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

September 15, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8703356, issued to EVERETT, RALPH W., 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 penalities 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: 1
Farm Name: BUCHANAN, DAVID
API Well Number: 47-8703356
Permit Type: Plugging
Date Issued: 09/15/2015

Promoting a healthy environment.

8703356P

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

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.

west virginia department of environmental protection

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

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

September 14, 2015

Tim and Stacy Callow
2013 Clay Road
Spencer, WV 25276

Re: Permit Application for API: 47-087-03356 Plugging

Dear Mr. and Mrs. Callow:

The Office of Oil and Gas (OOG) has completed its review of the above referenced permit application submitted by Ralph W. Everett. The Roane County oil and gas inspector examined the site to ensure compliance with all applicable requirements of Article 6, Chapter 22 of the West Virginia Code and Legislative Rule Title 35, Series 4. Also, your comments were sent to the applicant to ensure it was aware of your concerns. The applicant's response is enclosed for your records.

After considering your comments, the applicant's response, and the inspector's findings, the OOG has determined that the application meets the requirements set forth in the above statute and legislative rule. Consequently, the OOG is issuing the permit today. For your information and convenience, I am including with this letter a copy of the permit as issued.

As you may know, surface owners are entitled to compensation for damages to their property resulting from oil and gas drilling activity. Absent an agreement by the parties, such damage compensation may be addressed pursuant to Article 7, Chapter 22 of the West Virginia Code. Please contact Gene Smith at (304) 926-0499, extension 1652 if you have questions.

Sincerely,

Jeffrey W. McLaughlin
WV DEP Office of Oil & Gas
Technical Analyst
B. S. Of Petroleum Engineering

Enclosure
cc: Ralph W. Everett
Joe Taylor, OOG Inspector

87-03356P

June 6, 2015

This notification of well being plugged was received on June 3, 2015. We signed certified letter notification on June 1 and postal service delivered letter on June 3rd.

This letter in regards to well #1 located on property of Tim and Stacy Callow located at address of 2013 Clay Road, Spencer, WV 25276. Driller is Ralph w. Everett of Tulsa, Oklahoma. Well is located in Roane County, Spencer district, elevation 941GR, watershed Spring Creek, and quadrangle Spencer 7.5, API 47-087-3356. Our phone number is 304-519-5228.

We are requesting that land be returned to original condition with grass seeding with no grass types to be used that are known to be dangerous to livestock and horses. We are requesting if land is accessed via route 36 entrance into property, that road returned to drivable condition with gravel replacement for any wear and tear causing road to be worse than current condition. We have documentation of road improvements that were made approximately 5 years ago and State Road currently maintains six tenths of approximately mile long roadway designated as 36/1. We are also requesting that David Buchanan II be removed as designated agent as he is land owner of neighboring property and of relation. We requesting this to limit family issues and/or disagreements.

The access road shown on the survey completed in 1980 no longer exists due to disuse and currently part of our pasture. There is a 10 foot gate located at entrance of access road off of Short Cemetery Road, tree removal would be required for larger equipment to enter this entrance.

The property currently has 8 head of cattle present owned by James Hill of Reedy, WV with intact barbed wire fencing. If cattle were injured, lost, or killed in plugging process we are requesting that Mr. Hill would be compensated for damages and/or loss. We also have two horses and one miniature mule which we would anticipate compensation for injury and/or loss. David Buchanan II has one miniature pony on property. We also wish for any damage to fencing and gates be returned to original condition if removal is needed for equipment to access property.

Received
Office of Oil & Gas
JUN 08 2015

Stacy R Callow Stacy R Callow 6/6/2015. Tim Callow [signature] 6/6/15

June 6, 2015

87-0335GP

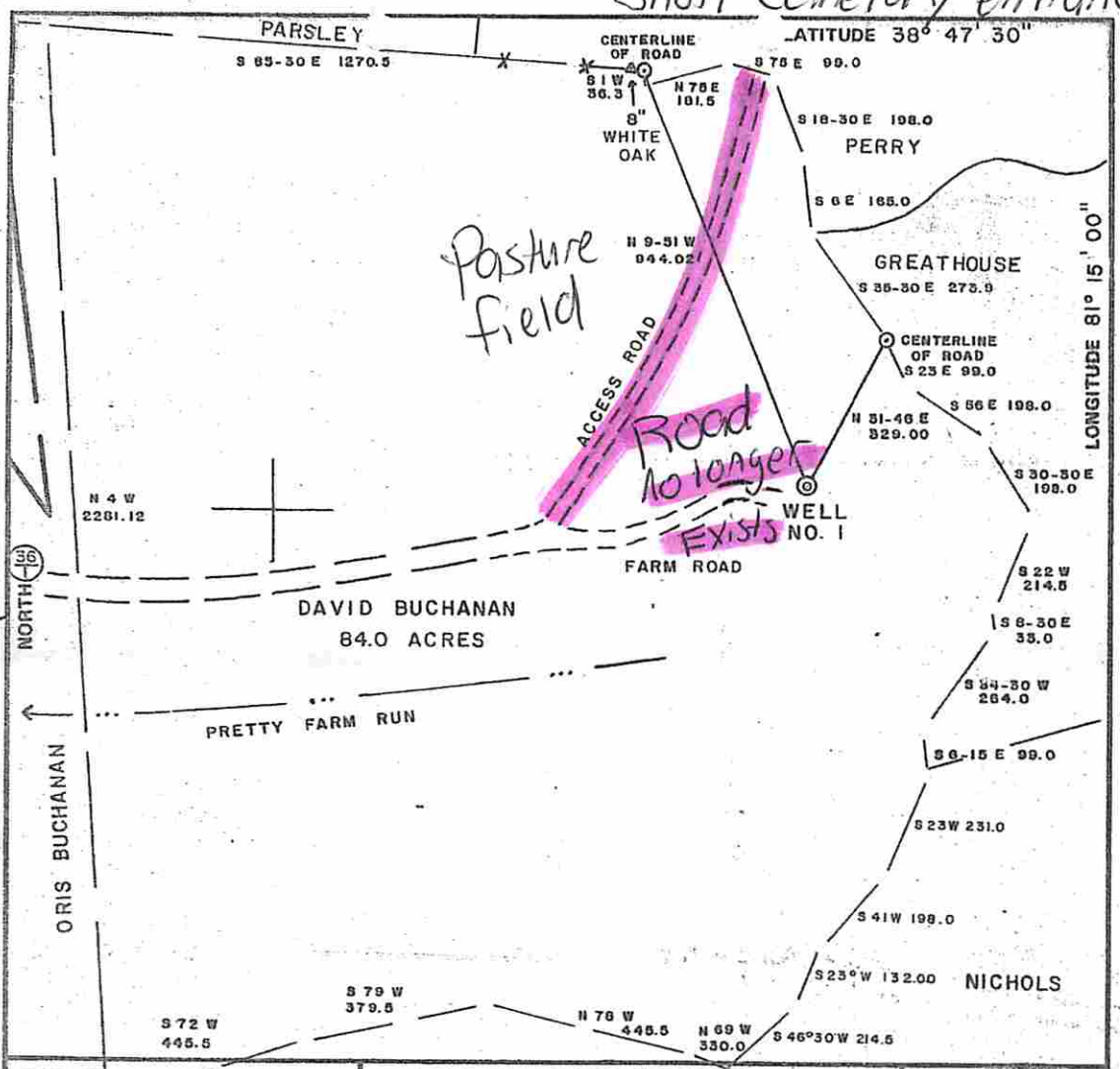
We would also wish that monument location marker be at ground level to allow adequate ability for us to bush hog area to limit damage to equipment and be to expand pasture. We also would like for removal and replacement of contaminated soils from tank leakage to prevent poisoning of livestock via soil and/or water contamination.

