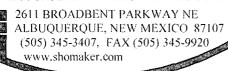
JOHN SHOMAKER & ASSOCIATES, INC.

WATER-RESOURCE AND ENVIRONMENTAL CONSULTANTS



TECHNICAL MEMORANDUM

To: Ted J. Trujillo, Esq., Law Offices of Ted J. Trujillo, P.A.

From: Steven T. Finch, Jr., Senior Hydrogeologist-Geochemist

Date: June 17, 2008

Subject: Potential hydrologic impacts to surface- and ground-water resources within Rio

Arriba County caused by the drilling of oil wells by Approach Operating, LLC.

This memorandum supports the basis for potential hydrologic impacts to surface- and ground-water resources within Rio Arriba County caused by the drilling of oil wells by Approach Operating, LLC. Four well drilling permits were granted by the New Mexico Oil Conservation Division (NMOCD) to Approach Operating, LLC. An additional six oil and gas well applications have been submitted to the NMOCD. A list of the well permits is provided as Table 1, and locations of proposed and permitted wells are shown on Figure 1. The Board of County Commissioners of Rio Arriba requested a hearing from the NMOCD to show that the drilling of the wells listed in Table 1 will cause waste, violate correlative rights and be injurious to human health and the environment.

Table 1. Summary of well permits for Approach Operating, LLC

well API No.	name	location	elevation, ft amsl	proposed depth, ft bgl
30-039-30342	Sultemeier Well No. 1	T27N R4E 19	7,590	6,000
30-039-30386	Sena Well No. 1	T28N R4E 10	7,955	2,000
30-039-30394	Sena Well No. 2	T28N R4E 16	7,823	2,000
30-039-30397	Woolley Family LP Well No. 1	T28N R5E 3	9,922	2,000

ft amsl - feet above mean sea level

ft bgl - feet below ground level

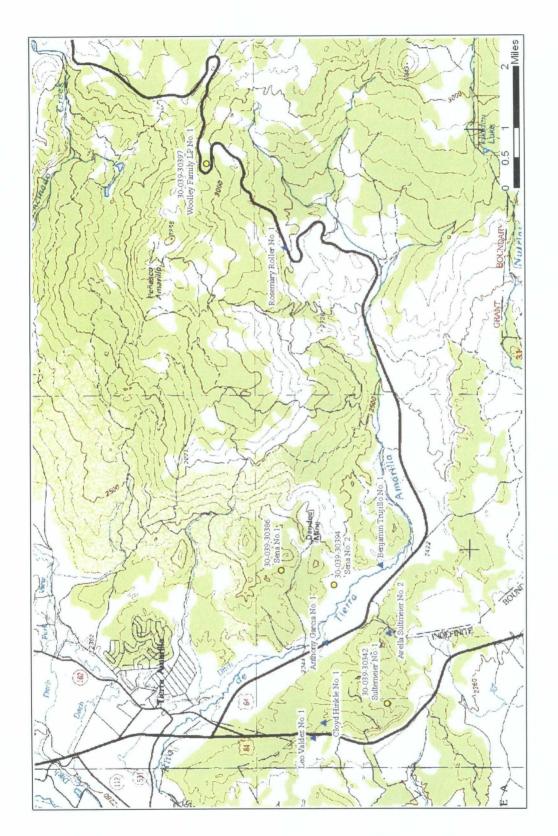


Figure 1. Topographic map showing the location of protested NMOCD well permits (yellow circles) and permit applications (triangles) in the Rio de Tierra Amarilla Watershed, Rio Arriba County.

Description of Water Resources near Proposed Wells

The permitted wells are located in the Rio de Tierra Amarilla watershed, upstream of Tierra Amarilla, New Mexico (Fig. 1). The Rio de Tierra Amarilla is one of the major perennial tributaries to the Rio Chama. The New Mexico Water Quality Control Commission (NMWQCC, 20 NMAC 6.1 2116) has the following Designated Uses to the Rio de Tierra Amarilla:

- domestic water supply
- fish culture
- high quality coldwater fishery
- irrigation
- livestock watering
- wildlife habitat
- secondary contact

Not shown on Figure 1, is a detailed network of irrigation ditches and irrigated agricultural lands that rely on the Rio de Tierra Amarilla and associated tributaries.

