## **BEFORE THE**

## **OIL & GAS COMMISSION**

ATHENS COUNTY FRA ACTION NETWORK,	CKING	:	Appeal No. 902
	Appellant,	:	
-vs-		•	Review of Chief's Issuance of Injection Well Permit SWIW #11
DIVISION OF OIL & GAS MANAGEMENT,	S RESOURCES	•	(K & H Partners, LLC)
,	Appellee,	•	ORDER OF THE
and		:	COMMISSION GRANTI MOTION TO DISMISS
		•	APPEAL
K & H PARTNERS, LLC,	Toto and a second second	:	
	Intervenor.	•	

Appearances:

Richard C. Sahli, Counsel for Appellant ACFAN; Jennifer Barrett, Brett Kravitz, Assistant Attorneys General, Counsel for Appellee Division of Oil & Gas Resources Management; Robert L. Bays, Counsel for Intervenor K & H Partners, LLC.

### **BACKGROUND**

This matter comes before the Oil & Gas Commission upon appeal by Appellant Athens County Fracking Action Network ["ACFAN"] from a decision of the Chief of the Division of Oil & Gas Resources Management ["the Division"] granting a well permit to K & H Partners, LLC ["K & H Partners"]. The well permit at issue authorizes K & H Partners to drill a well in Troy Township, Athens County, Ohio. After being drilled, this well is proposed to be utilized for the injection of oilfield waste materials into an underground geologic formation. The well is known as the SWIW #11, or the K & H 3 Well.

ACFAN filed its notice of appeal on April 14, 2015. Attached to ACFAN's notice of appeal was a copy of the permit under review. This permit was issued to K & H Partners on March 18, 2015, and is set to expire on March 17, 2017.

ACFAN is identified in its notice of appeal as an unincorporated association, including members who reside and frequent areas in close proximity to the injection well site.<sup>1</sup>

On April 24, 2015, K & H Partners filed a request to intervene into this action. No objections to this request were heard, and on May 27, 2015, the Commission granted K & H Partners intervenor status in this appeal.

On April 27, 2015, the Division filed a *Motion to Dismiss* this appeal, asserting that the Commission lacks jurisdiction in this matter. The Division argued that Commission is not statutorily-authorized to hear appeals from the Division Chief's issuances of oil & gas drilling permits. In support of its position, the Division cites to O.R.C. §1509.06(F)(6) and to the decision of the Ohio Supreme Court in a prohibition action designated as <u>Chesapeake Exploration, LLC v.</u> <u>Oil & Gas Commission et al.</u>, 135 Ohio St.3d 204, 2013-Ohio-224.

On May 18, 2015, K & H Partners separately filed a *Motion to Dismiss* this appeal. Through this filing, K & H Partners articulated its support of the Division's April 27, 2015 Motion to Dismiss.

On May 27, 2015, ACFAN filed a *Response Brief Opposing [the Division's] Motion to Dismiss*. Through this filing, ACFAN argued that the permit under appeal is an injection well permit, issued under the authority of O.R.C. §1509.22(D), and that the Commission's review of the issuance of this permit is not precluded under the operation of O.R.C. §1509.06(F)(6) or under the holdings of the <u>Chesapeake Exploration</u> case.

<sup>&</sup>lt;sup>1</sup> ACFAN's standing has not been challenged by either the Division or K & H Partners. As the Commission has not been asked to address ACFAN's standing, the immediate ruling does not reach this issue. Rather, the instant ruling focuses upon the Commission's subject matter jurisdiction over the permit under appeal. Due to the Commission's ultimate finding that its jurisdiction is not invoked in this matter, it is not necessary for the Commission to consider, or determine, ACFAN's standing to appeal, and the Commission makes no specific finding relative to ACFAN's standing.

On June 3, 2015, K&H Partners filed a *Reply to [ACFAN's] Response Brief*, and on June 8, 2015, the Division filed a *Reply in Support of [the Division's] Motion to Dismiss*.

