109-128



Con. mental Reserves Oil Company Oil and Gas Exploration and Production 147-3 W. Main Street Bridgeport, WV 26330 304-842-5446

AUGUST 07, 1992

JAMIE STEVENS
DIV. OF ENVIRONMENTAL PROTECTION
#10 MCJUNKIN DRIVE
NITRO, WV 25143

JAMIE:

ENCLOSED YOU WILL FIND A REVISED WW2-B FOR OUR CLINE #1 (47-109-1163) LOCATED IN HUFF CREEK, WYOMING COUNTY, WHICH WILL NOW BE REFERRED TO AS THE CLINE #1R (REVISED).

DUE TO A BIT STUCK IN HOLE, THE FIRST HOLE HAD TO BE PLUGGED AT 142'. WE HAVE MOVED THE WELL 6-10 FEET ON THE LOCATION SITE.

THE REC. PLAN AND PLAT ARE ON FILE AT YOUR OFFICE. WE WILL HAVE A NEW MYLAR SENT FOR YOUR FILES AS SOON AS IT IT IS RE-SURVEYED.

ENCLOSED YOU WILL FIND COPIES OF ALL FORMS NEEDED TO FILE AND A CHECK FOR \$400.00 FOR REVISED PERMIT.

I WILL CALL MONDAY TO GET NEW PERMIT NUMBER.

THANKS FOR YOUR HELP, IF THERE ARE ANY QUESTIONS PLEASE FEEL FREE TO CALL ME.

SINGERELY

LINDA E. ALDRIDGE OFFICE MANAGER



Continental Reserves, Inc.
Oil and Gas Exploration
and Production

615 Washington Road, Suite 304 Pittsburgh, PA 15228-1920 Phone: (412) 531-4533 Fax: (412) 344-5911

RECEIVED
WY Division of
Environmental Protection
NG 1 0 92

Permitting Office of Oil & Gap

August 7, 1992

Mr. Jamie Stevens Office of Oil and Gas Department of Environmental Protection #10 McJunkin Drive Nitro, WV 25143

Re: Continental Cline #1 - Rev. 109-12-83
Permit #47-109-1163

Dear Jamie:

As per your verbal instructions of August 7, 1992, enclosed are the WW-4B and WR-35 for the Cline #1. Also enclosed is the WW-2B for the Cline #1-R.

Sincerely,

Michael A. Birch

Vice President Exploration

Aug045.dmh Enclosures

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

WELL WORK PERMIT

This permit, issued to CONTINENTAL RESERVES OIL CO.
is evidence of permission granted to perform the specified well
work at the location described on the attached plat, subject to
the provisions of Chapters 22 and 22B 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 to the Oil
and Gas Inspector RODNEY G. DILLON at 304-877-2912 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 reported to 1-800-654-3312.

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.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit

Chief

y: James Grand

Title: Tetral Eng. Tech.

Operator's Well No: CLINE 1-REV.

Farm Name: CLINE, DENNIS & GERTRUDE

API Well Number: 47-109-01283

Date Issued: 08/11/92

Expires two (2) years from issue date.

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

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is evidence of permission granted to perform the specified well
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Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit

Chief

71+10

Operator's Well No: CLINE 1-REV.

Farm Name: CLINE, DENNIS & GERTRUDE

API Well Number : 47-109-01283

Date Issued : 09/25/92

Expires two (2) years from issue date.

| | | KEC H HH-2B | | • | | 1091-1 | 283 | | | |
|-------------|---|-----------------|-----------|-----------|---------------------------|-----------------|-------------------------|-----------------------|--|--|
| | ะงกเ | KG 1 0 | DEPART | tent of | ATE OF WEST ENERGY DIV | . , | L AND GAS | 0 <u>1</u> 0 <u>1</u> | | |
| ; | 1) | Well Ope | fator: | | | | | (5) 365° | | |
| 2 | 2) | Operator | | 1214 | 1-R | | | vation: 1,250 | | |
| 4 | L) | Well type | e: (a) (| 011/ | or Gae | s_X/ | | | | |
| | | | (b) | If Gas: | Production Deep | nX/ Undergr | ound Storage Shallow | | | |
| : | 5) Proposed Target Formation(s): Big Lime, Berea | | | | | | | | | |
| • | 3) | Proposed | Total De | epth:4 | ,000 | feet | | | | |
| 7 | 7) | Approxima | ate free! | water | strata dep | ths: 20, 65, | 120, 150, 3 | 70 | | |
| 8 | 3) | Approxim | ate salt | water de | epths: 660 | 1000, 1243 | , 1300, 1327 | | | |
| 9 |)) | Approxim | ate coal | seam de | pths: 80, | 145, 265, 6 | 40, 830, 106 | 9, 1153 | | |
| 1 | LO) | Does land | d contain | n coal se | eams tribu | tary to acti | ve mine? Ye | s/ No_X/ | | |
| 1 | L1) | Proposed | Well Wor | ck: Drill | and test | all formati | ons through | the Berea. | | |
| 1 | L2) | | | GAGT | 10 AND 805 | | Bell & Sta | mulate New Well. | | |
| 1 | 12) CASING AND TUBING PROGRAM CASING AND TUBING PROGRAM TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT | | | | | | | | | |
| 5 | | | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) | | |
| | Conc | luctor | 16 | H-40 | 65 | 18 | 0 | 38CSPB113 | | |
| | Free | sh Water | 11 3/4* | H-40 | 42 | 169 | ps. 169 2 | 20 SX | | |
| | Coal | L | 7 | J-55 | 20.0# | 1,500 | 1,500 | CTS | | |
| | Inte | ermediate | | | | | | 1385818 N.22 | | |
| | Proc | iuction | 4 1/2 | J-55 | 10.5 | 4,000 | 4,000 | 125 SX | | |
| | Tub | lng | | | | | | 1380818-U.) | | |
| | Liners | | | | | | | | | |
| E | * Set through open, abandonned mine. PACKERS: Kind | | | | | | | | | |
| - | 160 | 29 100(s) pa | | 1 | | and Gas Use | • | OK NPCP | | |
| נ | [] Fee(s) paid: (F Well Work Permit (F) Reclamation fund (F WPCP) [] Flat | | | | | | | | | |