Stacy R. Callow S R Callow 6/6/15

Tim Callow T E Callow 6/6/15

Received
Office of Oil & Gas
JUN 08 2015

Short Cemetary entrance 8703356P



RT 36 entrance

FILE NO.
DRAWING NO.
SCALE 1" = 300'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SPOT TOP OF HILL 270' NORTH OF PROPERTY

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Gregory A. Smith
R.P.E. ____ L.L.S. 677

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA LAND SURVEYOR PLACE SEAL HERE

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

FORM IV-6
(8-78)

DATE JULY 22, 1980
OPERATOR'S WELL NO.
API WELL NO.
47 - 087 - 03356
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL X GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 941' WATER SHED PRETTY FARM RUN
DISTRICT SPENCER COUNTY ROANE
QUADRANGLE SPENCER 7.5'
SURFACE OWNER DAVID & NANCY BUCHANAN ACREAGE 84
OIL & GAS ROYALTY OWNER RUTH EVERETT LEASE ACREAGE 84
LEASE NO. ___
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2250
WELL OPERATOR RALPH W EVERETT DESIGNATED AGENT HAYS & COMPANY
ADDRESS 13405 GREEN VALLEY DRIVE ADDRESS P.O. BOX 590
OKLAHOMA CITY OK73120 SPENCER, W.V. 25276

H. T. HALL

Received
Office of Oil & Gas
JUN 08 2015

8703356P

McLaughlin, Jeffrey W

From: Lynn <lynndeverett@gmail.com>
Sent: Sunday, August 09, 2015 8:57 PM
To: McLaughlin, Jeffrey W
Cc: Lynn Everett
Subject: Plugging Permit Application (API 87-03356)

August 10, 2015

Attn: Mr Jeff McLaughlin
WV Dept. of Environmental Protection
Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304

Dear Jeff,

This memorandum is submitted per your request for response to surface owners Tim and Stacy Callow's letter dated June 16, 2015. Responses addressing their individual concerns are as follows:

A. Well site and tank battery area:

1. A vacuum truck will be used to remove all fluids from the storage tanks before loading and hauling the tanks to an off lease site for salvage. Similarly, any well bore fluids containing oil or salt water that is displaced from the hole during plugging operations will be recovered and hauled off lease for disposal.

2. Their desire that the location marker be at ground level is a valid request.

3. Any soil that is barren due to contamination (and not erosion) could be removed down to plow depth (12 to 15 inches) and buried below plow depth on the well site area. Soil from the burial hole would then be used to fill the holes dug. Disturbance of established grasses would be minimized by this approach.

4. Landowners concern about grass seed chosen for restoration of well site is valid and I will obtain his concurrence on the type of grass seed used.

B. Access to Well, Precautions, Etc.

1. Landowner has accurately described the two access roads to well site. Access route has not been decided by operator. Operator's intent is to conduct operations during dry season of year to minimize damage to either route chosen. If the route 36 entrance to the property is chosen, the private road condition would be confirmed prior to equipment move-in. Following completion of plugging operations and equipment removal, that road would be returned to drivable condition with gravel replacement to restore the previous condition.

2. Plugging contractors personnel will be told to close all gates opened after moving equipment through the gates. Contractor will be advised of their financial liability for injury, death or loss of

any livestock due to negligence by contractors personnel.

3. Landowners' request that David Buchanan ll be removed as designated agent is a non-issue. David Buchanan ll will not be supervising the operations and has no reason to be on the property during said operations. The need for a designated agent ends upon the completion of the plugging and abandonment.

Apologies for the delay. If you have any questions, feel free to give me a call at (918) 481-5874

Sincerely,

Ralph W. Everett
6525 East 89th Place
Tulsa, Oklahoma 74133

8703356 P

WW-4B
Rev. 2/01

1) Date May 29, 2015
2) Operator's Well No. 1 (one)
3) API Well No. 47- 087 - 3356

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 X / Gas ____ / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production ____ or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 941 GR Watershed Spring Creek
District Spencer County Roane Quadrangle Spencer 7.5

6) Well Operator Ralph W. Everett
Address 6525 E 89th PL
Tulsa, OK 74133

7) Designated Agent David Buchanan II
Address 2011 Clay Road
Spencer, WV 25276

8) Oil and Gas Inspector to be notified
Name Ed Gainer
Address P.O. Box 821
Spencer, WV 25276

9) Plugging Contractor
Name Not Determined
Address ____

• MAKE SURE 6% GEL SPACERS ARE PLACED BETWEEN ALL CEMENT PLUGS. •

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

1. MI&RU casing pulling unit & circulating pit, etc. Pull rods, pump and tubing.
2. Run tubing & wash hole clean below perfs at 2105'- 13'. Spot a 100 ft balanced cement plug. Pull tbg above plug to1850'(+/-) & SD for night. Confirm plug top before pulling tubing from hole
3. Install lift joint on 4-1/2" casing. Rig up wireline unit. Pull tension on casing & determine the free point. Cut off the 4-1/2" casing & pull wireline tools from hole. Pull the 4-1/2" casing from hole.
4. Run tubing open ended to top of 4-1/2" casing stub & spot a balanced 100 ft cement plug.
SET 100' CLASS A CEMENT PLUG FROM 900'-800'.
SET CLASS A CEMENT PLUG FROM 300' TO SURFACE. Confirm plug placements as requested.
5. Install monument or marker describing well bore identity as required by law.