### **DISCUSSION**

#### **The Commission's Jurisdiction Over Permitting Decisions**

The Oil & Gas Commission is created, and exists, by virtue of O.R.C. §1509.35, to provide an administrative forum for the review of orders issued by the Chief of the Division of Oil & Gas Resources Management. As a creature of statute, the jurisdiction and authorities of the Commission are both defined, and limited, by statute. *Delaney v. Testa*, 128 Ohio St.3d 248, 2011-Ohio-550, 943 N.E.2d 546. Pursuant to O.R.C. §1509.36, the Commission provides a *de novo* adjudicatory hearing where an appellant claims to be adversely affected by an order of the Division Chief.

The Division of Oil & Gas Resources Management is the regulatory authority for Ohio's oil & gas industry. The Division possesses inspection, enforcement and permitting authorities relative to this industry.

Revised Code Chapter 1509. provides for various types of permits associated with the oil & gas industry, with the Division identified as the permitting authority for these various permits. Permits relevant to the immediate appeal are: (1) a drilling permit, required under O.R.C. §1509.05, and issued in accordance with O.R.C. §1509.06, and (2) an injection, or disposal, permit required and issued pursuant to O.R.C. §1509.22.

Historically, the Commission's jurisdiction extended to appeals from all Chief's decisions regarding permitting. However, beginning in 2010, legislation was enacted, limiting the Commission's jurisdiction over certain permitting decisions.

The following legislation impacts the Commission's jurisdiction over permitting

decisions:

1. <u>O.R.C. §1509.05 and O.R.C. §1509.06</u>. O.R.C. §1509.05 sets forth the requirement that well drilling activities must be permitted. O.R.C. §1509.06 describes the application and approval process for drilling permits, as well as for "associated production operations."

Division (F) of O.R.C. §1509.06 provides in part:

The chief shall issue an order denying a permit if the chief finds that there is a substantial risk that the operation will result in violations of this chapter or rules adopted under it that will present an imminent danger to public health or safety or damage to the environment, provided that where the chief finds that terms or condition to the permit can reasonably be expected to prevent such violation, the chief shall issue the permit subject to those terms or conditions, including, if applicable, terms and conditions regarding subjects identified in rules adopted under section 1509.03 of the Revised Code.

In 2010, O.R.C. §1509.06(F) was **amended** to include the following additional language:

The issuance of a permit shall not be considered an order of the chief.

2. **O.R.C. §1509.03.** O.R.C. §1509.03(B)(1) provides that the Chief's permitting decisions are issued as adjudication orders. O.R.C. §1509.03(B)(1) states in part:

Any order issuing, denying, or modifying a permit or notices required to be made by the chief pursuant to this chapter shall be made in compliance with Chapter 119. of the Revised Code, except that personal service may be used in lieu of service by mail. Every order issuing, denying, or modifying a permit under this chapter and described as such shall be considered an adjudication order for purposes of Chapter 119. of the Revised Code. In 2011, O.R.C. §1509.03(B)(1) was **amended** to include the following additional language:

Division (B)(1) of this section does not apply to a permit issued under section 1509.06 of the Revised Code.

So while, historically, the Commission exercised jurisdiction over all permitting decisions,<sup>2</sup> the above-quoted amendments to O.R.C. §1509.06(F) and O.R.C. §1509.03(B)(1), effectively divested the Commission of jurisdiction to hear appeals from Chief's decisions regarding drilling permits issued under O.R.C. §1509.06. In 2013, this restriction of jurisdiction was confirmed by the Ohio Supreme Court in <u>Chesapeake Exploration, LLC v. Oil & Gas Commission</u> <u>et al.</u>, supra.

In the <u>Chesapeake</u> case, the Ohio Supreme court granted a *writ* of prohibition, precluding the Commission from exercising jurisdiction over an appeal taken by a landowner (Summitcrest, Inc.) from the Chief's issuance of a drilling permit for an oil & gas production well sought by Chesapeake Exploration LLC.