101024

| | 1 of 1 | 1) | Date: AUGUST 11, 1992 Operator's well number |
|--------------|--|---|--|
| (09/8 | W2-A | 2) | Operator's well number |
| (4), | , | 3) | API Well No: 47 |
| | | • | State - County - Permit |
| | | COLOR AC LUBA | |
| | | DEPARTMENT OF ENERGY, DI | |
| | | | |
| | | NOTICE AND APPLICATION | for a vell work permit |
| 4) | Surface O | wner(s) to be served: | 5) (a) Coal Operator: |
| | (a) Name | EXPOSES & GERTRIDE CLUBE | Name |
| | Address | BOY 96 | Address |
| | (b) Name | HANOVER, MV 26839 | |
| | Address (D) Name | | (b) Coal Owner(s) with Declaration |
| | | | Name SAME AS SURFACE SIMES |
| | (c) Name | | |
| | Address _ | V | Name |
| | | SARama Mara and | Address |
| 6) | Inspector | RODNEY DILLON | (c) Coal Lessee with Declaration |
| | Address _ | P.O. Box 1526 | Name |
| | | COPHTA, WV 25921 (304) - 683-3090 | (c) Coal Lessee with Declaration Name Address |
| | Telephone | (304)-683-3989 | |
| Sect | Included racts by w Included ion 8(d) o I certify | hich I hold the right to is the information requi of the Code of West Virgi of that as required under | r other continuing contract or extract oil and gas <u>OR</u> red by Chapter 22B. Article 1. |
| acco | mpanying d | ocuments pages 1 through | on the above named parties, by: |
| | Pers | onal Service (Affidavit | attached) |
| | XX Cert | ified Mail (Postmarked p | ostal receipt attached) |
| | PUD1 | reacton (notice of bubil | cation attached) |
| fami atta | he terms a I certify liar with chments, a | ind conditions of any per under penalty of law the the information submittee and that based on my inqu | r 22B and 38 CSR 11-18, and I agree mit issued under this application. at I have personally examined and am d on this application form and alliry of those individuals immediately |
| resp | onsible fo | r obtaining the informat | ion, I believe that the information |
| 15 C | rue, accur | ate, and complete. | cant penalties for submitting false |
| info | rmation_1 | ncluding the possibility | of fine and imprisonment. |
| | Offi | ONEMA Well Operator | CONTINENTAL RESERVED BYL. CO. |
| Mr. | STATE OF | MESTANGON C DA. | methot James my man |
| W. | CONTINUATAL | ALDRIDGE Its: | PRRIDERT |
| | tay Constitution | | TOTAL PORT SET 26330 |
| | *************************************** | Telephone | (304)842-3446 |
| 5 U D S | eriped and | sworn before me this | day of the 1992 |
| My c | ommission | dxpires | Motary Public |
| | | | |

as:

than the bridgesod rea single estate therein, thun the royalties and rontals increin provided shall be paid the Lassor only in the proportion which his interest bears to the whole and undivided fee, and further provided that this Agreement shall remain in force for a primary form during which operations may be delayed by the paymonts of delay replace pursuant to the provisions of paregraph 4, beginning on the data of execution hereof and entire at the and of a period which begins on the data upon which the Lossoc has, by the execution of appropriate which period shall have a duration equal in length to the period of time initially specified for the primary term as set forth in paragraph 2 hereof. Not withstanding the foregoing, the total duration of the primary term during which operations may be delayed by the payment of delay rentals pursuant to the provisions hereof shall not exceed five years. which period shall have a duration equal in length to the period of tism initially specified for the primary term as set forth in paragraph 2 hereof. Not withstanding the foregoing, the total duration of the primary term during which operations may be delayed by the payaount of delay rentals pursuant to the provisions hereof shall not exceed five years.

