

#1276

\$1,000

APPLICATION FOR A PERMIT (Form 1)
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT
 2045 MORSE ROAD, BUILDING F-2
 COLUMBUS, OHIO 43229-6693
 (614) 265-6922

RECEIVED

JUL 07 2015

a P 127661

SEE INSTRUCTIONS ON BACK

1. We (applicant) D.T. Atha, Inc. 2. Owner #: 7077
 Address: 3415 Dickson Rd., Albany Ohio, 45710 Phone #: 740-698-2093
 hereby apply this date 6-29, 20 15 for a permit to:

Drill Vertical Well Revised Location Convert
 Drill Horizontally Plug Back Deepen
 Drill Directionally Plug and Abandon Reopen
 Reissue Temporary Inactive (1st year 2nd year 3rd year ___th year)

3. TYPE OF WELL: Oil & Gas Annular Disposal Saltwater Injection
 Stratigraphic Test Gas Storage Other (explain):
 Solution Mining* Enhanced Recovery* (*if checked, select appropriate box below)
 Input/Injection Water Supply Observation Production/Extraction

4. IS THE WELL LOCATION OR PRODUCTION FACILITY(S) WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01 (Y)? Yes No

5. MAIL PERMIT TO: D.T. Atha, Inc.
P.O. Box 157
Albany Ohio, 45710

6. COUNTY: Athens

7. CIVIL TOWNSHIP: Rome

8. SECTION: 32 9. LOT: _____

10. FRACTION: _____ 11. QTR TWP: _____

12. TRACT/ALLOT: _____

13. WELL #: 2

14. LEASE NAME: M. Frost #2

15. PROPOSED TOTAL DEPTH: 3550'

16. PROPOSED GEOLOGICAL FORMATION(S): Ohio Shale

17. DRILLING UNIT ACRES: N/A

18. ATTACH LANDOWNER ROYALTY LISTING: see attached

19. IF PERMITTED PREVIOUSLY: _____
 API #: _____

20. TYPE OF TOOLS: Cable Rotary (Air Fluid)
 Cable/Rotary Service Rig

21. SOURCE(S) OF GROUND AND/OR SURFACE WATER USED IN PRODUCTION
 OPERATION: Hocking River
 Watershed: Lake Erie Ohio River
 Estimated Withdrawal Rate (gal/day): 10,500
 Estimated Total Volume (gal): 42,000
 If Recycled Water – Estimated Total Volume (gal): _____

22. EMERGENCY TELEPHONE NUMBERS: (closest to well site):
 Fire: 740-667-3343
 Medical: 740592-3247

23. MEANS OF INGRESS & EGRESS:
 Road: S.R. 144

24. ROAD USE FOR A HORIZONTAL WELL:
 Maintenance Agreement Attached
 Non-agreement Affidavit Attached
 State Route (Not Required)

25. ARE THE SURFACE RIGHTS OWNED BY STATE OF OHIO?
 Agency Name: N/A

26. FOR PLUGGING APPLICATIONS:
 Date of Last Production: _____
 Amount of Oil: _____ (bbl) Gas: _____ (mcf)

27. PROPOSED CASING AND CEMENTING PROGRAM

Type Casing	Borehole Diameter (in)	Borehole Depth (ft)	Casing Diameter (in)	Casing Depth (ft)	Cement Volume (sacks)	Formation	Zone Tested or produced (✓ if Yes)	Hydraulic Fracturing (✓ if Yes)
Drive Pipe							<input type="checkbox"/>	<input type="checkbox"/>
Conductor	12.25"	120'	9.625"	100'	100sx		<input type="checkbox"/>	<input type="checkbox"/>
Mine String							<input type="checkbox"/>	<input type="checkbox"/>
Surface	8.875"	1400'	7"	1350'	200sx		<input type="checkbox"/>	<input type="checkbox"/>
1 st Intermediate							<input type="checkbox"/>	<input type="checkbox"/>
2 nd Intermediate							<input type="checkbox"/>	<input type="checkbox"/>
Production	6.25"	3550'	4.5"	3525'	120sx	Ohio Shale	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Liner							<input type="checkbox"/>	<input type="checkbox"/>

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct, and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a pool and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC). I, the undersigned, further depose and state that all notices required by 1509.06 (A) (9) ORC for this application have been duly provided by me. If applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1509., ORC, and Chapter 1501., OAC, and all orders and conditions issued by the Chief, Division of Oil and Gas Resources Management.