In the <u>Chesapeake</u> case, the Court noted that "statutes providing for appeals should be given a liberal interpretation in favor of appeal." <u>Chesapeake Exploration, LLC y. Oil & Gas Commission</u> <u>et al.</u>, supra, at ¶19. However, the Court also noted that:

When the General Assembly grants an administrative agency power to hear appeals, the statutory language determines the parameters of the agency's jurisdiction. *Cuyahoga Cty. Bd. of Cty. Commrs. v. Daroczy*, 10<sup>th</sup> Dist. No. 08AP-123, 2008-Ohio-5564, ¶17.

Chesapeake Exploration, LLC v. Oil & Gas Commission et al., supra, at ¶13.

<sup>&</sup>lt;sup>2</sup> See for example: Lawrence & Shalyne Fox vs. Division & Everflow Eastern, # 822 (September 29, 2010); City of Munroe Falls vs. Division & D&L Energy, # 793 (August 7, 2008).

The Court in <u>Chesapeake</u> specifically found that the language of O.R.C. \$1509.06(F) (as amended in 2010) divested the Commission of jurisdiction over decisions relating to "permits to drill a new well, drill an existing well deeper, reopen a well, convert a well to any use other than its original purpose, or plug back a well to a different source of supply, including associated production operations." <u>Chesapeake Exploration, LLC v. Oil & Gas Commission et al.</u>, supra, at ¶14. Thus, the Commission cannot exercise appellate jurisdiction over permitting decisions relating to drilling permits issued under O.R.C. \$1509.06.

However, the Court in <u>Chesapeake</u> also specifically held that this restriction of the Commission's jurisdiction is limited to permits issued under O.R.C. §1509.06. Indeed, the Ohio Supreme Court noted that the Commission retains jurisdiction over certain <u>other</u> permitting decisions. In this regard, the Court commented that other permitting decisions still fall under the Commission's jurisdiction, noting specifically that permits issued by the Chief under O.R.C. §1509.22 (for the injection of brine or other waste substances into an underground formation) are not subject to the limiting language of O.R.C §1509.06(F), and would, therefore, be reviewable by the Commission. <u>Chesapeake Exploration, LLC v. Oil & Gas Commission et al.</u>, supra, at ¶17.

Significantly, the issue of the Commission's jurisdiction over the issuance of drilling permits, and specifically drilling permits issued for future injection operations, has been raised and decided by this Commission in a previous appeal. On June 12, 2014, this Commission issued a decision in the matter of <u>Athens County Fracking Action Network v. Division and K & H</u> <u>Partners</u>, <u>LLC</u>, #855. This previous case involved the same parties as appear in the immediate matter. Moreover, the previous case involved a similar permit, addressing a similar well, and proposed to be sited in the same vicinity as the well at issue in the immediate matter.

In the previous <u>ACFAN</u> appeal, the Commission found that the permit under review was a drilling permit, over which this Commission lacks jurisdiction.

As in the prior <u>ACFAN</u> case, the permit attached to the notice of appeal in the immediate case is in the nature of a drilling permit issued under O.R.C. §1509.06, and is not an injection permit issued under O.R.C. §1509.22.

The Commission's decision in the prior <u>ACFAN</u> matter, case #855, was appealed by ACFAN to the Court of Common Pleas for Franklin County on July 10, 2014. That appeal remains pending before the court (case # 14 CV 7132).

It is the Commission's desire to respect the limitations placed upon its jurisdiction as articulated by the legislature through statute, but also to respect appellate rights ensured by statute. Thus, the Commission will not exercise jurisdiction inappropriately, but also does not intend to preclude appeals of decisions anticipated to be administratively reviewable.

The Ohio Supreme Court has held that the Commission lacks jurisdiction over permitting decisions that address drilling permits issued under O.R.C. §1509.06, and the Commission will not exercise jurisdiction over such decisions.