The writing may be delayed by the payaount of delay rentals pursuant to the provisions hereof shall not exceed five years.

The writing may be delayed by the payaount of delay rentals pursuant to the provisions hereof shall not exceed five years.

The writing may be delayed by the payaount of delay rentals pursuant to the provisions hereof shall not defend on said land for its operations thereon, except water from well set to the control of the proper us and deaylogment of this lease, and shall have the right to use, freely except all and the right to draw and remove casing. Losses shall pay for damages caused by its depth.

10.7 The interest or estate of either party knepto may be assigned, in whole or in part being depth.

10.7 The interest or estate of either party knepto may be assigned, in whole or in part being depth.

10.7 The interest or estate of either party knepto may be assigned, in whole or in part being land and the assigned or assigness of such part or parts of said land upon which the said of appears to defeat or effect this lease intofar as it covers a part or parts of said land upon which the said of appears to defeat or effect this lease intofar as it covers a part or parts of said land upon which the said of the entity as a part of parts of said land upon which the said well as a part of the said of the said and the said of the entity as a part of parts of said land upon which the said well as a part of parts of said land upon which the said well as a part of said first of the country and the said of Proposition depth. Office of the In witness whereof the Lessor hereunto sets its hand and soal the day and year above written. WITHESS (SEAL) E (SEAL) SEAL) ٧ 而非常 3 2 (SEAL) State of West Vieginia B with 東江京 in County 7= Haught I. Anthony K. the State of West Vinginia Kennis Clina do certify that whose manufactures terare signed to the writing above bearing date of 2/4 has/have this day scanowledged the same before me in my said county and State. day of October Given under my hand this 26th day of Oclober Abovation State Land, Serviced North Addie Charleston ww This instrument prepared by: OFFICIAL SEAL RECORDING DATA tology Dunito, Tiere or West Winight ANTHONY K. HAUGHT 102 Cherry St. Ravenswood, Page 26164 State My Confinitation Expires April 0, 1991 OFFICE OF THE CLERK OF THE COUNTY COMMISSION WYOMING COUNTY, W. VA. 77 THE COUNTY OF THE COUNTY COMMISSION 27, 1989 0 16:22 A.M. The foregoing writing, together with the cortificate of acknowledgment

By

(segre)

thereof thereto annexed, was this day admitted to record.

10

04/16/2021

hackson Door

Form WW-9 AND 29 90 Penning Section Oil and Gas Section API Number 47 - Page 1 11-0 Operator's Well # CLINE NO.1 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS 109-1263 CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORMS
GENERAL PERMIT FOR OIL AND GAS DRILLING PIT WASTE DISCHARGE Operator Name _____CONTINENTAL RESERVES OIL CO. OP. Code Watershed GARDEN GAP BRANCH Quadrangle GILBERT 7.5 Elevation 1250' County WYOMING District A HUFF CREEK Proposed Disposal Method for Treated Drilling Pit Wastes: 13 X Land Application __ Underground Injection (UIC Permit Number __ Reuse (at API Number _____ __Off Site Disposal (Supply form WW-9 for disposal location) __ Other (Explain: I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION CONTROL PERMIT issued on January 15, 1988, by the Division of Oil and Gas of the West Virginia Department of Energy. 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 and imprisonment. Company Official Signature Mich Company Official (Typed name) Michael A. Birch Company Official Title _____ Vice President Exploration Subscribed and sworn to before me this lst day of August , 1990

My commission expires

Notary Public

My Commission Express July 87, 1969 My Commission Express July 87, 1969 Manness, Pennsylvenia Association of Notices

| Form WW-9 Reverse | West Virginia Department of Energy Division of Cil and Gas |
|---|--|
| en en general de la company de la company La company de la company d | LEGEND |
| 。1987年 - 1987年 - 1987年 - 1988年 | one to the property of the pro |
| Property Boundary | Diversion Market State Control of the Control of th |
| | == Spring, ○→ |
| Existing Fence -x-x-x- | ,一直一直一直一直一直,一直一直一直,一直一直一直,一直一直一直,一直一直一直,一直一直,一直一直,一直一直,一直一直,一直一直,一直一直,一直一直,一直一直, |
| Charles and the second | /- Drain pipe with size lin inches - 12 |
| | Waterway : Cross Drain ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ |
| Rock 8 | 그는 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 |
| North N | Artificial Filter Strip XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| Buildings | |
| Water wells (A) | Pit: Compacted fill walls Area for Land Application of Pit Waste |
| Drill site | (::::::::::::::::::::::::::::::::::::: |
| | or to correct to pH <u>6.5</u> O or equivalent) <u>.25</u> Tons/acre. |
| Mulch HAY OR ST | 。 |
| Area I Seed type lbs/ | Seed Mixtures Area II |
| KY 31 | 20 KV 34 |
| RED CLOVER | 8 RED CLOVER |
| ALSIKE CLOVER | 4 ALSIKE CLOVER |
| Attach: Drawing(s) of road, loca Photocopied section of i | tion, and proposed area for land application nvolved 7.5' topographic sheet. |
| Plan-Approved-by Kodne | Willow. |
| Title | Date: 1-26-90 |
| FleidaReviewedaliama al Tres | (_)No |
| - | |
| | The state of the s |

