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**west virginia** department of environmental protection

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

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

November 19, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4100406, issued to CNX GAS COMPANY LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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

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

  
James Martin  
Chief

Operator's Well No: 10247  
Farm Name: SEE, C.  
**API Well Number: 47-4100406**  
**Permit Type: Plugging**  
Date Issued: 11/19/2015

4100406P

## 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.

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4100406P

4100406P

WW-4B  
Rev. 2/01

1) Date October 12, 20 15  
2) Operator's  
Well No. 10247  
3) API Well No. 47-041 - 00408

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 x/ Liquid injection \_\_\_/ Waste disposal \_\_\_/  
(If "Gas, Production 7 or Underground storage \_\_\_) Deep \_\_\_/ Shallow \_\_\_
- 5) Location: Elevation 1184 Watershed Skin Creek  
District Skin Creek County Lewis Quadrangle Roanoke
- 6) Well Operator CNX Gas Company, LLC 7) Designated Agent Anthony Kendziora  
Address 1000 Consol Energy Drive Address 1 Dominion Dr  
Canonsburg PA 15317 Jane Lew, WV 26378
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Barry Stollings Name See attached list  
Address 28 Conifer Drive Address \_\_\_\_\_  
Bridgeport WV 26330 \_\_\_\_\_

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attached work order**

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

Work order approved by inspector Barry Stollings Date 10-21-15

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## Plugging Work Order for Permit 47-041-00406

### CNX Gas - Well 10247

1. Verify 4-1/2" casing TD (~4351')
2. TIH w/ 2-3/8" EUE work string to TD and establish circulation with water
3. Pump cement plug 4000' to TD (~4351') (Benson plug)
4. Displace cement with 6% gel to 4000'
5. TOH w/ 2-3/8" EUE work string
6. Wait on cement before pulling 4-1/2"
7. Bond Log 4-1/2" casing, TD and verify bottom cement plug
8. Cut 4-1/2" above T.O.C. (est. ~3700'), pull one joint, replace top joint, return to cut
9. Through 4-1/2 casing, pump 100' Cement Plug across cut, displace with 6% gel
10. Pull up to 2350'
11. Pump cement plug 1914' to 2350' (50' and 4<sup>th</sup> sand plug)
12. Pull up to 1900' circulate hole with 6% gel
13. TOH w/ 4-1/2" casing
14. TIH with wireline and "Split Shot" a 7" collar above the packer (~1650')
15. TOH w/ 7" casing
16. If unable to Pull 7", perf w/4 holes ea @ 1650', 1550', 1450', 1350', 1250', 1150', 1050'
17. TIH w/ 2-3/8" work string to 1772'
18. Pump Cement Plug 1600' to 1772' (hole change, Big Lime show), displace w 6% gel
19. Pull 2-3/8" up to 1234'
20. Pump 100' Cement Plug across elev. from 1134' to 1234' (elevation is 1184')
21. TOH w/ 2-3/8" EUE work string
22. Attempt to Pull all 8-5/8" casing (826')
23. If unable to pull all 8-5/8", perf w/4 holes @ 800', 725', 650', 575', 500', 425', 350'
24. Cut 8-5/8" at 300'. TOH w/ top section of 8-5/8" casing
25. Attempt to Pull all 10-3/4" casing 185'
26. If unable to pull 10-3/4" casing perf w 4/holes ea @ 150', 100', 50'
27. TIH w/ 2-3/8" EUE work string to 876'
28. Pump Cement Plug from 876' to 625', displace with 6% gel (csg & water @725')
29. Pull 2-3/8" EUE up to 200'
30. Pump cement plug from 200' to surface
31. TOH with 2-3/8" EUE, and top off cement to surface
32. Install 6" x 14' monument (10' below grade, 6' above grade) API 47-041-00406

Work Order approved by Inspector

*Barry Stalder*

Date: 10-21-15

Note: All cement will be Class A, no additives. All spacers between plugs will be 6% gel.