RECEIVED
Office of Oil and Gas
JUN 10 2015
WV Department of
Environmental Protection

* MAKE SURE 100' CLASS A CEMENT PLUG HAS A TOP OF AT LEAST 2000'.
* 100' CLASS A CEMENT PLUG ACROSS CASING CUT @ ≈ 1600'.

GEL IS DEFINED AS FRESH WATER W/ A MINIMUM OF 6% BENTONITE (BY WEIGHT).

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

Work order approved by inspector _____ Date 6/9/15

OG-10
Rev. - 9-71

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary X Oil X
Cable ____ Gas ____
Recycling ____ Comb. ____
Water Flood ____ Storage ____
Disposal ____ ____ (Kind)

Quadrangle Spencer 7.5'

Permit No. 47-087-3356

Company Ralph W. Everett
Address Oklahoma City, Oklahoma
Farm Buchannan Acres 84
Location (waters) Pretty Farm Run
Well No. ____ Elev. 941 GL
District Spencer County Roane
The surface of tract is owned in fee by
David Buchanan
Address Spencer, W. Va.
Mineral rights are owned by Ruth Everett
Address Midland, Texas
Drilling Commenced October 4, 1980
Drilling Completed October 9, 1980
Initial open flow ____ cu. ft. ____ bbls.
Final production 30,000 cu. ft. per day 5 bbls.
Well open ____ hrs. before test ____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	250'	250'	82 cf (70 sx)
7			
5 1/2			
4 1/2	2203'	2203'	143cf (90 sx)
3			
2	2113'	2113'	
Liners Used			

Attach copy of cementing record.

Well treatment details:

Perforated Big Injun Sand @2105-13 W/17 - 0.39" holes. Broke Perforations down w/500 gals 15% HCI NE acid and hydraulicly fractured w/22,000 gals. Dowell YF4PSD crosslink polymer fluid plus 30,000 lbs 80/100 mesh sand and 60,000 lbs 20/40 mesh sand.

Received
Office of Oil & Gas
JUN 15 2015

Coal was encountered at ____ Feet ____ Inches
Fresh water ____ Feet ____ Salt Water ____ Feet ____
Producing Sand Big Injun Sand Depth 2101 -2116

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & sands			Surface	1744		
Sand			1744	1890		
Shale & lime			1890	2004		
Greenbrier Limestone			2004	2094	Oil & Gas Show @ 2065	*
Shale			2094	2101		
Sand (White)			2101	2116	Oil & Gas	*
Shale			2116	2126		
Sand			2126	2136	Water	
Shale & sandy shale			2136	2210	Total Depth	

(over)

* Indicates Electric Log tops in the remarks section.

8703356 P

WW-4A
Revised 6-07

1) Date: May 29, 2015
2) Operator's Well Number 1 (one)
3) API Well No.: 47 - 087 - 3356

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name Tim Callow
Address 2825 Parkersburg Road
Reedy, WV 25270

(b) Name
Address

(c) Name
Address

6) Inspector Ed Gainer
Address P.O. Box 821
Spencer, WV 25276
Telephone 304 - 389 - 7582

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

(c) Coal Lessee with Declaration
Name
Address

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.

DEBORAH ROCK
Notary Public in and for
STATE OF OKLAHOMA
Commission # 11006201
Expires: July 11, 2015

Well Operator Ralph W. Everett
By: Ralph W. Everett
Its: Operator
Address 6525 E 89th PL
Tulsa, OK 74133
Telephone 918 - 481 - 5874

Received
Office of Oil & Gas
JUN 08 2015

Subscribed and sworn before me this 29th day of May 2015
Deborah Rock Notary Public
My Commission Expires 7-11-2015

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 depprivacyoffier@wv.gov.

8703356P

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tim Callows
2825 Parkersburg Rd
Reedy, WV 25270

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Callows ☑ Agent ☐ Addressee

B. Received by (Printed Name) Callows
C. Date of Delivery 6-3-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☑ No

3. Service Type
☐ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7013 2250 0001 7829 9572

PS Form 3811, July 2013 Domestic Return Receipt

Received
Office of Oil & Gas
JUN 08 2015

8703356P

WW-9
(2/15)

API Number 47 - 087 - 3356
Operator's Well No. 1 (one)

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ralph W. Everett OP Code 307261

Watershed (HUC 10) Spring Creek Quadrangle Spencer 7.5

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

Will a pit be used? Yes ☐ No ☑

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes ☐ No ☐ If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
_____ 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: steel pits c/w circ. pumps, mixers & injection pump/skid

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. 6%gelled freshwater

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

Additives to be used in drilling medium? bentonite

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. excess medium to be moved offsite(*)

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

-Landfill or offsite name/permit number? * Note: contractor to arrange disposal site as required.

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 Ralph W. Everett

Company Official (Typed Name) Ralph W. Everett

Company Official Title Operator

Subscribed and sworn before me this 29th day of May, 20 15

Deborah Rock Notary Public

My commission expires 7-11-15

Received
Office of Oil & Gas
JUN 08 2015

DEBORAH ROCK
Notary Public in and for
STATE OF OKLAHOMA
Commission # 11006201
Expires: July 11, 2015

8703356P

Form WW-9

Operator's Well No. 1 (one)

Ralph W. Everett

Proposed Revegetation Treatment: Acres Disturbed 0.5 (est.) Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH 6.5

Fertilizer type 10 - 20 - 20 or equal

Fertilizer amount 600 lbs/acre

Mulch 2 (two) Tons/acre

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Office of Oil and Gas
JUN 10 2015
WV Department of
Environmental Protection

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
~~Kentucky 31 Fescue~~	~~30~~	Birdsfoot trefoil	12
Orchard Grass			
Timothy			
Ladino Clover			
Annual Rye			

Attach:

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

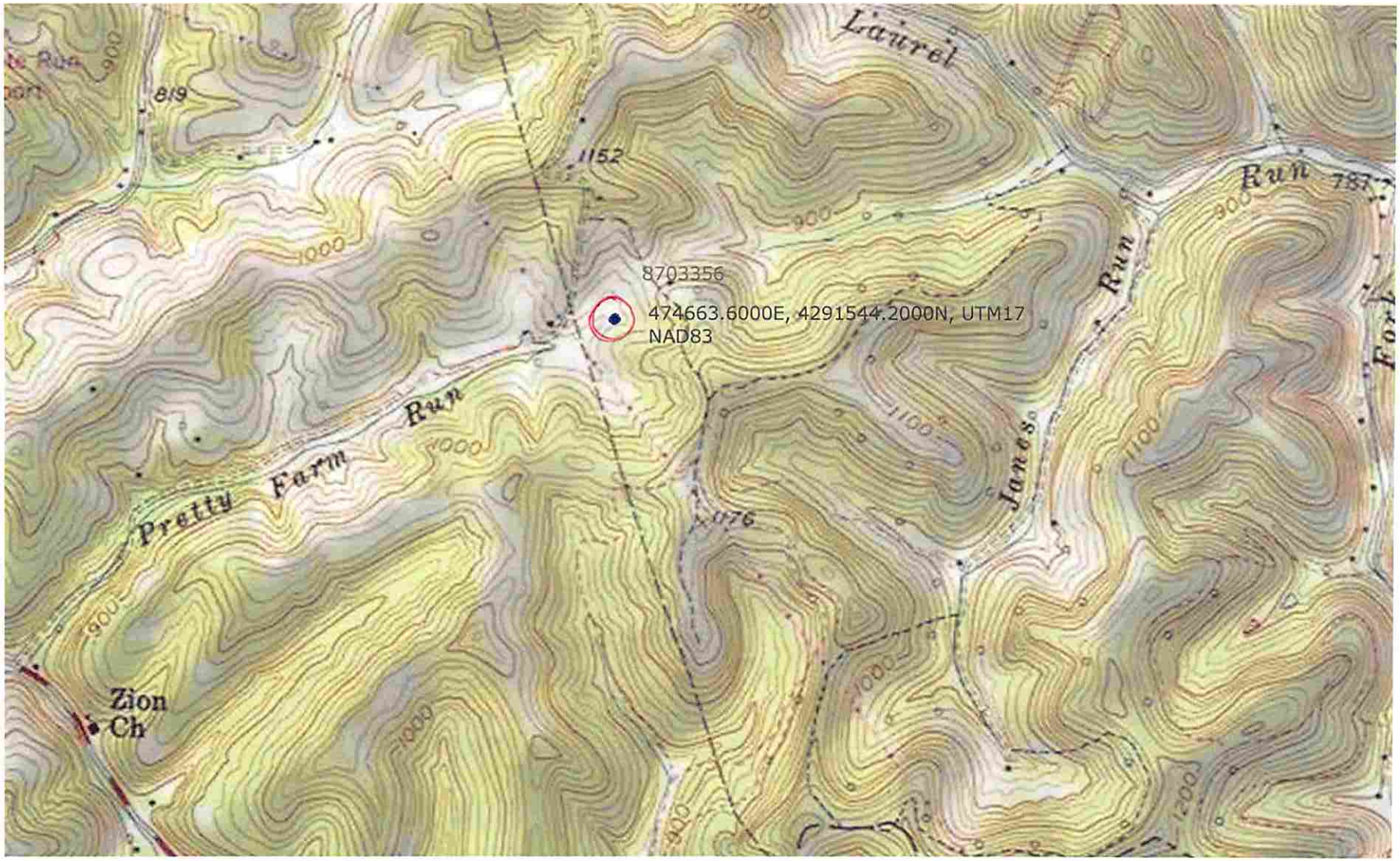
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: Inspector Date: 6/9/15

Field Reviewed? (X) Yes ( ) No


Laurel
Run
Pretty Farm Run
Janes Run
Zion Ch
8703356
474663.6000E, 4291544.2000N, UTM17
NAD83
819
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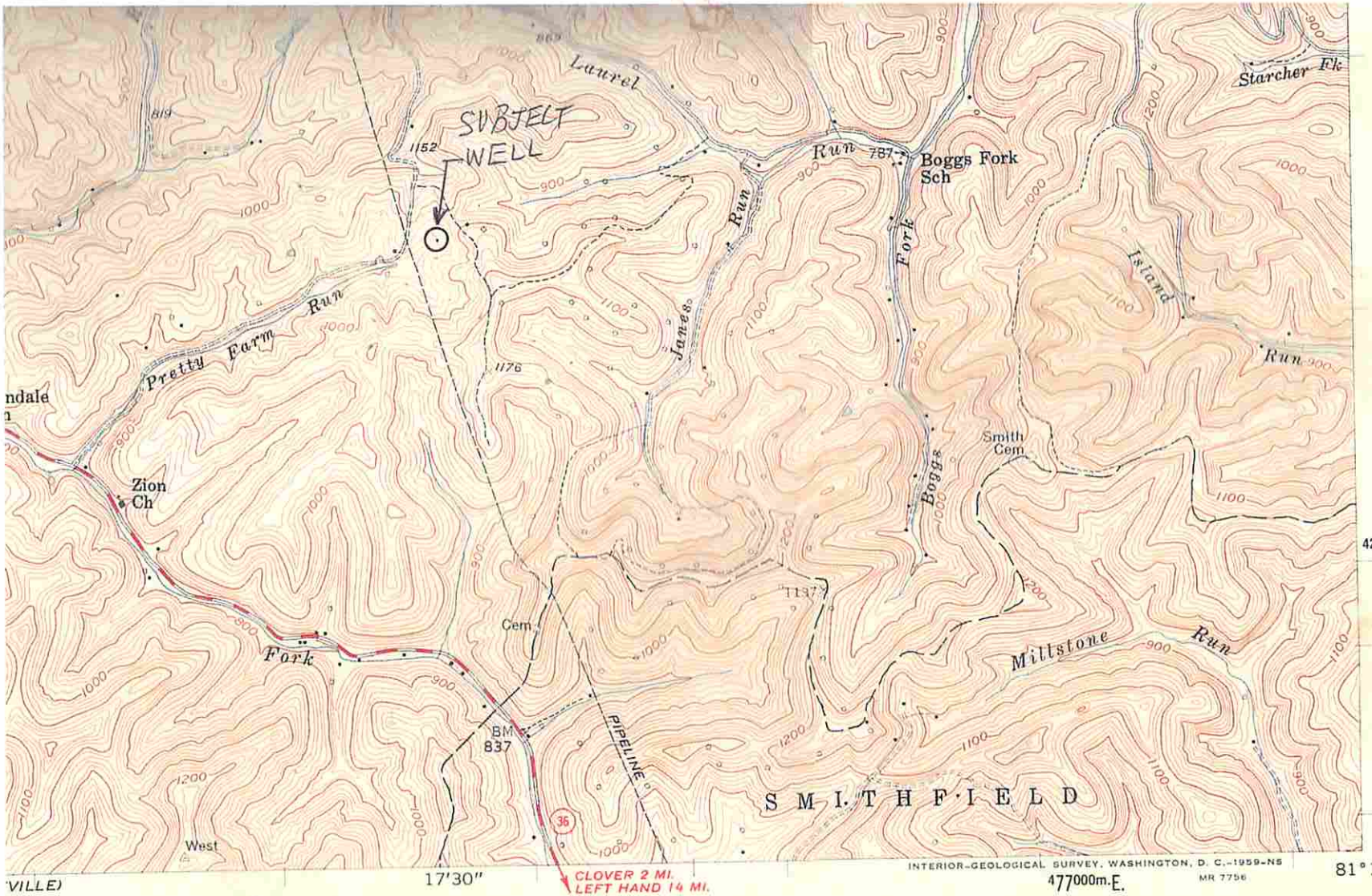
8703356P