| Reviewed TM6 | LIFEN | | Office o | 777 |
|--|-----------------------|----------------------|-------------|------------------|
| Recorded | 1. A. L. L. | | 001 | 0 7 92 |
| | | | WV | r. |
| -35 | | Date | 09 Environm | iental Fr. |
| Sinte of M | leat Miraini | Operato | .Cline #1 | |
| DEPARTMENT | | Farm | Cline | |
| 7.7.7.7.5.5.5.6.6.6.6.6.6.6.6.6.6.6.6.6. | ne Division | API No. | 47 - 109 | - 1283 |
| WELL OPERATE | on's report | | | |
| 0 | F | | | |
| DRULLIE, FINCTURING AND/OR ST | IMULATING, O | R PHYSICAL | CIVICE | |
| WELL TYPE: Oil / Gas X / Liquid Inject (If "Gas," Production X / Underg | ion_/Wast | e Disposa e/ Deep | L/ / Sha | 110 <u>/</u> X/) |
| LOCATION: Elevation: 1250 Watershed | Garden Ga | p | | |
| District: Huff Creek County Wyo | ming | Quadrangle | Gilber | t |
| | | | | |
| COMPANY Continental | | | | |
| 147-3 West Main Street ADDRESS Bridgeport, WV 26330 | | | 1000 | Cement |
| DESCRIPTION AGENT Linda Aldridge | Casing | Used in | Left | fill up |
| ADDRESS Bridgeport, WV 26330 | Tubling | Drilling | in Well | Cu. ft. |
| SURFACE CANER Kennis & Gertrude Cline | Size | 18 | 18 | CTS |
| ADDRESS P.O. Box 96, Hanover, WV 24839 | Cond. | 160 | | |
| MINERAL RIGHTS OWNER Cline | 11 3/4" | 169 | 169 | 90 SX |
| ADDRESS Box 96, Hanover, WV 24839 | 9 5/8 | 1509 | 1500 | - |
| OIL AND GAS INSPECTOR FOR THIS WORK Rodney | 8 5/8 | 1509 | 1509 | CTS |
| Dillon ADDRESS Bradley, WV | 7 | | | |
| PERMIT ISSUED 08/07/92 - Verbal | 5 1/2 | | 2022 | - |
| DRILLING COMMENCED 08/07/92 | 4 1/2 | 3095 | 3095 | 233 SX |
| DRILLING COMPLETED 09/03/92 | 3 | - | | - |
| IF APPLICABLE: PLUGGING OF DRY NOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OFFINING ON 09/03/92 - Bottom portion of hole. | Liners used | | | |
| | - | | 2 500 | |
| Depth of completed well 3680-Driller a | 7D na. | Dep | | fee |
| Water strata depth: Fresh 220 feet | | | Tools_ | |
| Coal seam depths: 221, 346, 435, 735, 7 | EC - | being min | ad in the | BP057 4 |
| | | t coal min | | |
| OPEN FLOW DATA | | | | |
| Producing formation Big Jime . Gas: Initial open flow show Mcf/6 | | zone dep | | |
| | | tial open | | Bb1/ |
| Final open flow 750 Mcf/c Time of open flow between in | | nal open f | | Bb1/ |
| | face measurem | | - 20 | urs , shut i |
| (If applicable due to multiple complete | | are, area | r_ 30 mt | 1. sinc 1 |
| Second producing formation Ravencliff | | zone dep | th 18 | 17 fee |
| Gas: Initial open flow show Mcf/ | | itial open | _ | 0 Bb1/ |
| Final open flow 100 est. Mcf/ | and the second second | nal open f | | 0 Bb1/ |
| Time of open flow between i | | | | urs |
| | | | | |
| Static rock pressure N.M. psig(surf | aca measuren | mich arres | | ma sunc 7 |

04/16/202

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Plugged back to Big Lime; Set cement plug above Berea; Big Lime perf's 2902 to 2944 O.A.; Acidized w/13,000 gals; Ravencliff Sandstone perf's 1823 to 1832 O.A.; Frac'd w/60,000 # Sd; 515 Mscf/N2.

Commingled production from both zones.