#### The Nature of the Permit Under Appeal

Permits to drill wells are required under O.R.C. §1509.05. The application and approval process for such drilling permits are described in O.R.C. §1509.06. Permitting decisions regarding the drilling of wells (and rendered under O.R.C. §1509.06) are the types of permitting decisions over which this Commission specifically **lacks** jurisdiction. *Chesapeake Exploration*, *LLC v. Oil & Gas Commission et al.*, *supra*.

However, Revised Code Chapter 1509. provides for other types of permits, separate and distinct from drilling permits issued under O.R.C. §1509.06. O.R.C. §1509.22 describes permits associated with the underground storage and disposal of brine and other oilfield wastes. Wells addressed under O.R.C. §1509.22 are characterized as "injection wells," and are separately permitted.

#### O.R.C. §1509.22(D)(1) provides:

No person, without first having obtained a permit from the chief, shall inject brine or other waste substances resulting from, obtained from, or produced in connection with oil or gas drilling, exploration, or production into an underground formation unless a rule of the chief expressly authorizes the injection without a permit. <u>The permit shall be in addition to any permit</u> <u>required by section 1509.05 of the Revised Code</u>, and the permit application shall be accompanied by a permit fee of one thousand dollars. The chief shall adopt rules in accordance with Chapter 119. of the Revised Code regarding the injection into wells of brine and other waste substances resulting from, obtained from, or produced in connection with oil or gas drilling, exploration, or production....

(Emphasis added.)

Oil & gas production wells, and oil & gas injection wells, are administered under two distinct permitting programs. Oil & gas injections wells are regulated as Class II wells under the federal "Underground Injection Control" program, and are subject to additional, and more stringent, state operational requirements as compared to oil & gas production wells. Indeed, separate state regulations have been promulgated for these distinct regulatory programs.<sup>3</sup>

<sup>&</sup>lt;sup>3</sup> Production wells are subject to regulations found at O.A.C. Chapter 1501:9-1; while injection wells are subject to regulations found at O.A.C. Chapter 1501:9-3.

ACFAN Appeal # 902

The permit under review was attached to ACFAN's notice of appeal, and is also attached to this order (*see Attachment A*). Unfortunately, this document does not specifically identify itself as either a drilling permit or as an injection permit. Nor does the document indicate whether its issuance is accomplished pursuant to O.R.C. §1509.06 or pursuant to O.R.C. §1509.22. To establish whether the Commission possesses jurisdiction over the permit under appeal, the Commission must determine whether this permit is: (1) a drilling permit issued pursuant to O.R.C. §1509.06 (over which the Commission <u>may not</u> exercise jurisdiction), or (2) an injection permit issued pursuant to O.R.C. §1509.22 (over which the Commission <u>may exercise jurisdiction</u>).

The Division administers all permitting programs under Revised Code Chapter 1509., and has great familiarity with how various permits are issued. The Division maintains that the permit under appeal is a <u>drilling permit</u>, issued under O.R.C. §1509.06, and that a <u>separate</u> <u>injection permit</u>, pursuant to O.R.C. §1509.22, is yet to be issued. This position is supported by the language of O.R.C. §1509.22(D)(1), which provides that the injection well permit issued under O.R.C. §1509.22 shall be "... <u>in addition</u> to any permit required by section 1509.05 of the Revised Code."

A review of the permit under appeal reveals that this document contains information specific to the drilling and construction of a well. For example, the permit, and its conditions, address items such as the type of drilling tools to be utilized, construction details for the surface facilities, the casing program to be employed, and certain pressure testing criteria.

Indeed, only one item of the permit under appeal specifically addresses future injection into this well. Under the "constructional conditions" for this well, item 11 states:

11. K & H Partners, LLC shall notify the Division in writing prior to the initiation of injection operations and injection operations shall not commence until the Division provides K & H Partners, LLC with written approval that authorizes injection. Operational conditions to the permit shall be issued with the written approval.