Signature of Owner/Authorized Agent _____
 Name (Type or Print) LEE W. ATHA Title President

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this the 29th day of June, 20 15.

Tammy Atha
 (Notary Public)



TAMMY ATHA
 Notary Public
 In and for the State of Ohio
 My Commission Expires
 April 22, 2018

4-22-18
 (Date Commission Expires)



**SUPPLEMENT TO APPLICATION
 PERMIT FOR A SALTWATER INJECTION WELL (Form 210)**
 (REVISED 0515)

AREA OF REVIEW: An application for a saltwater injection well (SWIW) will be evaluated on the basis of an "area of review" surrounding the proposed well. The area of review for wells, in which injection of greater than two hundred (200) barrels per day is proposed, shall be the area circumscribed by a circle with the center point at the location of the injection well and a radius of one-half mile. The area of review for wells, in which a maximum injection of two hundred (200) barrels per day or less is proposed, shall be the area circumscribed by a circle with the center point at the location of the injection well and a radius of one-quarter mile.

31. PROPOSED INJECTION ZONE:

Geological Formation: Ohio Shale
 Injection Well Interval: FROM 2,700.00 FEET TO 3,525.00 FEET

Geologic description of Injection zone: Ohio Shale

Composition of Proposed Fluids to be Injected: (CHECK ALL THAT APPLY)

- Brine Flow-Back Drilling Fluids Other Approved Fluids

32. WELL CONSTRUCTION AND OPERATION:

A. Description of the proposed casing and cement program for new wells, or of the casing, cementing or sealing with prepared clay for existing wells to be converted:

- 100' of 9.825" conductor casing cemented to surface with 100sx
- 1350' of 7" surface casing cemented to surface with 200sx
- 2700' of 4.5" production casing cemented with 120sx
- Slotted 4.5" production casing from 2700' to 3525'

B. Proposed method for testing the casing:

- All casing from 2700' to surface will be new and stamped with test values.
- 4.5" from 2700' to 3525' will be used slotted. (no way to test slotted pipe)

C. Description of the proposed method for completion and operation of the injection well:

- During drilling process a DV tool will be installed to cement 4.5" casing towards surface.
- Upon drilling completion, the Ohio Shale will be hydraulically fractured through the 4.5" slotted casing from 2700' to 3525'.
- An underground internally lined 2 7/8" pipeline will be installed from wellhead to existing containment facility at M. Frost #9 SWIW permit #3761.

D. Description of the proposed unloading, surface storage, and spill containment facilities:

- The existing unloading pad, surface storage and spill containment located at the M. Frost #9 SWIW will be utilized for the proposed well.
- A 2 7/8" internally lined pipeline will be constructed between the existing containment at the M. Frost #9 SWIW and the proposed M. Frost #2 wellhead.
- Fluids would then be transferred via pump from existing containment to the proposed new well.

RECEIVED

JUL 07 2015

33. PROPOSED INJECTION VOLUMES

A. Indicate the estimated amount of saltwater to be injected into the proposed injection well per day:
 AVERAGE: 2500bbl MAXIMUM: 4000bbl

B. Indicate the method to be used to measure the actual daily injection pressure:
Third party, Silversmith will be monitoring tubing and casing pressures continuously.

34. PROPOSED INJECTION PRESSURES

A. Indicate the estimated pressure to be used for injection of saltwater into the proposed injection well:
 AVERAGE: 300psi MAXIMUM: 630psi 625 psi KB

35. PROPOSED CORRECTIVE ACTION

Explain any corrective action proposed for wells penetrating the proposed injection formation or zone within the area of review:
The M. Frost #9 SWIW permit #3761 owned and operated by D.T. Atha, Inc. is the only well inside the area of review that penetrates injection formation.

**SUPPLEMENT TO APPLICATION
PERMIT FOR A SALTWATER INJECTION WELL (Form 210)**

(REVISED 0515)

36. MAP

Each application for a permit shall be accompanied by a map or maps showing and containing the following information:

- A. The subject tract of land on which the proposed injection well is to be located.
- B. The location of the proposed injection well on the subject tract established by an Ohio registered surveyor showing the distances in feet from the proposed well site to the boundary lines on the subject tract;
- C. The geographic location of all wells, penetrating the formation proposed for injection regardless of status, within the area of review;
- D. All holders of the land owner's royalty interest of record, or holders of the severed oil and gas mineral estates of record in the subject tract;
- E. All owners or operators of wells producing from or injecting into the same formation proposed as the injection formation.