WELL LOG

| FORMATION! COLOR HAND OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|-------------------------------|----------|-------------|---|
| Sand and Shale | 0 | 1817 | |
| Ravencliffe Sandstone | 1817 | 1840 | Show Gas |
| Avis Lime | 1840 | 1870 | |
| Maxton Group | 1870 | 2500 | |
| Little Lime | 2500 | 2534 | |
| Big Lime | 2534 | 2980 | |
| Pocono | 2980 | 3576 | |
| Berea | 3576 | 3616 | Gas checks @ 3,522 - 44 Mcf, |
| Shale | 3616 | 3680 | 5,322 - 44 MCI, |
| Driller's T.D. | 3680 | | |
| PBTD | 3095 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | 1 | |

(Attach separate sheets as necessary)

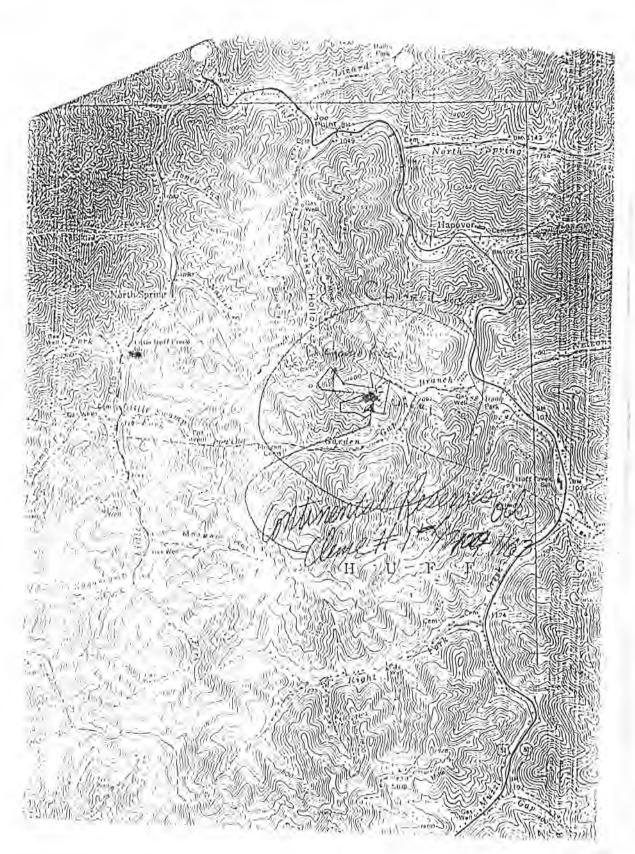
By: Melal Sum.