(See Attachment A,  $4^{th}$  page.) This language suggests that a separate authorization will be required in order to commence injection activities, and that injections cannot be made under the permit that is the subject of this appeal.

Moreover, under O.R.C. §1509.22 and O.A.C. §1501:9-3, an injection permit should contain information specific to the injection process. Such information is not reflected in the permit under appeal.

The Commission **FINDS** that the permit under appeal is not an injection permit issued under O.R.C. §1509.22. The Commission **FINDS** that the permit under appeal is a drilling permit, issued under the requirements of O.R.C. §1509.05, and in accordance with O.R.C. §1509.06. As this appeal is taken from a drilling permit issued under O.R.C. §1509.06, this Commission lacks jurisdiction over this permit pursuant to the provisions of O.R.C. §1509.06(F)(6). *Chesapeake Exploration, LLC v. Oil & Gas Commission et al., supra.* 

## <u>ORDER</u>

Wherefore, based upon the foregoing discussion, Appellee's Motion to Dismiss is **GRANTED**, and this appeal is hereby **DISMISSED**.

Date Issued:

November 2, 2015

NDON DAVIS, Chairman

meth

#### **INSTRUCTIONS FOR APPEAL**

This decision may be appealed to the Court of Common Pleas for Franklin County, within thirty days of your receipt of this decision, in accordance with Ohio Revised Code §1509.37.

#### DISTRIBUTION:

Richard C. Sahli, Via E-Mail [rsahliattorney@columbus.rr.com] & Certified Mail #: 91 7199 9991 7030 3102 4242 Jennifer Barrett, Brett Kravitz, Via E-Mail [jennifer.barrett@ohioattorneygeneral.gov, brett.kravitz@ohioattorneygeneral.gov] & Inter-Office Certified Mail #: 6769

Robert L. Bays, Via E-Mail [rbays@bowlesrice.com] & Certified Mail #: 91 7199 9991 7030 3102 4259