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4100406P

WELL No. **10247** NAME **Catherine A. See** LEASE No. **61703** ACRES **573 N.** S. **35** E. **10** W. DISTRICT **Weston**

District **Skin Creek**  
 County **Lewis 47-041-404**  
 Permit Granted **7-19-59**  
 Located **6-30-59** Chgd. **7-7-59**  
 Commenced **7-9-59**  
 Completed **Drig. 8-26-59, Wall. 8/27/59**  
 Contractor **Lurey Land Inc \$5.22**  
 Purchased from **Per Foot**  
 Date Purchased  
 Date Shut In **9-2-59**  
 Date Connected **9-4-59** **H-19511**  
 Date Turned on **9-4-59** **OFF**  
 Date Discconnected  
 Sold to  
 Date Sold  
 Date Re-Purchased  
 Date Plugged  
 Plug Cert. Sent D. of M.  
 Date Abandoned  
 Elevation **1,184'**

RECORD					
FORMATION	TOP	BOTTOM	OIL AT	GAS AT	WATER AT
COAL	136	139			
GAS SAND	662	670			
3rd SALT	670	893			725'
Little lime	1218	1286			
Bib lime	1525	1546			
GANTZ	1580	1785			SAND 1602-1605 1602
50'	1861	1885			
2014	2014	2032		2020-32	
4th.	2210	2250		2222-34	
5th	2237	2373			
BENSON	4305	4333		4308-19	

CASING AND TUBING			
SIZE	PUT IN WELL	PULLED	CEMENTED
12 3/8 in. Casing SL	14	14	Date
10 3/4 in. Casing SL	185		Size Casing
8 7/8 in. Casing SL	826		Top Ft.
7 in. Casing SL	1672		Bottom Ft.
4 1/2 in. Casing SL	4382		1/2" CEM. W/50 BAGS.

SHOOTING				
DATE	QTS.	SAND	VOLUME BEFORE	VOLUME AFTER
8-27-59	30	4th	1,264,000	1,632,000
4-26-61	Per	BENSON	111,000	9,762,000

VOLUME AND PRESSURE TESTS

DATE TAKEN	READING	LIQUID	OPENING	POUNDS PRESSURE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	ROCK	VOLUME
Aug 10 1959	25/10	M	2" OF								778,000
" 12 "	"										EX H.
" 17 "	12/10	M	2" OF								539,000
" 25 "	9/10	M	2" OF								467,000
" 26 "	66/10	M	2" OF								1,264,000
" 27 "	110/10	M	3" OF								1,632,000
Feb 27 1961											D.O.
April 19 "	90/10	W	1 1/4" FM								111,000
" 26 "	110/10	M	5 1/2" OF								9,762,000

PACKERS			
SIZE	MAKE	SET AT	
8 7/8	Stos	826'	
8 7/8 x 7"	Disc. Wall	1672'	
4 1/2"	Shee	4382'	

D.D. TO 4382 - Filled TO 4351 - 42661

Gamma Ray + Temp - 4-19-61 - Colloid Prof Log - 42561

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INITIAL OIL PRODUCTION		
DATE	BARRELS	SAND

41004001

County LEWIS 4-1-41-404  
 Permit Granted 7-19-59  
 Located 6-30-59 Chgd. 7-7-59  
 Commenced 7-9-59  
 Completed | Drig. 8-26-59, Wall. 8-27-59  
 Contractor *Lucy Land Inc* \$5.00  
 Purchased from Per Foot  
 Date Purchased  
 Date Shut In 9-2-59  
 Date Connected 9-4-59 H-19511  
 Date Turned on 9-4-59 Off  
 Date Disconnected  
 Sold to  
 Date Sold  
 Date Re-Purchased  
 Date Plugged  
 Plug Cert. Sent D. of M.  
 Date Abandoned  
 Elevation 1,184'

	TOP	BOTTOM	WATER AT	OR SALT	SIZE	PUT IN WELL	PULLED	CEMENTED
COAL	136	139						
GAS SAND	662	670						
3rd Salt	670	893			725'			
Little lime	1218	1286						
Big lime	1525	1546						
BENTZ	1580	1785	S.M.O.D. 1602-165	1602				
50'	1861	1885						
50'	2014	2032		2020-32				
4th.	2210	2250		2222-34				
5th	2237	2373						
BENSON	4305	4333		4308-19				

SIZE	PUT IN WELL	PULLED	CEMENTED
12 3/8 in. Casing	SL 14	14	Date
10 7/8 in. Casing	SL 185		Size Casing
8 7/8 in. Casing	SL 826		Top Ft.
7 in. Casing	SL 1672		Bottom Ft.
4 1/2 in. Casing	SL 4382		4 1/2' CEM. W/60 BAGS.