37. SCHEMATIC DRAWING OF SUBSURFACE CONSTRUCTION

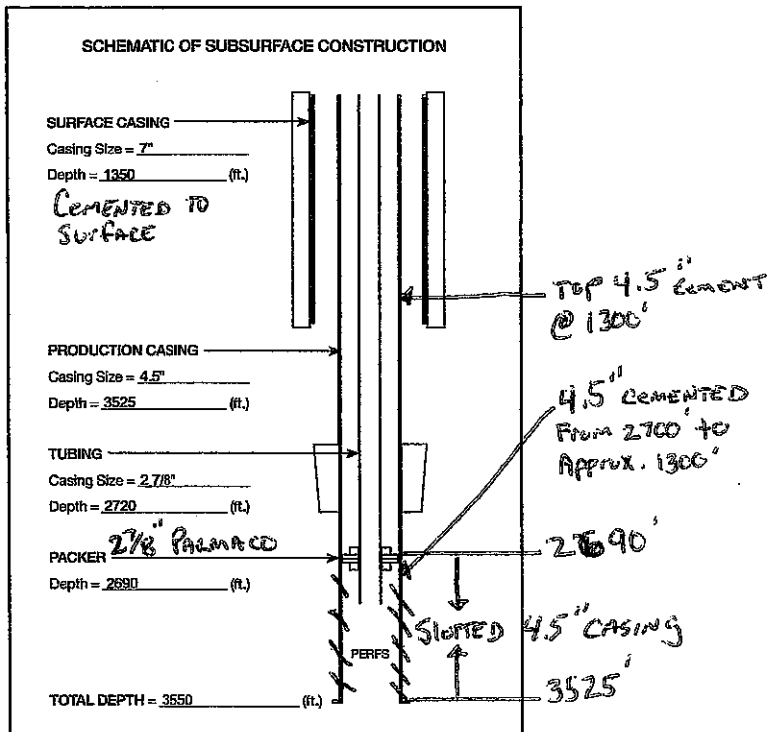
Label the schematic drawing below indicating size and setting depth of surface casing, intermediate (if any) and production casings; amount of cement used, measured or calculated tops of cement; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval. If the proposed input well design is substantially different from the schematic below, attach on a separate sheet a schematic of your proposal labeled with the above information.

38. PUBLIC NOTICE OF A SALTWATER INJECTION WELL

Public notice of an application for a saltwater injection well is required by law. In addition, the applicant must submit, on an attached sheet, a list of the names and address(es) of those persons required to receive personal notice in accordance with Rule 1501:9-3-06(H), of the Ohio Administrative Code.

After submitting the application, and after a determination by the Division that it is complete as required by the rules of the Division, a legal notice must be published by the applicant in a newspaper of general circulation in the area of review. The legal notice must contain the information described in Rule 1501:9-3-06(H) of the Ohio Administrative Code. A copy of the notice must be delivered to all owners or operators of wells within the area of review producing from or injecting into the same formation proposed as the injection formation. Proof of publication, publication date, and an oath as to the delivery to those entitled to receive personal notice under this method must be filed with the Division within thirty (30) days after the Division determines that the application is complete.

In addition, notice of all applications for saltwater injection wells will be published in the Division's weekly circular.



The undersigned hereby agrees to comply with all provisions for a saltwater injection well as required by Chapter 1501:9-3 of the Ohio Administrative Code. In addition, the undersigned deposes and says that s/he shall conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all orders and rules issued by the Chief, Division of Oil and Gas Resources Management.

RECEIVED

JUL 07 2015

Owner/Authorized Agent (Type or Print): Lee W. Atha
 Signature of Owner/Authorized Agent: [Signature] Title: President
 Permanent Address of Home Office: D.T. Atha, Inc.

3415 Dickson Rd. Albany Ohio 45710

If signed by Authorized Agent, a certified copy of appointment of agent must be on file with the Division.