ACFAN Appeal # 902

` }

# ATTACHMENT A

# PERMIT UNDER REIVEW

as attached to Appellant's Notice of Appeal

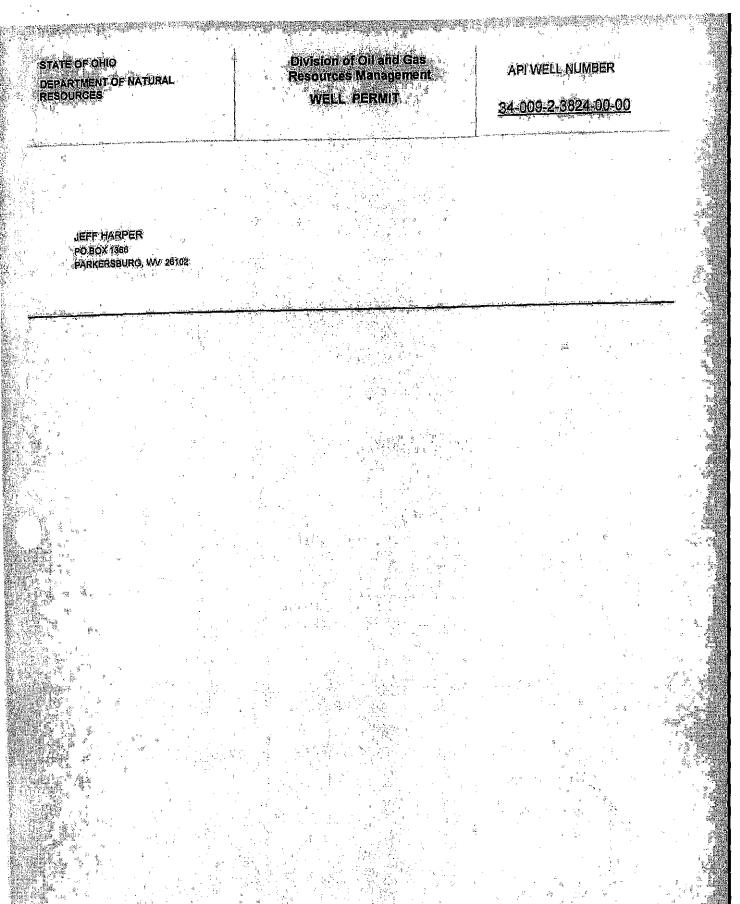
STATE OF OHIO DEPARTMENT OF NATURAL RESOURCES	Division of Oil and Gas Resources Managemen WELL PERMIT		
OWNER NAME ADDRESS		DATE ISSUED	PERMITEXPIRES
K&H PARTNERS LLC 2180 HARRIS HIGHWAY		3/18/2015	3/17/2017
WASHINGTON	WV 26181	TELEPHONE NUMBE	r (304) 863-8867
IS HEREBY GRANTED PERMISSION TO: Salt PURPOSE OF WELL: Water Injection - Dispose COMPLETION DATE IF PERMIT TO PLUG:		ND ABANDON WE	ILL IF UNPRODUCTIVE
DESIGNATION AND LOCATION: LEASE NAME R&H (SWIW#) WELL NUMBER 3 COUNTY ATHENS CIVIL TOWNSHIP TROY TRACTOR ALLOTMENT SURFACE FOOTAGE LOCATION TABOET FOOTAGE LOCATION	<b>/1)}</b>	SURFACE NAD2 X: 2212916 Y: 460713 LAT: 59:2350821 LONG: 61.7485127	86621B
TYPE OF TOOLS: AP Rotary PROPOSED TOTAL DEPTH BROUND LEVEL ELEVATION		GEOLOGICAL FOR OFIIO SHALE/MAR	
ASING PROGRAM (CASING MUST BE CI 13-3/8" CONDUCTOR APPROX. 100 CEMEN 9-5/8" SURFACE CASING MINIMUM OF 200 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER (	CEMENTED TO SURFACE M OF 100 ABOVE INJECTION ZONE	VAL OF THE OIL A	nd gas inspector):
13-3/8" CONDUCTOR APPROX. IOU CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER (	ITED TO SURFACE CEMENTED TO SURFACE MOF 300' ABOVE INJECTION ZONE @ 10' ABOVE INJECTION ZONE		
13-3/8" CONDUCTOR APPROX. 100 CEMEN 95/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750 CEMENTED TO A MINIMU 2.3/8" TUBING @ 2040" SET ON A PACKER (	ITED TO SURFACE CEMENTED TO SURFACE MOF 300' ABOVE INJECTION ZONE & 10' ABOVE INJECTION ZONE an exact copy thereof, must be displayed in a conspir in exact copy thereof, must be displayed in a conspir in scompleted, Ample ridtification to inspection is nec	vious and easily access	
13-3/8" CONDUCTOR APPROX. 100 CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2 3/8" TUBING @ 2040" SET ON A PACKER ( This pamilies NGT TRANSFERABLE. This pamile of permitted activity commences and remain unit the we DIL AND GAS WELL INSPECTOR: ON SCOTT (740) 624-4963 AN GOINS - Supervisor (6/4) 264-6724 ISTRICT #" (740) 285-6411 INSPECTOR NOTIFICATION.	ITED TO SURFACE CEMENTED TO SURFACE M OF 100' ABOVE INJECTION ZONE (a) 10' ABOVE INJECTION ZONE ar exact copy thereof, must be displayed in a conspir illing completed. Ample fidtification to respector te nec FIRE AND EMERGI (FIRE: MEDICAL SERVIC)	uous and easily access ssary ENCY NUMBERS ( ) ~911	
13-3/8" CONDUCTOR APPROX. IND CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER ( This permitted adjuity commences and femalic until the we permitted adjuity commences and femalic until the we DIL AND GAS WELL INSPECTOR: ON SCOTT (740) 624-4963 AN GOINS - Supervisor (613) 984-6724 INSPECTOR NOTIFICATION The oil and gas inspector must be notified at least 24 0. Commencement of site construction 2. Pit excavation and closure 8. Commencement of drilling, reopening, converting 4. Installation and computing of all casing strings 6. BOPL testing 6. Well stimulation	ITED TO SURFACE CEMENTED TO SURFACE M OF 100' ABOVE INJECTION ZONE (an exact copy thereof, must be displayed in a conspir- ill's completed. Ample fidification to inspectar is neo FIRE AND EMERGI (FIRE: MEDIOAL SERVIC)	ugus and easily access ssary ENCY NUNBERS ( ) ~911	
