



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Thursday, August 6, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 6276
47-047-01790-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of 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.

Per 35 CSR 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- 0450.

James A. Martin
Chief

Operator's Well Number: 6276
Farm Name: MEGA MINERALS, INC.
U.S. WELL NUMBER: 47-047-01790-00-00
Vertical Plugging
Date Issued: 8/6/2020

Promoting a healthy environment.

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.

1) Date May 14, 2020
2) Operator's
Well No. 6276
3) API Well No. 47-047 - 01790

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 X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 747.14 meters Watershed Elkhorn Creek
District Elkhorn County McDowell Quadrangle Keystone

6) Well Operator Diversified Production, LLC 7) Designated Agent Jessica Greathouse
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gary Kennedy Name R & J Well Services, Inc.
Address 66 Old Church Lane Address P.O. Box 40
Pipestem, WV 25979 Hueysville, WV 41640-0040

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

SEE ATTACHED

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

Work order approved by inspector GARY KENNEDY (by phone) Date 8/06/2020

OK gmm

PLUGGING PROGNOSIS

6276

West Virginia, McDowell County

API# 47-047-01790

Completed by S.T.

Updated 2/10/2020

Casing Schedule:

12 3/4" csg @ 20'

9 5/8" csg @ 221' cemented to surface

7" csg @ 1146' cemented to surface

4 1/2" csg @ 4982' Est TOC @ 3500'. 185 sks

TD 5021'

Fluid Level @ 2280'. Currently feeding 9 mcf/d.

Completion: Frac

- Berea: 4862'- 4868'
- Weir: 4474'- 4484'
- Big Lime: 3921'- 3927'
- Maxton: 2256'- 2264'

Fresh Water: None**Gas Shows:** Maxon 2256'-2264', Big Lime 3921-3927, Weir 4474'-4484', Berea 4862'-4868'**Oil Shows:** None**Coal:** 145'**Elevation:** 2458'

1. Notify Inspector, Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline
4. Kill well w/ 6% bentonite Gel. Pump a minimum of 10 bbls.
5. TIH w/ tbg to 4868'. Pump 106' C1A cement plug from 4868'-4762' (Berea Gas Show). ^{4 HOURS} WOC, TAG CEMENT, ADD IF NEEDED.
6. TOOH w/ tbg to 4762'''. Pump 6% bentonite gel from 4762'-4484'.
7. TOOH w/ tbg to 4484'. Pump 110' C1A cement plug from 4484'-4374' (Weir Gas Show).
8. TOOH w/ tbg to 4374'. Pump 6% bentonite gel from 4374'-3927'.
9. TOOH w/ tbg to 3927'. Pump 106' C1A cement plug from 3927'-3821' (Big Lime Gas Show).
10. TOOH w/ tbg to 3821'. Pump 6% bentonite gel from 3821'-2458'. TOOH LD Tbg
11. Free Point 4 1/2" csg. Cut and pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed
12. TIH w/ tbg to 2458'. Pump 100' C1A cement plug from 2458'-2358' (Elevation).
13. TOOH w/ tbg to 2358'. Pump 6% bentonite gel from 2358'-2256'.
14. TOOH w/ tbg to 2264'. Pump 108' C1A cement plug from 2264'-2156' (Maxon Gas Show).
15. TOOH w/ tbg to 2156'. Pump 6% bentonite gel from 2156'-195'.
16. TOOH w/ tbg to 195'. Pump 195' C1A cement plug from 195'-0' (Coal and surface). TOOH LD tbg.
17. Erect monument with API#, date plugged, and company name.
18. Reclaim location and road to WV-DEP specifications.

15a. Add 100' C1A CEMENT PLUG ACROSS 7" CASING SHOE 50' BELOW / 50' INSIDE.

WR-35
Rev (5-01)

DATE: 01/30/2004
API #: 47 047 01790

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Biggs

Well Operator's Report of Well Work

Farm name: Mega Minerals, Inc Operator Well No.: 6276

LOCATION: Elevation: 2458.38' Quadrangle: Keystone, WV 7.5 Min.

District: Blkhorn County: McDowell
Latitude: 13805 Feet South of 37 Deg. 25 Min. 00 Sec.
Longitude 2320 Feet West of 81 Deg. 25 Min. 00 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cn. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Ronald Scott				
Date Permit Issued: 05/02/2003				
Date Well Work Commenced: 11/04/2003	12 3/4"	20'	20'	Sand In
Date Well Work Completed: 11/18/2003				
Verbal Plugging: N/A	9 5/8"	221'	221'	100 sks
Date Permission granted on: N/A				
Rotary X Cable Rig	7"	1146'	1146'	190 sks
Total Depth (feet): 5023'				
Fresh Water Depth (ft.): N/A	4 1/2"	4982'	4982'	185 sks
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A <u>145'</u>				