4290000m.N.

38°45'

81°15'

17'30"

477000m.E.

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.-1959-NS

MR 7756

(OTTER 1:62 500)

24000

1 MILE

4000 5000 6000 FEET

1 KILOMETER

RVAL 20 FEET

N SEA LEVEL

NAL MAP ACCURACY STANDARDS

SURVEY, WASHINGTON 25, D. C.

AND SYMBOLS IS AVAILABLE ON REQUEST

Received
Office of Oil & Gas
JUN 08 2015

W. VA.

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty

Medium-duty

Light-duty

Unimproved dirt

U. S. Route

State Route

SPENCER, W. VA.

SE/4 SPENCER 15' QUADRANGLE

N3845—W8115/7.5

1957

8703380

8703356P

WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 087 - 3356 **WELL NO.:** 1 (one)

FARM NAME: David Buchanan

RESPONSIBLE PARTY NAME: Ralph W. Everett

COUNTY: Roane **DISTRICT:** Spencer

QUADRANGLE: Spencer 7.5

SURFACE OWNER: Tim Callum

ROYALTY OWNER: Ralph W. Everett (1/2) & Sandra K. Davis (1/2)

UTM GPS NORTHING: 4,291,544.2 = 38°46'20.14"

UTM GPS EASTING: 474,663.6 = -81°17'30" **GPS ELEVATION:** 286.817 = 941 ft.

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS ____: Post Processed Differential _____

Real-Time Differential _____

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

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Received
Office of Oil & Gas
JUN 15 2015

Ralph W. Everett — Signature
Operator — Title
6/11/2015 — Date

8703356P

DATE: June 11, 2015
ATTN: Wade Stansberry

Received
Office of Oil & Gas
JUN 15 2015

RE: Data Request
David Buchanan Well No. 1
API No. 47-087-3356
Roane County, WV

Enclosed are (1) a signed copy of Form WW-7, (2) a copy of the Well Record submitted, and (3) a copy of the Compensated Density Log with caliper for the interval 1760' to total depth.

For your entry on Form WW-7 are the following data items:
(a) Well Location is 38°46'20.14" Latitude North and 81°17'30" Longitude West.
(b) Well Elevation is 286.817 meters (metric).

Call me at (918) 481-5874 if there are any questions.

Sincerely,
Ralph W. Emmett

8703356P

CEMENTING SERVICE REPORT SUPPLEMENT LOG

DWL-496-L PRINTED IN U.S.A

DOWELL DIVISION OF DOW CHEMCIALS
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER 1-12-3356 | DATE 10-8-80
AGE | DOWELL DISTRICT Glenville

WELL NAME AND NO. Buchanan #1 | LOCATION (LEGAL) Boggs Fork
FIELD-POOL | FORMATION
COUNTY/PARISH Roane | STATE WVa. | API. NO. 3356

NAME Ralph Everett
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS

RIG. NAME: Stalwaker

WELL DATA:

		A	B	C	D
BIT SIZE 7 7/8	CSG/LINER SIZE				
TOTAL DEPTH 2210	WEIGHT	4 1/2	10.50	#	
☐ ROT ☐ CABLE	TOP	GL + 6'			
MUD TYPE	BOTTOM	2203			
☐ BHST ☐ BHCT	GRADE				
MUD DENSITY	THREAD	Rnd.			TOTAL
MUD VISC.	CAPACITY	33			

HEAD & PLUGS ☐ TBG ☐ D.P.		SQUEEZE JOB	
☐ DOUBLE	SIZE	TOOL TYPE	
☑ SINGLE	☐ WEIGHT	TOOL DEPTH	
☐ SWAGE	☐ GRADE	TAIL PIPE: SIZE	DEPTH
☑ KNOCKOFF	☐ THREAD	TUBING VOLUME	Bbls
TOP ☑ R ☐ W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐ R ☐ W	DEPTH	TOTAL	Bbls
Latch		ANNUAL VOLUME	Bbls

FLOAT	TYPE	Latch insert	STAGE TOOL	TYPE	
	DEPTH	2183		DEPTH	
SHOE	TYPE	Flap. Float		TYPE	
	DEPTH	2203		DEPTH	

PRESSURE LIMIT 3500 PSI | BUMP PLUG TO 1250 PSI
ROTATE RPM | RECIPROCATE FT | NO. OF CENTRALIZERS 4

JOB SCHEDULED FOR TIME: 2300 DATE 10-8-80 | ARIVED ON LOCATION TIME: 2300 DATE 10-8-80 | LEFT LOCATION TIME: DATE:

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
2300								PRE-JOB SAFETY MEETING Tail Gate Meeting.
								Spot Trucks Hook up.
2345			5	5				Break Circulation
			35	30				Pump 30 Bbl 5% Gel W/ 1 sk. Flake
			40	5				" 5 " Water
			68	28				" 90 sks R.F. Cement
2400								Wash out lines Drop Plug.
10-9-80			104	34.7				Follow Plug W/ 34.7 Bbl Water
0015		1250						Plug down + Holding.
								Rig down + Wash up.
								Leave Loc.