SHOOTING

DATE	QTS.	SAND	VOLUME BEFORE	VOLUME AFTER
8-27-59	30	4th	1,264,000	1,632,000
4-26-61	Free.	BENSON	111,000	9,762,000

Total Depth 2236'

D.O TO 4382 - Filled TO 4351 - 4-26-61

GAMMA RAY + TEMP - 4-19-61 - Coll. + P.D. Log - 4-28-61

VOLUME AND PRESSURE TESTS

DATE TAKEN	READING	LIQUID	OPENING	POUNDS PRESSURE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	ROCK	VOLUME	SAND	SIZE	MAKE	SET AT
Aug 10 1959	25/10	M	2" OF								778,000	Big lime	8 7/8	S.M.O.S	826'
" 12 "	"										EX H.	" "	8 7/8 x 7"	Disc. Wall	1672'
" 17 "	12/10	M	2" OF								539,000	50'	4 1/2"	Shoe	4382'
" 25 "	9/10	M	2" OF								467,000	"			
" 26 "	66/10	M	2" OF								1,264,000	50' + 4th.			
" 27 "	110/10	M	2" OF								1,632,000	" + "			
Feb 27 1961											D.O.	" "			
April 19 "	90/10	W	1 1/4" FM								111,000	BENSON.			
" 26 "	110/10	M	3 1/2" OF								9,762,000	"			

PACKERS

INITIAL OIL PRODUCTION

DATE	BARRELS	SAND

4100406 P



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle CRAWFORD

Permit No. LEW-406

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Hope Natural Gas Company  
 Address Clarksburg, W/ Va.  
 Farm Catherine A. See Acrea 573  
 Location (waters) \_\_\_\_\_  
 Well No. 10247 Elev. 1184  
 District Skin Creek County Lewis  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Drilling commenced July 17, 1959  
 Drilling completed Aug. 26, 1959  
 Date Shot 8-27-59 From 2220 To 2235  
 With 30 Qts. Nitro  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 1,632 M Cu. Ft.  
 Rock Pressure 380# lbs. \_\_\_\_\_ hrs.  
 Oil Show bbls., 1st 24 hrs.  
 WELL ACIDIZED No  
 WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
14	<u>14</u>	<u>None</u>	
10	<u>185</u>	<u>185</u>	Size of _____
8 1/2	<u>826</u>	<u>826</u>	
6 3/4	<u>1672</u>	<u>1672</u>	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
No cementing

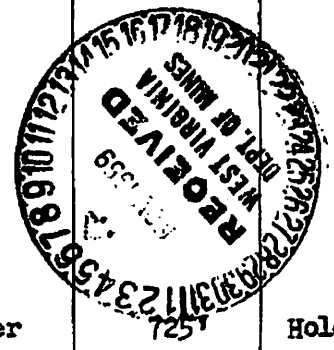
COAL WAS ENCOUNTERED AT 136 FEET 36 INCHES  
662 FEET 96 INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 725' Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	18			
Red Rock			18	51			
Lime			51	136			
Coal			136	139			
Slate			139	358			
Sand			358	498			
Lime			498	608			
Sand			608	645			
Slate			645	662			
Coal			662	670			
Gas Sand			670	893	Water		
Slate & Shells			893	984			Hole Full
Broken Sand			984	1114			
Slate & Shells			1114	1218			
3rd Salt Sand			1218	1286			
Red Rock			1286	1512			
Slate			1512	1525			
LITTLE LIME			1525	1546			
Slate			1546	1580			
BIG LIME			1580	1785	Oil	1602'	Show
Slate & Shells			1785	1861	Gas	1602'	440 M
GANTZ			1861	1885			
Slate & Shells			1885	2014			
50' sand			2014	2032			
Slate			2032	2050			
Red Lime			2050	2090			
Gritty Lime			2090	2210			
FOURTH SAND			2210		Gas	2222'-2226	
Total Depth				2236'			



11/20/2015

(over)

November 5, 1959  
*Jack Bailey*  
W. N. G. Co.

WW-4A  
Revised 6-07

1) Date: October 7 2015  
2) Operator's Well Number  
10247  
3) API Well No.: 47 - 041 - 00406

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:	5) (a) Coal Operator
(a) Name <u>Mary B See &amp; Ralph Edward See</u>	Name <u>N/A - None of Declaration</u>
Address <u>365 Rangers Run Road</u>	Address _____
<u>Roanoke WV 26447-8251</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Surface Owner</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>28 Conifer Drive</u>	Name <u>N/A - None of Declaration</u>
<u>Bridgeport WV 26330</u>	Address _____
Telephone <u>304-552-4194</u>	_____

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.