SWORN to and subscribed to me this 29th day of June, 2015



TAMMY ATHA
 Notary Public
 In and for the State of Ohio
 My Commission Expires
 April 22, 2018

Tammy Atha
 Notary Public
 4-22-18
 Date Commission Expires

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Oil and Gas Resources Management, 2045 Morse Road, Bldg. F-2, Columbus OH 43229-6693

1. DATE OF APPLICATION: 29-Jun-15		3. API #:	
2. OWNER NAME, ADDRESS, & TELEPHONE NO.: D.T. Atha, Inc P.O. Box 157 Albany Ohio, 45710 740-698-2093		4. WELL #: 2	
		5. LEASE NAME: M. Frost #2	
		6. PROPERTY OWNER: Melvina May Frost	
		7. COUNTY: Athens	
		8. CIVIL TOWNSHIP: Rome	
		9. SECTION: 32	
		10. LOT:	
11. CURRENT LAND USE: <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike		17. TYPE OF WELL: <input type="checkbox"/> Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other	
12. SLOPF GRADIENT & LENGTH DETERMINED FROM: <input checked="" type="checkbox"/> Ground Measurement <input type="checkbox"/> U.S. Geological Survey Topographical Maps <input type="checkbox"/> Other: (explain) _____		18. STEEPEST SLOPE GRADIENT CROSSING SITE: <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%	
13. TYPE OF FALL VEGETAL COVER: <input type="checkbox"/> Little or no vegetal cover <input checked="" type="checkbox"/> Short grasses <input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.) <input type="checkbox"/> Brush or bushes (2 to 6 ft.) <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush		19. LENGTH OF STEEPEST SLOPE CROSSING SITE: <input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.	
14. SOIL & REFOILING MATERIAL AT WELLSITE: <input checked="" type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer) <input type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative _____		20. RESTORATION OF DRILLING PITS: ** <input checked="" type="checkbox"/> Haul drilling fluids and fill pits <input type="checkbox"/> Use steel circulating tanks <input type="checkbox"/> Proposed alternative _____	
15. DISPOSAL PLAN FOR TREES AND TREE STUMPS: <input checked="" type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill <input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company <input type="checkbox"/> Bury with landowner's approval <input type="checkbox"/> Mulch small trees and branches, erosion control <input type="checkbox"/> Use for wildlife habitat with landowner approval <input type="checkbox"/> Proposed alternative _____		21. BACKFILLING AND GRADING AT SITE: <input type="checkbox"/> Construct diversions channeled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input checked="" type="checkbox"/> Grade to approximate original contour <input type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> Proposed alternative _____	
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES: <input checked="" type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water <input type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed		22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE: <input checked="" type="checkbox"/> Seeding plan <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes <input type="checkbox"/> Proposed alternative _____	
		23. ADDITIONAL HOLES: <input type="checkbox"/> Rat/Mouse, if used, will be plugged	
		24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD: <input type="checkbox"/> 100 ft. or less <input checked="" type="checkbox"/> 101 to 500 ft. <input type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft.	
		25. CURRENT LAND USE OF PATH OF ACCESS ROAD: <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike	

****PITS MUST BE FILLED WITHIN TWO MONTHS AFTER COMMENCEMENT OF THE WELL AND WITHIN FOURTEEN DAYS AFTER COMMENCEMENT OF THE WELL IN AN URBANIZED AREA.**

REQUIRED BY SECTION 1509.06 (A)(10), OHIO REVISED CODE -- FAILED TO SUBMIT MAY RESULT IN AN ASSESSMENT OF CRIMINAL FINES NOT LESS THAN \$100.00 NOR MORE THAN \$2,000.00 OR CIVIL PENALTIES NOT LESS THAN \$4,000.00.

26. SURFACING MATERIAL FOR ACCESS ROAD: <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Slag <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Crushed stone	29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: <input checked="" type="checkbox"/> 0 to 5% <input type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10%
27. PATH OF ACCESS ROAD TO BE DETERMINED BY: <input type="checkbox"/> Landowner <input checked="" type="checkbox"/> Existing access road <input type="checkbox"/> Contractor <input type="checkbox"/> Operator	30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD: <input checked="" type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> greater than 400 ft.
28. GRADING AND EROSION CONTROL PRACTICE ON ROAD: <input checked="" type="checkbox"/> Diversions <input type="checkbox"/> Drains <input type="checkbox"/> Open top culverts <input type="checkbox"/> Outsloping of road <input type="checkbox"/> Pipe culverts <input type="checkbox"/> Proposed alternative <input type="checkbox"/> Filter strips <input type="checkbox"/> Riprap <input type="checkbox"/> Water breaks	31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

The undersigned hereby agrees to implement all restoration operations identified on this form, and conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all Orders and rules issued by the Chief, Division of Oil and Gas Resources Management.

Signature of Owner/Authorized Agent 

Name (Typed or Printed) Lee W. Atha Date 6/29/2015

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

RECEIVED

JUL 07 2015