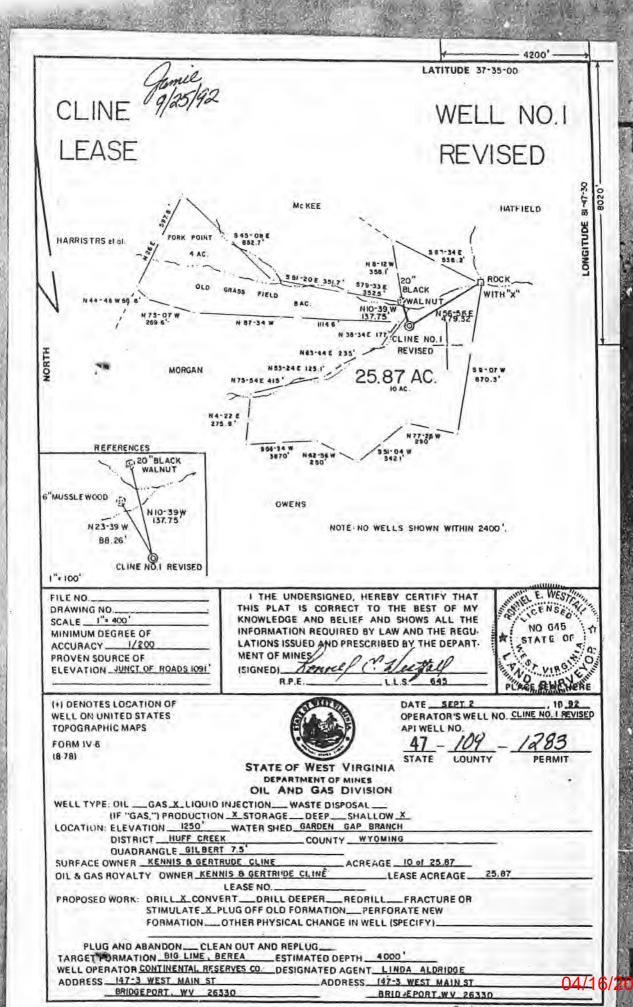
14105

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

04/16/2021





Gilbert 5

| Reviewed TM 6 Recorded Situation | 18 | | 007 | 0 7 92 |
|--|---------------------|------------|------------|-------------------|
| | hort's) | | 1 " | v + |
| MR-35 | | Date | 09 Environ | |
| | | Operation | or's | |
| | Gest Wirgin | | o.Cline | ∮1-R |
| | OF ENERGY | Farm | | |
| Oil and C | Jas Division | WI NO | 47 - 10 | 09 - 128 |
| | TOR'S REPORT | | | |
| DRILLING, FRACTURING AND/OR ST | OF CIMULATING, (| OR PHYSICA | I. CHANCE | |
| | | | | |
| WELL TYPE: Oil / Gas X / Liquid Inject | ion_/ Was | te Disposa | 1 / | |
| Troduction A Onder | round Storag | ge/ Dee | p_/ Sh | allow X / |
| LOCATION: Elevation: 1250 Watershed | | ар | | |
| District: Huff Creek County Wyo | aming | Quadrang1 | e Gilber | rt |
| | | | | |
| COMPANY Continental | | | | |
| ADDRESS Bridgeport, WV 26330 | | | | |
| DESIGNATED AGENT Linda Aldridge | Casing | Used in | Left | Cement fill up |
| ADDRESS Bridgeport, WV 26330 | Tubing | Drilling | in Well | Cu. ft |
| SURFACE OWNER Kennis & Gertrude Cline | Size | | | 1 |
| ADDRESS P.O. Box 96, Hanover, WV 24839 | Cond. | 18 | 18 | CTS |
| MINERAL RIGHTS OWNER Cline | 11 3/4" | 169 | 169 | 90 SX |
| ADDRESS Box 96, Hanover, WV 24839 | 9 5/8 | | | |
| OII. AND GAS INSPECTOR FOR THIS WORK Rodney | 8 5/8 | 1509 | 1509 | CTS |
| Dillon ADDRESS P.O. Box 131 ADDRESS Bradley, WV | 7 | | | |
| PERMIT ISSUED 08/07/92 - Verbal | 5 1/2 | | | 6-250 |
| DRILLING COMMENCED 08/07/92 | 4 1/2 | 3095 | 3095 | 233 SX |
| DRILLING COMPLETED 09/03/92 | _3 | | | |
| IF APPLICABLE: PLUGGING OF DRY HOLE ON | 2 | | PC 1 | |
| CONTINUOUS PROGRESSION FROM DRILLING OR | Liners | | | 1 -000 |
| REWORKING. VERBAL PERMISSION OBTAINED ON 09/03/92 - Bottom portion of hole. | used | | | - |
| TANK AND AND ADDRESS OF THE PARTY OF THE PAR | | | | |
| GEOLOGICAL TARGET FORMATION Berea | | Dept | h 3,580 | fee |
| Depth of completed well 3680-Driller equ | | _/ Cable | Tools | |
| Water strata depth: Fresh 220 feet; Coal seam depths: 818, 1202, 1311 | 5 | feet | | |
| | _ Is coal l | eing mine | d in the | area? Y |
| OPEN FLOW DATA | mined out | coal mine | from 74 | ' to 82'. |
| Producing formation Big Lime | Pay | zone depti | h 2,900 | feat |
| Gas: Initial open flow show Mcf/d | | | | |
| Final open flow 750 Mcf/d | Fine | l open flo | w 0 | |
| Time of open flow between ini | tial and fir | at banks | | |
| Static rock pressure 255 psig(surfa | ce measureme | nt) after | 30 | shut in |
| approcable one to multiple completio | m) | | ——min | and II |
| Second producing formation Ravencliff | | zone depti | 181 | 7_feet |
| producing total Ravengliff | | | | THE RESERVE |
| Gas: Initial open flow show Mcf/d | Oil: Init | ial open i | Clow I | Ph1/4 |
| Cari Talkini ri | Oil: Fina | 1 open fle | w (| Bb1/d |

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANCE, ETC.

Plugged back to Big Lime; Set cement plug above Berea; Big Lime perf's 2902 to 2944 O.A.; Acidized w/13,000 gals; Ravencliff Sandstone perf's 1823 to 1832 O.A.; Frac'd w/60,000 \sharp Sd; 515 Mscf/N₂.

Commingled production from both zones.

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|------------------------------|----------|-------------|---|
| Sand and Shale | 0 | 1817 | |
| Ravencliffe Sandstone | 1817 | 1840 | Show Gas |
| Avis Lime | 1840 | 1870 | |
| Maxton Group | 1870 | 2500 | |
| Little Lime | 2500 | 2534 | |
| Big Lime | 2534 | 2980 | |
| Pocono | 2980 | 3576 | |
| Berea | 3576 | 3616 | Gas checks @ 3,522 - 44 Mcf/d. |
| Shale | 3616 | 3680 | |
| Driller's T.D. | 3680 | | |
| PBTD | 3095 | | |
| | | | |
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(Attach separate sheets as necessary)