13-3/8" CONDUCTOR APPROX. IND CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER ( This pamilus NOT TRANSFERABLE. This permits or permitted activity commences and femain until the we DIL AND GAS WELL INSPECTOR: ON SCOTT (740) 624-4963 AN GOINS - Supervisor (614) 964-6724 INSPECTOR NOTIFICATION The oil and gas inspector must be notified at least 24 Commencement of site construction 2 Pit excavation and closure 8. Commencement of drilling, reopening, converting 4. Installation and committing of all casing strings 6. BORD and the committing of all casing strings	ITED TO SURFACE CEMENTED TO SURFACE M OF 100' ABOVE INJECTION ZONE (an exact copy thereof, must be displayed in a conspir- ill's completed. Ample fidification to inspectar is neo FIRE AND EMERGI (FIRE: MEDIOAL SERVIC)	ugus and easily access ssary ENCY NUNBERS ( ) ~911	
13-3/8" CONDUCTOR APPROX. 100 CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER ( This pamilus NOT TRANSFERABLE. This permits or permitted activity commences and femain until the we 01. AND GAS WELL INSPECTOR: ON SCOTT (740) 624-4963 AN GOINS - Supervisor (614) 264-6724 INSPECTOR NOTIFICATION The oil and gas inspector must be notified at least 24 - Commencement of drilling, reopening, converting 8. Commencement of drilling, reopening, converting 9. How available and construction 7. Plugging operations 8. Well gad construction. The oil and gas inspector must be notified immediat	ITED TO SURFACE CEMENTED TO SURFACE MOF 300 ABOVE INJECTION ZONE at exact copy thereof, must be displayed in a complete it is completed. Ample ridification to respector is nec FIRE AND EMERGI FIRE: MEDICAL SERVICI I hours prior to. g or plugback operations	uous and easily access ssary ENCY NUMBERS ( ) -911 € ( ) -911	ible place at the well site before
13-3/8" CONDUCTOR APPROX. IND CEMEN 9-5/8" SURFACE CASING MINIMUM OF 300 7" CASING 1750" CEMENTED TO A MINIMU 2-3/8" TUBING @ 2040" SET ON A PACKER ( This permitted adjuity commences and femalic until the we permitted adjuity commences and femalic until the we 01L AND GAS WELL INSPECTOR: ON SCOTT (740) 624-4963 AN GOINS - Supervisor (613) 984-6724 ISTRICT # (740) 624-4963 AN GOINS - Supervisor (740) 624-6724 ISTRICT # (740) 288-6411 INSPECTOR NOTIFICATION The oil and gas inspector must be notified at least 24 0. Commencement of site construction 2. Pit excavation and closure 8. Commencement of drilling, reopening, converting 4. Installation and construction 2. Pit excavation and closure 8. Commencement of drilling reopening, converting 4. Installation and community of all casing strings 5. BOP testing 6. Well stimulation 7. Plugging operations 8. Well gad construction	ITED TO SURFACE CEMENTED TO SURFACE MOF 100' ABOVE INJECTION ZONE (a) 10' ABOVE INJECTION ZONE (b) 20' ABOVE INJECTION ZONE (c) ABOVE INJECTION ZONE (c	ugus and easily access ssary ENCY NUNBERS ( ) ~911	ble place at the well site before