Precipitation in the form of accumulated snowpack and summer monsoon storms accounts for the majority of runoff to Rio de Tierra Amarilla. Spring snowmelt typically results in overland and sheet flow conditions.

Water-supply wells in the vicinity primarily yield ground water from shallow alluvium. The rocks (particularly the Mancos Shale) underlying the alluvium are generally low yielding. The shallow alluvium is recharged by surface water, and is in direct communication.

The NMWQCC has developed water-quality standards for the designated uses described above. A summary of selected NMWQCC standards is shown as Table 2.

Table 2. Summary of selected NMWQCC standards for designated uses

designated use	constituent	unit	standard
	dissolved oxygen	mg/L	> 6.0
	рН	standard	6.6 to 8.8
high quality cold-water fishery	phosphorous	mg/L	<0.1
lingh quanty cold-water fishery	total organic carbon	mg/L	<7
	turbidity	NTU	<10
	conductivity	μS/cm	300 to 1,500
	dissolved nitrate	mg/L	10
domestic water supply	dissolved uranium	mg/L	0.3
	gross alpha	pCi/L	15
wildlife habitat	recoverable selenium	μg/L	2
wilding nabitat	total mercury	μg/L	0.012

mg/L - milligrams per liter μg/cm - micrograms per centimeter μg/L - micrograms per liter NTU - nephelometric turbidity units pCi/L - picocuries per liter

For Wildlife Habitat, 20 NMAC 6.1 3101 L states the following: "no discharge shall contain any substance, including, but not limited to selenium, DDT, PCB's and dioxin, at a level which, when added to background concentrations, can lead to bioaccumulation to toxic levels in any animal species."

Proximity of NMOCD Permitted Wells to Water Resources

The NMOCD well permits list information regarding depth to water, and distances to nearest fresh water well and surface water. Table 3 lists the information provided on the NMOCD well permits regarding depth to water, nearest fresh water well, and nearest surface water.

Table 3. Summary of Approach Operating, LLC well permit information

well API No.	name	elevation, ft amsl	depth to water on permit, ft bgl	distance to nearest fresh-water well, ft	distance to nearest surface water, ft
30-039-30342	Sultemeier Well No. 1	7,590	>100 (83)	>1,000 (5,150)	>200
30-039-30386	Sena Well No. 1	7,955	>100	>1,000	>200 (Nutrias Ditch No. 1)
30-039-30394	Sena Well No. 2	7,823	>100	>1,000	<1,000
30-039-30397	Woolley Family LP Well No. 1	9,922	>100	>1,000	>1,000

ft amsl - feet above mean sea level

ft bgl - feet below ground level

The information listed on the NMOCD well permits (Table 3) appears to be estimated and not site specific. Aerial photographs showing well locations are presented as Figures 2 and 3. A close examination of Figure 2 shows several surface-water ponds within 500 ft of Woolley Family LP Well No. 1. These surface-water ponds are the head waters for the Rio de Tierra Amarilla, and important sources of water for wildlife and livestock. The Sultemeier Well No. 1 and Sena No. 2 (Fig. 3) are located in or adjacent to natural drainages that likely convey surface water during spring runoff and summer storms. The Sena No. 1 location appears to be on a ridge, and approximately 500 ft on either side of the ridge are surface-water drainages with ponds and irrigation ditches. The Sena No. 1 permit lists the Nutrias Ditch No. 1 as greater than 200 ft from the proposed well location.