Well Operator

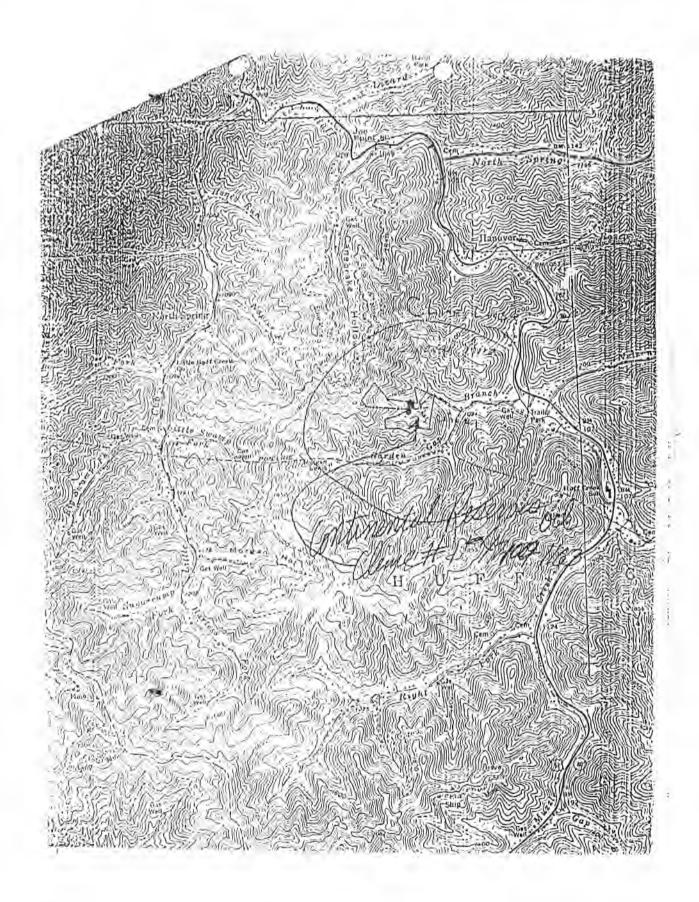
By: Miles Suns

9/30/92

14105

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including will, encountered in the drilling of a well."



J.W. PIT DISPOSAL AND WELL SERVICING, INC. 1802 Rolling Hills Circle Charleston W.Va. 25314 (304) 756-9215 or 756-3451: Fax # (304) 756-9380