OPEN FLOW DATA

Producing formation Berea Weir Pay zone depth (ft) 4862-4868'
4474-4484'
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 1.5MMMCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static rock Pressure 700 psig (surface pressure) after 12 Hours
Big Lime 3921-3927
 Second producing formation Maxon Pay zone depth (ft) 2256-2264'
 Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d
 Final open flow * MCF/d Final open flow * Bbl/d
 Time of open flow between initial and final tests * Hours
 Static rock Pressure * psig (surface pressure) after * Hours

RECEIVED
Office of Oil and Gas
Chief of Office
FEB 18 2004
WV Department of
Environmental Protection

*Commingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Rodney J. Biggs
By: Rodney J. Biggs
Date: 2/11/04

McDow 1790

Page 2

WELL 6276**11/18/2003 PLAN TO FRAC TODAY**

BEREA 4862' - 4868' (19 HOLES) - 70Q FOAM FRAC - 15,200 LB SAND,
 93 BBL FLUID, 186,000 SCF N2, 500 GAL 15% HCL IN FLUSH FOR 2ND STG, BDP HYD, ATP
 1625#, AIR 20 BPM.
 WEIR 4474' - 4484' (21 HOLES) - 70Q FOAM FRAC - 35,100 LB SAND, 120 BBL FLUID, 218,000
 SCF N2, 500 GAL 28%
 HCL IN FLUSH FOR 3RD STG, BDP 3230#, ATP 1350#, AIR 20 BPM. BIG LIME 3921' - 3927' (13
 HOLES) - ACID FRAC
 W/ N2 ASSIST - 2000 GAL 28% HCL, 33,000 SCF N2, 80 BBL TW, BDP 2225#, ATP 687#, AIR 12
 BPM. MAXON 2256' -
 2264' (17 HOLES) - 70Q FOAM FRAC - 500 GAL 15% HCL FOR BD, 22,500 LB SAND, 118 BBL
 FLUID, 118,000 SCF N2,
 BDP 1289#, ATP 1080#, AIR 20 BPM, ISIP 1111#.

Overburton	0	10
Sandstone	10	440
Shale	440	600
Sandstone	600	980
Shale	980	1140

FORMATION TOPS

Pride Shale	1298	1428
Ravencliff	1450	1695
Avis Lime	1780	1825
Upper Maxton	2466	2506
Middle Maxton	2746	2773
Lower Maxton	2925	2967
Little Lime	3066	3463
Big Lime	3463	4193
Price FM	4193	4860
Weir	4451	4499
Sunbury	4809	4860
Berea	4860	4877
LTD		5021'

WW-4A
Revised 6-07

1) Date: May 14, 2020
2) Operator's Well Number
6276
3) API Well No.: 47 - 047 - 01790

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: (a) Name Imperial Resources, LLC Address 640 Clover Dew Dairy Road Princeton, WV 24739 (b) Name Address (c) Name Address
5) (a) Coal Operator Name Imperial Resources, LLC Address 640 Dew Dairy Road Princeton, WV 24739 (b) Coal Owner(s) with Declaration Name Imperial Resources, LLC Address 640 Dew Dairy Road Princeton, WV 24739 (c) Coal Lessee with Declaration Name Address
6) Inspector Gary Kennedy Address 66 Old Church Lane Pipestem, WV 25979 Telephone 304-382-8402

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.



Well Operator Diversified Production, LLC
By: Jeff Mast
Its: Director Production
Address P.O. Box 6070 Charleston, WV 25362
Telephone 304-543-6988

Subscribed and sworn before me this 14th day of May, 2020
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2023

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 depprivacvoffier@wv.gov.

Well 6276

47-047-01790P

7017 1450 0002 3854 0887

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

PRINCETON, WV 24739

OFFICIAL USE

Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$2.85
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total P	\$7.80

0523
01

Postmark
Here

05/15/2020

Sent to
Street
City, State
6276 P&A
Imperial Resources, LLC
640 Clover Dew Dairy Road
Princeton, WV 24739

PS Form

Instructions

ALERT: DUE TO LIMITED TRANSPORTATION AVAILABILITY AS A RESULT OF NATIONWIDE COVID-19 IMPACTS, PACKAGE DELIVE...

USPS Tracking®

[FAQs >](#)

[Track Another Package +](#)

Tracking Number: 70171450000238540887

[Remove X](#)

Your item was delivered to an individual at the address at 3:24 pm on May 18, 2020 in PRINCETON, WV 24739.

Feedback

Delivered

May 18, 2020 at 3:24 pm
Delivered, Left with Individual
PRINCETON, WV 24739

[Get Updates](#) 

[Text & Email Updates](#) 

[Tracking History](#) 

[Product Information](#) 

47-047-01790P

WW-9
(5/16)

API Number 47 - 047 01790
Operator's Well No. 6276

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Diversified Production, LLC OP Code 494524121

Watershed (HUC 10) Elkhorn Creek (0507020102) Quadrangle Keystone

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: Plugging returns/cement - will utilize above ground tanks

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 ml.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Any fluid recovered will be hauled to a Diversified tank battery and disposed of properly)

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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.