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Douglas E. Smith, Notary Public  
Franklin Twp., Greene County  
My Commission Expires Oct. 31, 2016  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator CNX Gas Company LLC  
By: Matthew Hanley  
Its: Manager - Gas Permitting  
Address 1000 CONSOL Energy Drive  
Canonsburg PA 15636  
Telephone 724 485 3011

Subscribed and sworn before me this 12<sup>th</sup> day of October  
[Signature] Notary Public  
My Commission Expires 10-31-2016

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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Attachment – Royalty Owners for Well 10247

Donna L. Davis  
2128 Kincheloe Road  
Jane Lew, WV 26378

Mabel See Weidlich  
431 Copen Drive  
Charleston, WV 25302

Carol M Haddix  
576 Old Route 33  
Weston, WV 26452

Barbara M. Loudin  
13 Lincoln Way  
Buckhannon, WV 26201

Mary B. See  
365 Range Run Road  
Roanoke, WV 26447

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4100406 F

List of possible plugging contractors:

Stalnaker Energy Services  
220 West Main Street  
Glennville, WV 26351

WACO Oil & Gas  
P.O. Box 397  
Glennville, WV 26351

Viking Well Service, Inc.  
8113 Sissonville Drive  
Sissonville, WV 25320

Contractor Services Inc.  
929 Charleston Road  
Spencer, WV 25276

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OCT 23 2015

WV Department of  
Environmental Protection  
11/20/2015

4100406A

WW-9  
(2/15)

API Number 47 - 041 - 00406  
Operator's Well No. 10247

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Comapany, LLC OP Code 494458046

Watershed (HUC 10) 0502000201 (Skin Creek) Quadrangle Roanoke

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.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: Closed loop system used for tank storage.

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. Hauled off site for disposal

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

-Landfill or offsite name/permit number? Waste Management or Ryan Environmental; Use vac truck and properly dispose of waste.

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 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 Matthew Hanley

Company Official (Typed Name) Matthew Hanley

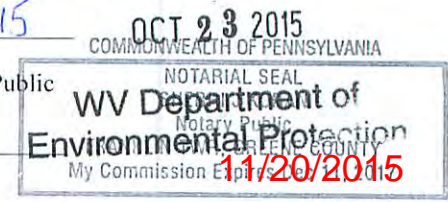
Company Official Title Manager - Gas Permitting

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Office of Oil and Gas

Subscribed and sworn before me this 21<sup>st</sup> day of October, 20 15

Shirley J. Kellan Notary Public

My commission expires 12-11-17



41 00406A

Form WW-9

Operator's Well No. 10247

**CNX Gas Company, LLC**

Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH unknown

Lime to pH test \_\_\_\_\_ Tons/acre or to correct to pH 7.0

Fertilizer type (10-20-20 or equivalent) 500 lbs/acre

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Barry Shilp

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Title: Inspector Barry Shilp