REMARKS

Received
Office of Oil & Gas
JUN 15 2015

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	90	1.29	R.F. Cement (10-1)	27	14.8
2.					
3.					
4.					
5.					
6					

BREAKDOWN FLUID: TYPE | VOLUME | DENSITY
☐ HESITATION SQ ☐ RUNNING SQ
BREAKDOWN PSI | FINAL PSI
WASHED THRU PERFS ☐ Yes ☐ No | TO FT

CIRCULATION LOST ☐ YES ☑ NO
DISPLACEMENT VOL. 34.7 Bbls
MEASURED DISPLACEMENT ☑ ☐ WIRELINE

PRESSURE MAX: 1250 MIN:
CEMENT CIRCULATED TO SURF. ☐ YES ☑ NO
TYPE OF WELL ☐ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT

PERFORATIONS:
TO TO
TO TO

CUSTOMER REPRESENTATIVE

DOWELL SUPERVISOR T.W. Kirchberg

8703356P

CEMENTING SERVICE REPORT
SUPPLEMENT LOG

DWL-496-L PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMCIALS
A OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER: DTC-2827 | DATE: 10-5-80
AGE | DOWELL DISTRICT

WELL NAME AND NO.	LOCATION (LEGAL): Spencer
FIELD-POOL	FORMATION
COUNTY/PARISH: Roane	STATE: W. Va.	API. NO.

NAME: Ralph Everett
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS: Cement 5 1/2 casing

RIG. NAME: Gene Stalnaker

WELL DATA:

	A	B	C	D
BIT SIZE 11"	CSG/LINER SIZE: 5 1/2			
TOTAL DEPTH 2501	WEIGHT: 20			
☒ ROT ☐ CABLE	TOP: G.L.			
MUD TYPE	BOTTOM: 2428			
☐ BHST ☐ BHCT	GRADE: New			
MUD DENSITY	THREAD: 8 Rd			TOTAL
MUD VISC.	CAPACITY: 16 BBL			

HEAD & PLUGS	☐ TBG ☐ D.P.	SQUEEZE JOB	
☐ DOUBLE	SIZE	TOOL: TYPE	
☐ SINGLE	☐ WEIGHT	DEPTH	
☒ SWAGE	☐ GRADE	TAIL PIPE: SIZE	DEPTH
☐ KNOCKOFF	☐ THREAD	TUBING VOLUME	Bbls
TOP ☐ R ☐ W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐ R ☐ W	DEPTH	TOTAL	Bbls
		ANNUAL VOLUME	Bbls

FLOAT	TYPE		STAGE TOOL	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	Open Ended		TYPE	
	DEPTH			DEPTH	

PRESSURE LIMIT: 500 PSI | BUMP PLUG TO: PSI
ROTATE: RPM | RECIPROCATE: FT | NO. OF CENTRALIZERS

JOB SCHEDULED FOR TIME: DATE:
ARIVED ON LOCATION TIME: 1445 DATE: 10-5-80
LEFT LOCATION TIME: DATE:

TIME (0001 to 2400)	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1445								PRE-JOB SAFETY MEETING Hook up casing
			15		3			Pump Fresh Water
			15		3			Pump Neat Cement
			16		3			Pump Fresh Water
1550		200						Displacement in
1630								Rack up Wash up leave loc.

Thank you

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JUN 15 2015

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	70	1.18	70 SK Neat w/ 4% Cal	15	15.6
2.					
3.					
4.					
5.					
6.					

BREAKDOWN FLUID: TYPE | VOLUME | DENSITY
☐ HESITATION SQ. ☐ RUNNING SQ.
BREAKDOWN PSI | FINAL PSI
WASHED THRU PERFS ☐ Yes ☐ No | TO FT

CIRCULATION LOST ☐ YES ☒ NO
DISPLACEMENT VOL. 16 Bbls
MEASURED DISPLACEMENT ☒ ☐ WIRELINE

PRESSURE MAX: 200 MIN:
CEMENT CIRCULATED TO SURF. ☒ YES ☐ NO
TYPE OF WELL: ☒ OIL ☒ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT

PERFORATIONS:
TO TO
TO TO

CUSTOMER REPRESENTATIVE

DOWELL SUPERVISOR: L. McCoy

87033569

COMPENSATED DENSITY LOG

WESTON, WEST VIRGINIA

PERMIT # ROANE 3356
47-087

NG NO.

COMPANY RALPH W. EVERETT

WELL DAVID BUCHANAN #1

FIELD SPENCER DIST.

COUNTY ROANE STATE WV

Location:

Sec. Twp. Rge.

Other Services:
INDUCTION
GAMMA RAY
NEUTRON

nent Datum: GROUND LEVEL ; Elev.: 941
easured From KELLY BUSHING, 4 Ft. Above Perm. Datum
g Measured From KELLY BUSHING

Elev.: K.B. 945
D.F.
G.L. 941

No.	10-8-80	10-8-80	10-8-80
Log	ONE	ONE	ONE
—Driller	GAMMA RAY	F.D.C.	CALIPER
—Logger	2210	2210	2210
m logged interval	2180	2180	2180
ogged interval	2173	2178	2178
fluid in hole	1400	1400	1400
inity, PPM Cl.	DRILL FLUID		
nsity			
el			
rec. temp., deg F.			
ating rig time			
ded by	M. SHERRELL		
essed by	MR. R. W. EVERETT		

Bore-Hole Record

Bit	From	To
7 7/8		8

Casing Record

Size	Wgt.	From	To
5/8		0	248

THIS HEADING AND LOG CONFORMS TO API RP 33

Equipment Data

Run No.	Tool No.	Source No.	Panel No.		Logging Unit	Location
1					6	WESTON

Calibration Data

Run No.	Gamma Ray API Scale	Gamma Ray Background CPS	Gamma Ray Std. CPS	CDT Ds CPS AT	CDT 2.0	CDT 3.0	CDT DL CPS AT	CDT 2.0
1	200				498	326		632

Logging Data

Run No.	Depths From	Depths To	Speed Ft/Min	GR TC	
1	2173	1400	30	4	P.F. 1.09
					P.G. 2.71 from 2178 to 1400