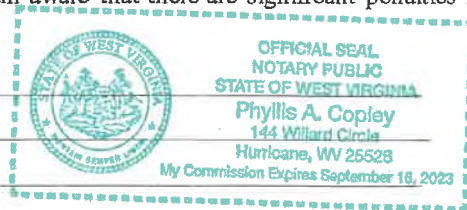
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 _____

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 14th day of May, 2020

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	<u>40</u>	Red Fescue	<u>15</u>
Alsike	<u>5</u>	Alsike Clover	<u>5</u>
Annual Rye	<u>15</u>		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

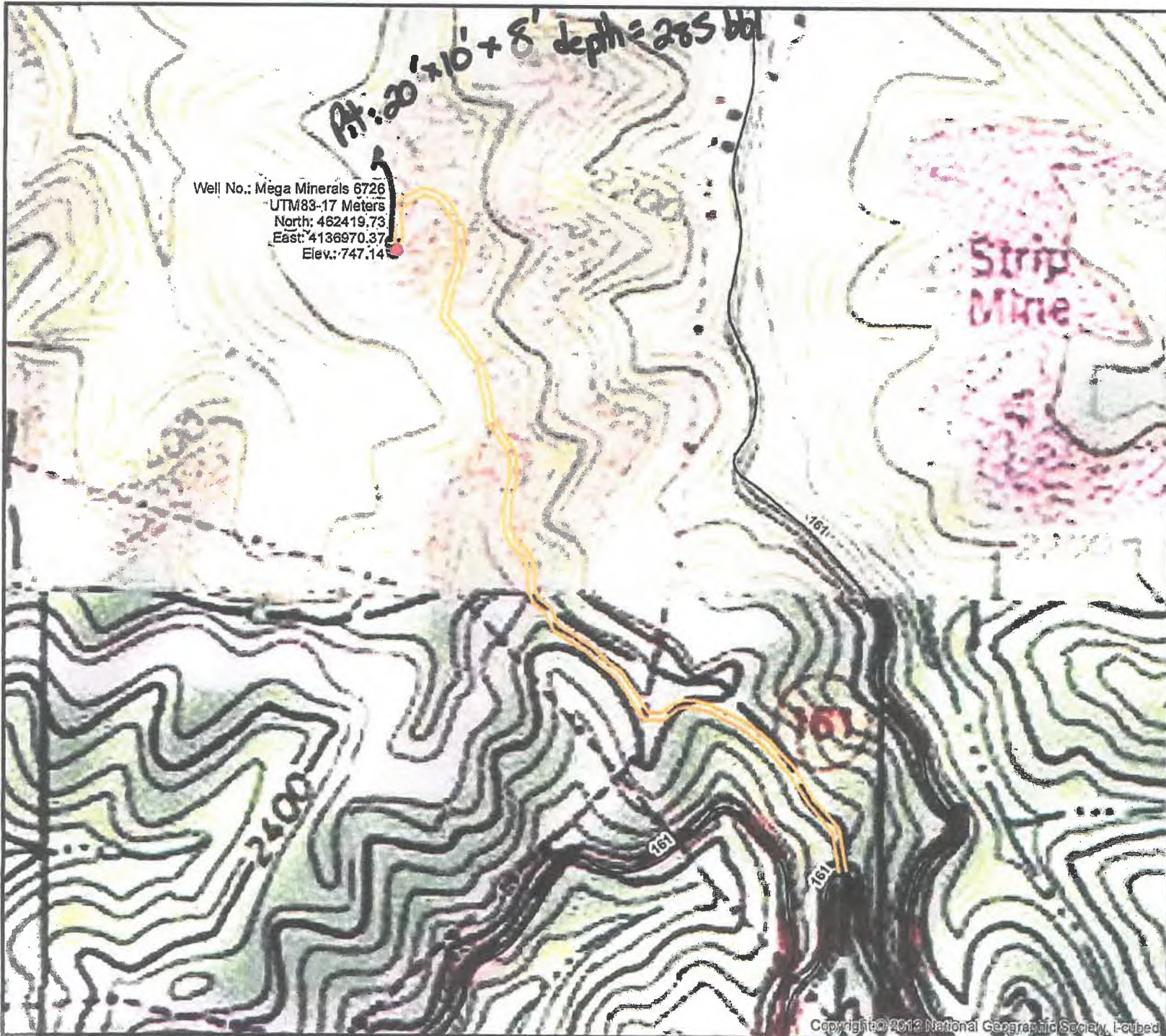
Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No

47-047-01790P



Well No.: Mega Minerals 6726
 UTM83-17 Meters
 North: 462419.73
 East: 4136970.37
 Elev.: 747.14

Pt: 20' x 10' + 8' depth = 285 bbl

Strip Mine



Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY. 41051

MEGA MINERALS 6726

Plugging Map

47-047-01790

Legend

- Well
- Access Road
- Pits
- Pad
- Public Roads
- USA Topo Maps