Date: 10-21-15

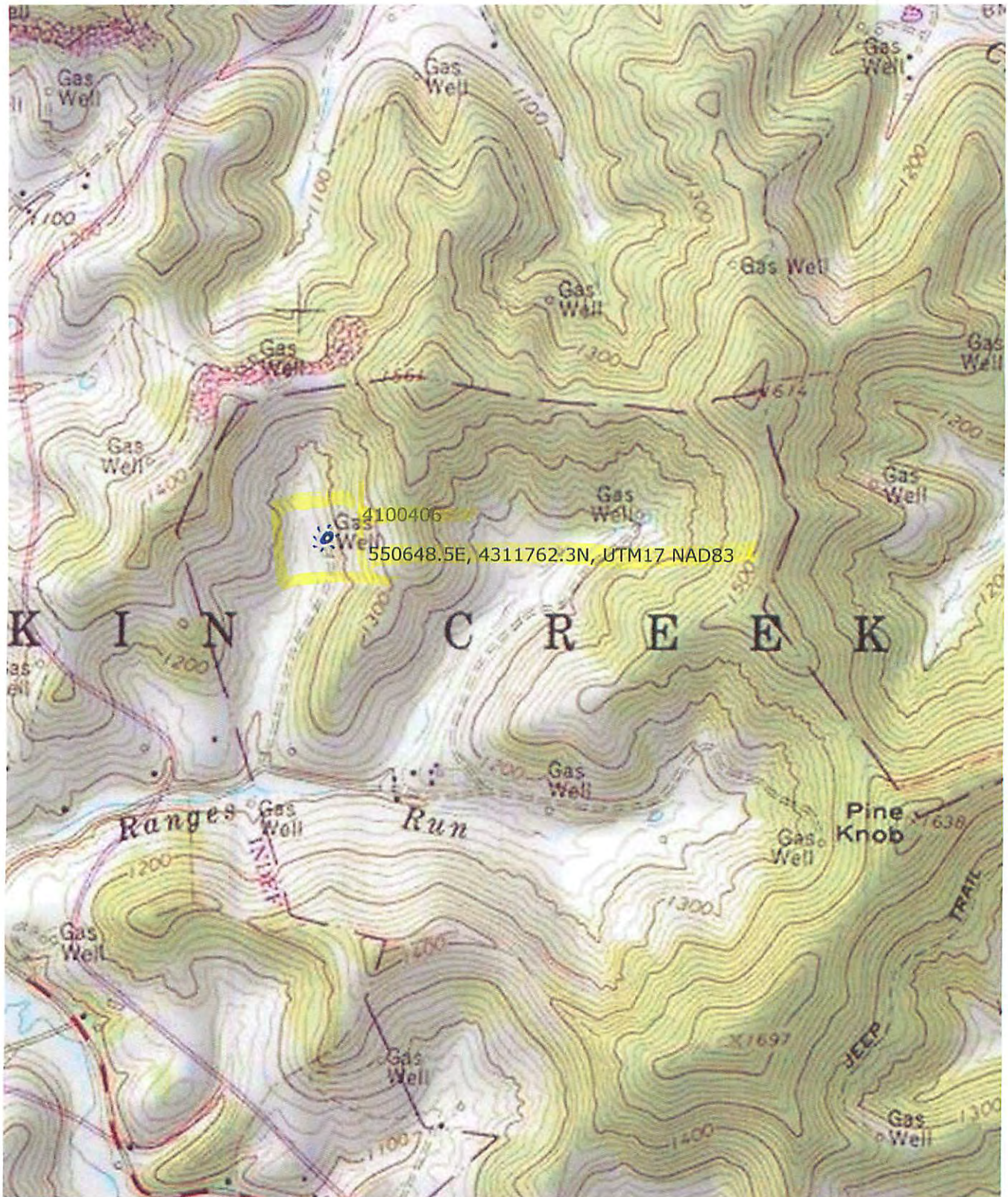
Field Reviewed?  Yes  No

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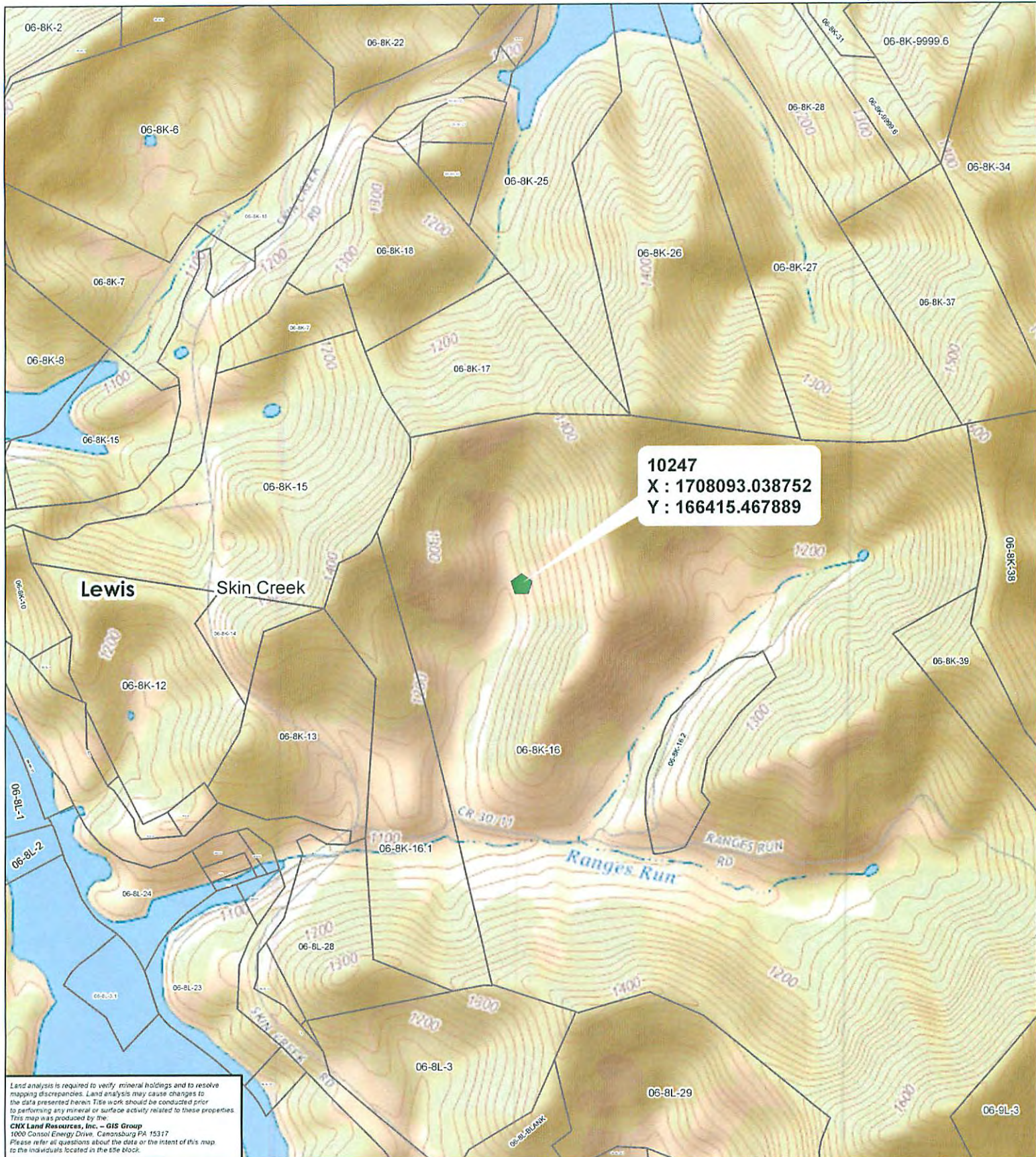
OCT 23 2015

WV Department of  
Environmental Protection  
11/20/2015

4100406 P



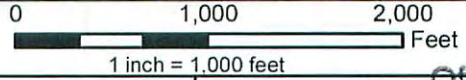
11/20/2015



**10247**  
**X : 1708093.038752**  
**Y : 166415.467889**

Land analysis is required to verify mineral holdings and to resolve mapping discrepancies. Land analysis may cause changes to the data presented herein. Title work should be conducted prior to performing any mineral or surface activity related to these properties. This map was produced by the:  
**CNX Land Resources, Inc. - GIS Group**  
 1000 Consol Energy Drive, Canonsburg PA 15317  
 Please refer all questions about the data or the intent of this map to the individuals located in the title block.

**Legend**  
 10247  
 Surface Parcel Updates



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**CONSOL ENERGY**  
 CNX Center, Canonsburg, PA  
 Office of Oil and Gas

Original Date: 10/8/2015	Prepared By: Julie Long
Revision Date: 10/8/2015	Approved By: K. Pritchard

**OCT 23 2015**  
 GP207  
 10247  
 Lewis County, WV  
**11/20/2015**  
**Environmental Protection**

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NOV 09 2015

WW-7  
8-30-06

WV Department of  
Environmental Protection



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-041-00406 WELL NO.: 10247  
FARM NAME: Catherine A. See  
RESPONSIBLE PARTY NAME: CNX Gas Company LLC  
COUNTY: Lewis DISTRICT: Skin Creek  
QUADRANGLE: Crawford  
SURFACE OWNER: Mary B See & Ralph Edward See  
ROYALTY OWNER: See Attached  
UTM GPS NORTHING: 4,311,204.422 (UTM83) = 4311762.3  
UTM GPS EASTING: 550,519.873 (UTM83) = 550648.5 GPS ELEVATION: 1184'