Received
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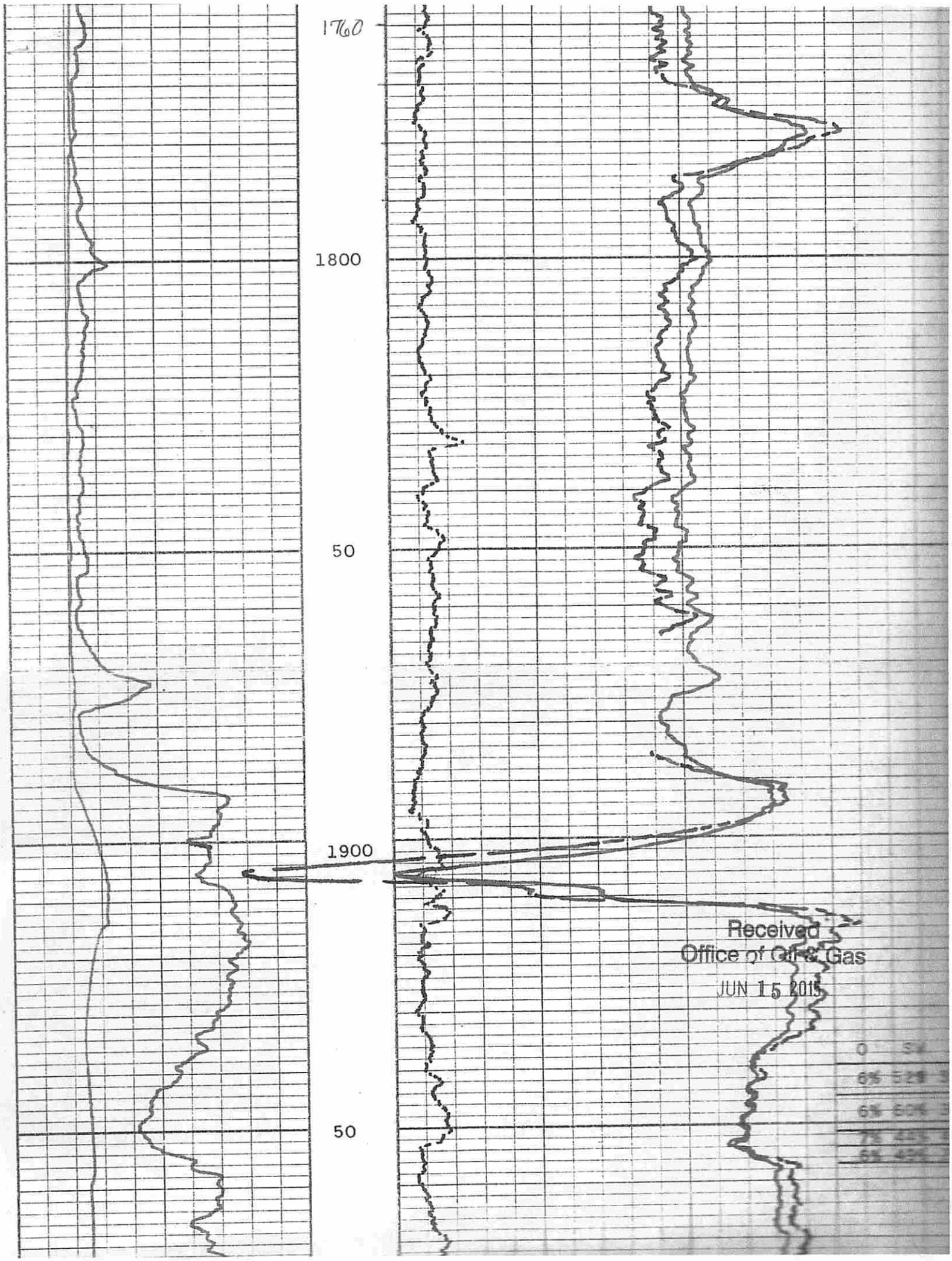
JUN 15 2015

Remarks:

GAMMA RAY
API UNITS
0 200

DEPTHS

BULK DENSITY
GRAMS/CC
30 20 10 0



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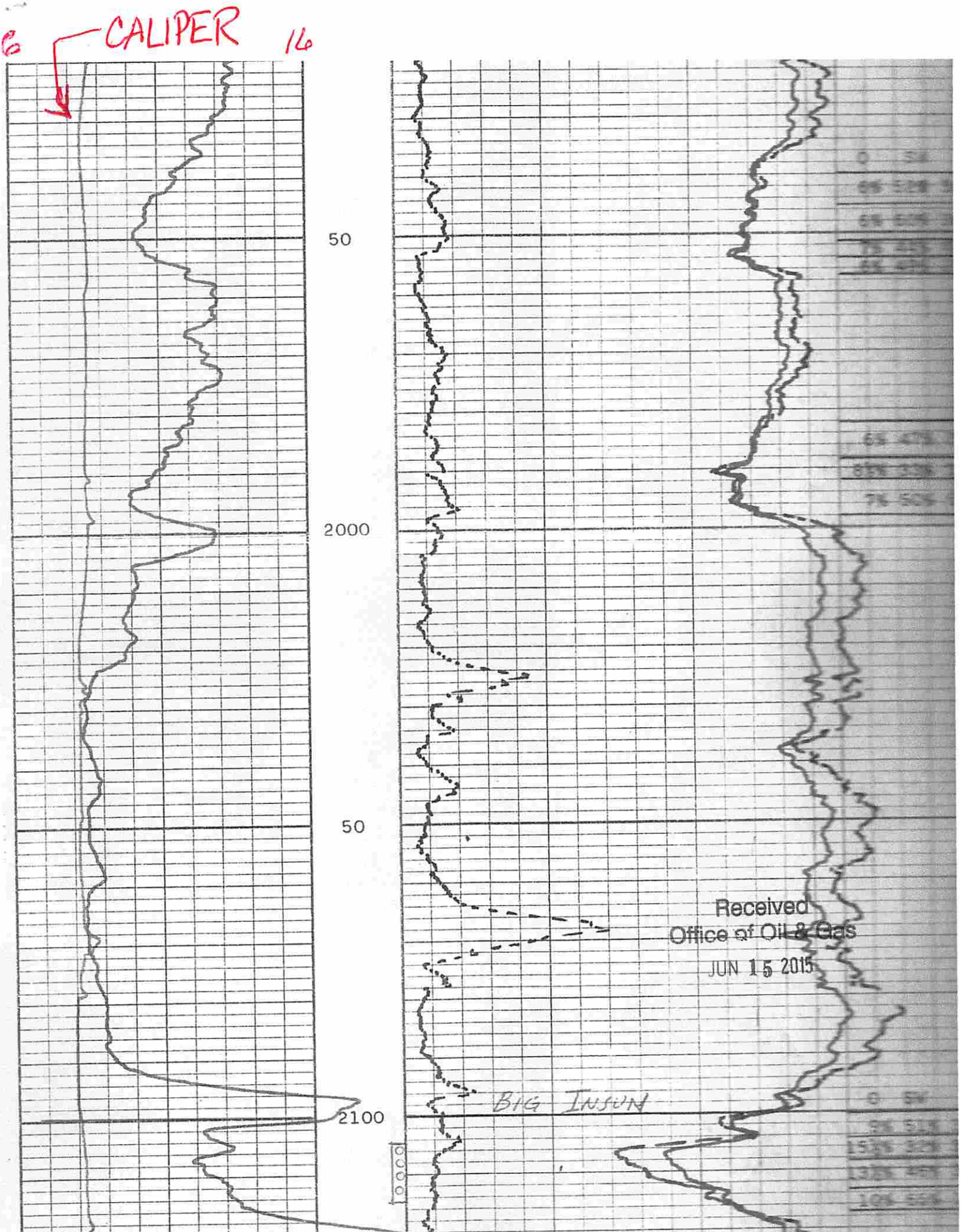