DNR 5606 (Rev. 6/10)

ngthai sect

Questingage,

in the state of the and an and a second second second



DNR 5606 (Rev. 6/10)

#### PERMIT CONDITIONS - CLASS II SALTWATER INJECTION WELL - DRILL NEW WELL

#### RE: Permit #2-3824, SWIW #11, K & H Partners No. 3, Troy Township, Athens County, Ohio

#### **Constructional conditions:**

- 1. The 7" casing must be enclosed with Class A cement from the total depth to approximately 1750 feet (minimum of 300 feet above the top of the injection zone).
- 2. Bow-string or rigid centralizers must be used to provide sufficient casing stand off and foster effective circulation of cement to isolate critical zones including aquifers, flow zones, voids, lost circulation zones, and bydrocarbon-bearing zones.
- 3. K & H Partners, LLC shall run at minimum, a gamma ray, compensated density-neutron, and resistivity geophysical log. A copy of this geophysical log must be submitted to the UIC Section within 48 hours after the geophysical logging has been accomplished.
- 4. Injection tubing must be set on a packer at approximately 2040 feet. A 1/4", female, threaded fitting with a stop valve must be installed on the tubing and accessible at the surface.
- 5. The annular space between the injection tubing and the 7" production casing must be filled with a fluid (e.g., freshwater with a corrosion inhibitor additive), pressure tested to at least 475 psi, and monitored for at least 15 minutes with no more than a five percent decline in pressure. Additionally, the injection line must also be tested to 475 psi for 15 minutes with no more than a five percent decline.
- 6. The UIC Section and the Mineral Resources Inspector must be notified at a <u>minimum of 48 hours</u> in advance of the time of cementing, placing and removing of casing, installation of the tubing and packer, testing of the casing, construction of the surface facilities, pressure testing of the injection line, and initial injection so that a representative of the Division can be present to witness the operations. The Division must also be notified in advance of any subsequent removal of the injection tubing or resetting the packer. A pressure test will also be required.
- 7. Surface facilities as proposed in the application are satisfactory and must be constructed under the supervision of a representative of the Division. A concrete pad with drain must be constructed so as to contain any spillage of saltwater during unloading from the trucks. Any proposed changes in the

surface facilities must be submitted in writing and must have prior approval of the UIC Section.

- 8. If an unloading pad is to be constructed, the underground concrete vault associated with the catch basin on the unloading pad shall be of one-piece construction and if the concrete vault has a detached lid, the lid must be exposed above the ground level. Additionally, the inside walls of the concrete vault shall be sealed with a salt-corrosion type material such as an asphalt-based coating to prevent deterioration of the vault from the brine water.
- 9. A Well Construction Record (Form 8) must be submitted within 30 days after completion describing how the well was completed for injection operations. This report should include the amount and grade of tubing, type and depth of packer, treatment of the injection formation, testing of the system integrity, method used to monitor pressure in the annulus and injection tubing, and method used to monitor volumes of injected fluid.
- 10. A Murphy Switch or other cut-off switch device must be in-line with the injection pump and set at the maximum allowable surface injection pressure of 475 psi, so that the pump will automatically shut-down upon exceeding the maximum allowable surface injection pressure.
- 11. K & H Partners, LLC shall notify the Division in writing prior to the initiation of injection operations and injection operations shall not commence until the Division provides K & H Partners, LLC with written approval that authorizes injection. Operational conditions to the permit shall be issued with the written approval.
- 12. K & H Partners, LLC shall monitor for seismicity in at least three locations approved by the Division in the area of the proposed wellsite for a minimum of 60 days prior to beginning injection operations. The monitoring will be required to continue in accordance with the written approval that authorizes injection.
- 13. Prior to initiation of injection operations, two Oriskany wells (P #3575 and P #3572) within the Area of Review (AOR) shall be properly plugged and abandoned in accordance with Division standards. In addition to the regularly required plug intervals, K & H Partners, LLC shall plug over and at least 100 feet above the proposed injection interval.