WELL NO. COFFMAN 1HC
 API WELL NO. 47 - 17 - 06185 H6A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7461P1HC (436-33)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

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



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 753' WATERSHED MC ELROY CREEK
 DISTRICT MC CLELLAN COUNTY DODDRIDGE QUADRANGLE CENTER POINT 7.5'
 SURFACE OWNER CHRISTOPHER L. COFFMAN ACREAGE 107.94±
 ROYALTY OWNER DONALD R. REYNOLDS ET AL (145 AC.±)/JOHN THOMAS SEESE ET AL (150 AC.±)/RUBY B. FENREBEE (39.93 AC.±)/MARY WELCH (108 AC.±)
 PROPOSED WORK: LEASE NO. D302 / D301 / D304A / W237
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH 8,000'

WELL OPERATOR JAY BEE OIL & GAS, INC. DESIGNATED AGENT RANDY BRODA
 ADDRESS 1720 RT. 22, EAST UNION, NJ 07083 ADDRESS RT. 1 BOX 5 CAIRO, WV 26337

COUNTY NAME PERMIT