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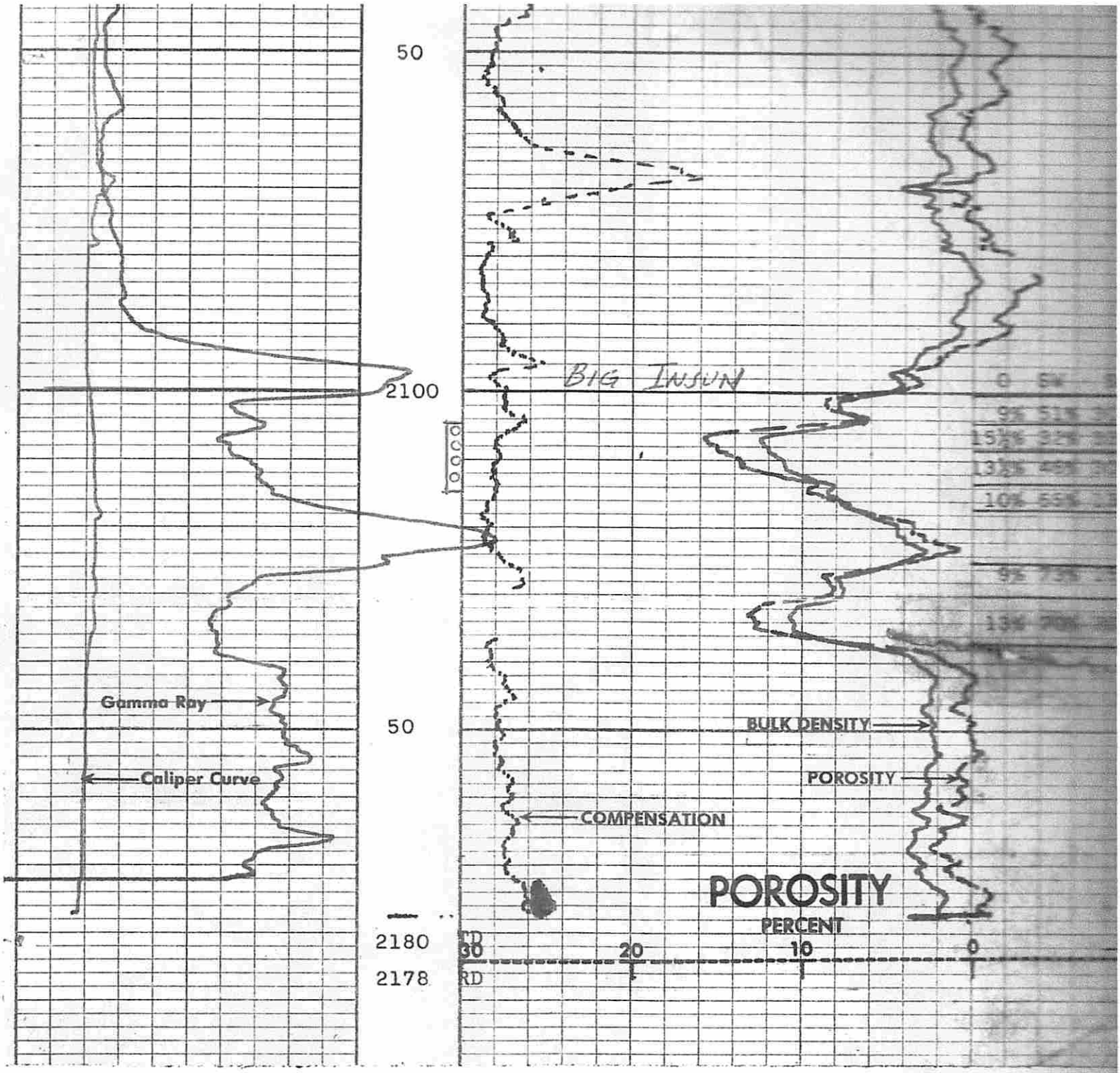

6 16

HOLE SIZE - INCHES

CALIPER

0 200

GAMMA RAY

DEPT

0 +.25

CORRECTION

2.0 GRAMS/CC. 2.5

POROSITY

PERCENT

30 20 10 0

BULK DENSITY

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JUN 15 2015

S/O (OK) JMM
COMMENTS
7/20/15
I
NOW

Operator: EVERETT, RALPH W.

API: 8703356

WELL No: 1

Reviewed by: JMM Date: 7/20/15

15 Day End of Comment: 06/15/15

CHECKLIST FOR FILING A PERMIT

Plugging

- [x] WW-4B
- [x] Inspector signature on WW-4B Received 06/10/15
- [x] Completion / Well Records of Previous Work NOD resolved 06/15/15
- [x] WW-4A (Notarized)
- [x] Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- [ ] Surface Owner Waiver
- [ ] Coal Owner / Lessee /Operator Waiver
- [x] WW-9 (Page 1) (Notarized) Received 06/10/15
- [x] Inspector Signature on WW-9 (Optional)
- [x] Topographic Map of location of well
- [x] WW-7 NOD resolved 06/15/15

OR

- [ ] Mylar Plat (Surface owner on plat matches WW-4A)
- [x] Bond
- N/A Company is Registered with the SOS
- [x] Worker's Compensation / Unemployment Insurance account is OK
- [ ] ~~$100.00 check ($0.00 if no pit)~~

email lynndeverett@

stacyrcallow@yahoo.com