1 1/4 Appl 6194

October 15, 1992

Department of Energy Attn: Tim Green #10 McJunkin Road Nitro, W.V. 25143-2506

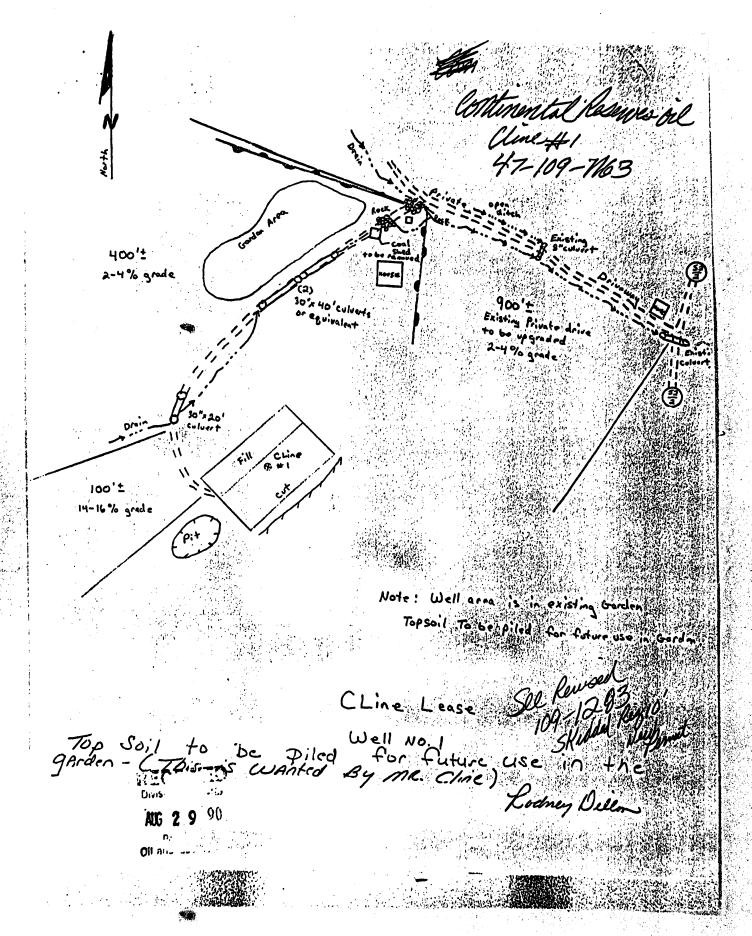
Dear Mr. Green,

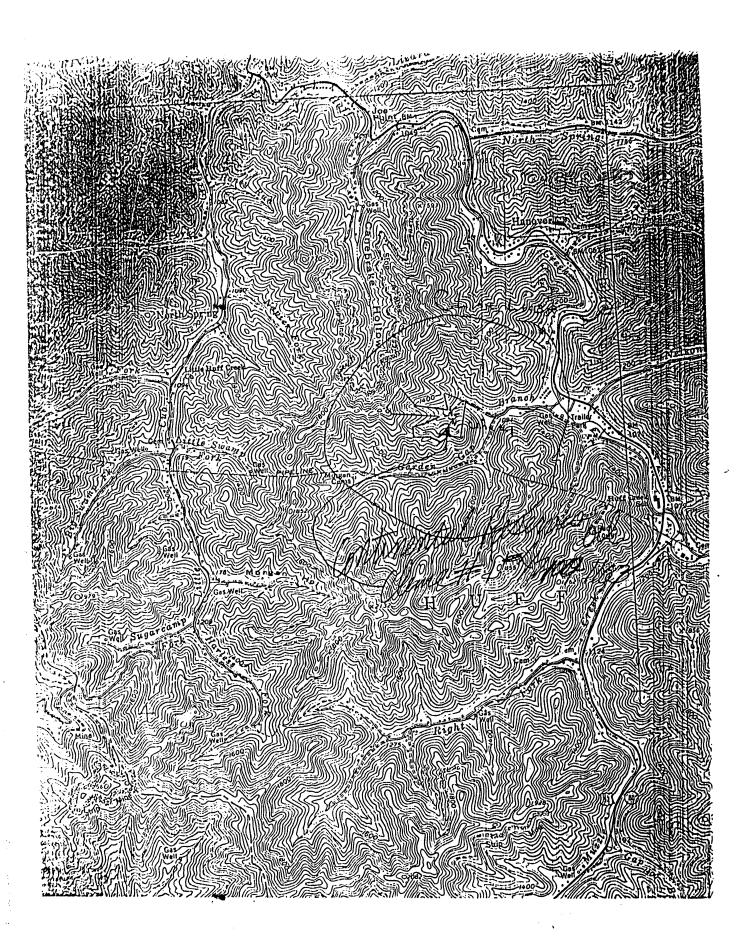
Please note that the settling time for the Continental Reserve Well Cline #1-R API #47-109-1283 was only 2 days. The reason for this was that the Company was ready to commence reclamation and the DOE Inspector gave J.W. Pit Disposal permission to shorten the settling time as allowed by the General Permit for a Category One Pit.

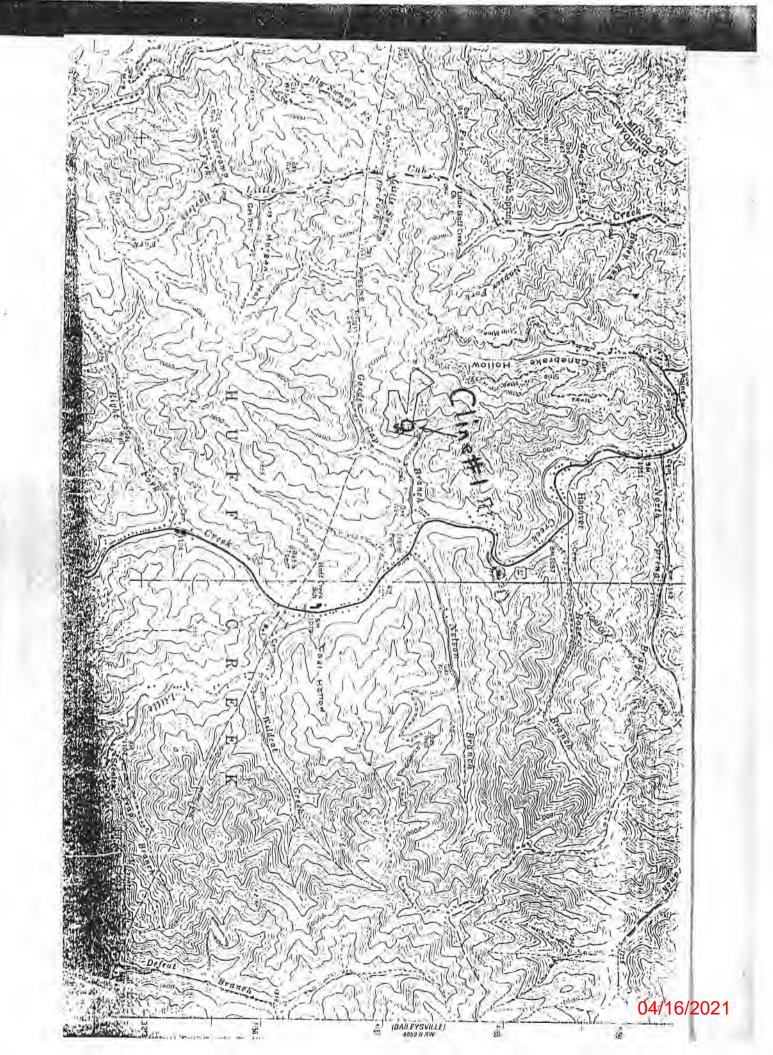
If you have any questions or need more information, please call me at 756-9215. Thank-you for your time and consideration concerning this matter.

Sincerely,

John B. Wilcox President







Continental Reserves Oil Company Oil and Gas Exploration

SEPTEMBER 18, 1992

JAMIL TIEVENS
OFFICE OF OIL & GAS
DIV. OF ENVIRONMENTAL PROTECTION
#10 MCJUNKIN DRIVE
NITRO, WV 25143

JAMIE:

ENCLOSED YOU WILL FIND THE REVISED PLAT AND REC. PLAN FOR OUR CLINE #1(R), HUFF CREEK DISTRICT IN WYOHING CO. API # 47-109-1283.

IF YOU HAVE ANY QUESTIONS, PLEAST FEEL FREE TO CALL.

Juste El

LINDA E. ALDRIDGE OFFICE MANAGER

Office of Oil &