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 \_\_\_\_\_

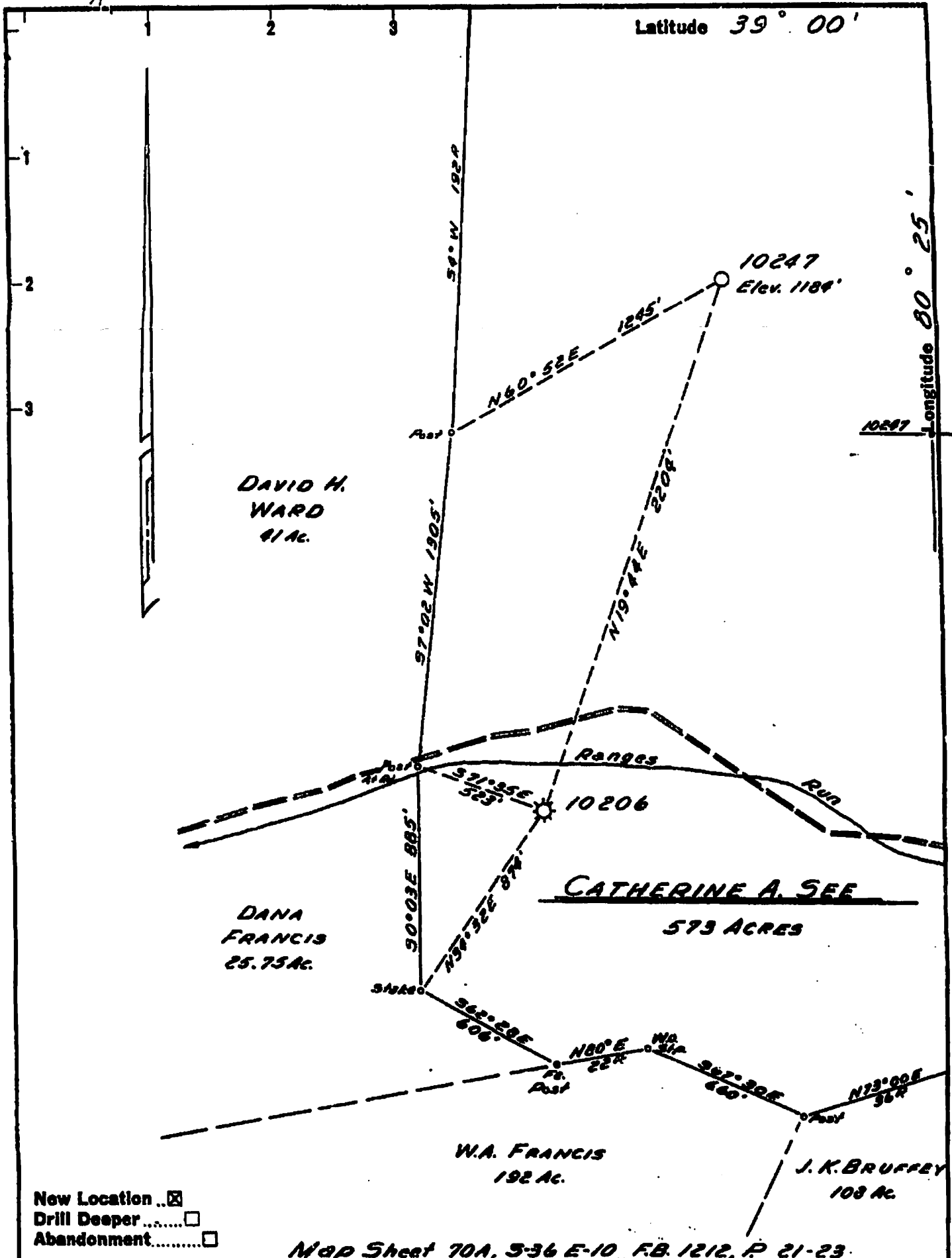
Mapping Grade GPS X: Post Processed Differential \_\_\_\_\_

Real-Time Differential X

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.

Mary B See Permitting Manager 11/09/2015  
Signature Title Date



New Location   
 Drill Deeper   
 Abandonment

Map Sheet 70A, 5-36 E-10 F.B. 1212, P. 21-23.

Company HOPE NATURAL GAS CO.  
 Address CLARKSBURG, W.VA.  
 Farm CATHERINE A. SEE  
 Tract \_\_\_\_\_ Acres 573 Lease No. 61703  
 Well (Farm) No. \_\_\_\_\_ Serial No. 10247  
 Elevation (Spirit Level) 1184'  
 Quadrangle CRAWFORD - NW  
 County LEWIS District SKIN CREEK  
 Engineer Ray H. Broadley  
 Engineer's Registration No. 2425  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7-2-59 Scale 1" = 30 FEET

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**

FILE NO. LCV-406

RECEIVED  
 Office of Oil and Gas  
 July 20, 2015

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch department of Environmental Protection border line of original tracing.