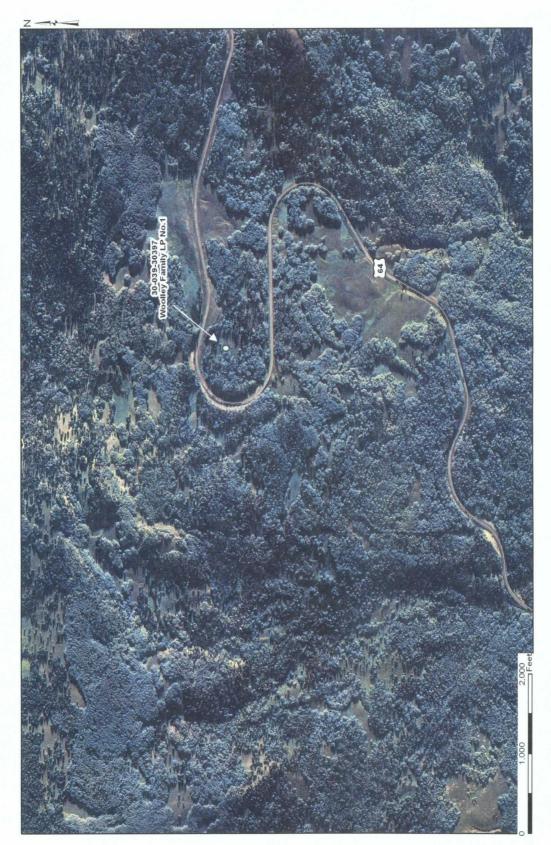


Figure 2. Aerial photograph showing Woolley Family LP No. 1 well permit location.

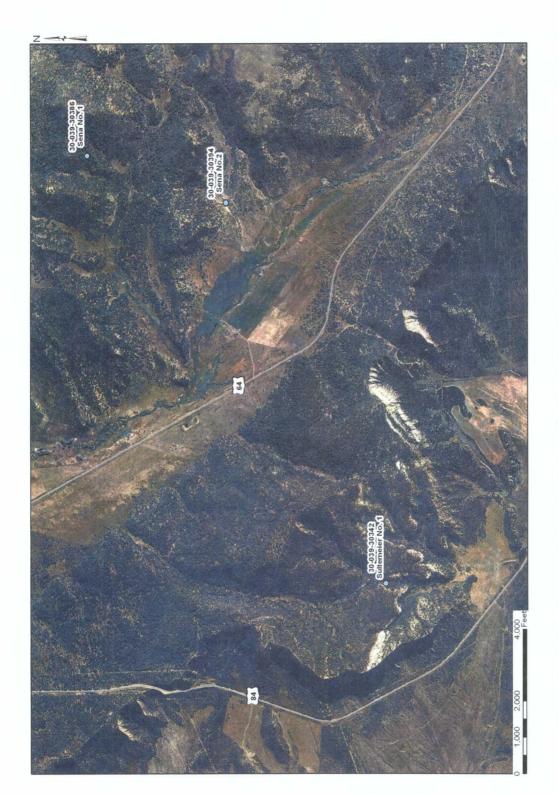


Figure 3. Aerial photograph showing Sultemeier No. 1, Sena No. 1, and Sena No. 2 permit locations.

Depth to water for each NMOCD well permit location can not be determined without site-specific data. In general, the water table is shallow and follows the land surface. Flat grassy areas in the head waters of the Rio de Tierra Amarilla and other tributaries to the Chama River have ponded water during spring runoff and depth to water less than 25 ft for the remainder of the year (NMOSE Rancho Lobo hearing exhibits).

Proposed Drilling Methods

All four permits state that the wells will be drilled using air-rotary methods. Lined pits are listed on the drilling permits, using 6 to 12 millimeter thick synthetic liner material. The pit volume is to be 4,000 barrels (bbls), which is equivalent to 168,000 gallons. A pit 5 ft in depth would require approximately 5,500 ft² of area (75 ft by 75 ft), and a pit 10 ft in depth would require approximately 2,500 ft² of area (50 ft by 50 ft).

The first 350 ft of each hole is proposed to be 12-1/4-inch diameter, with 9-5/8-inch casing to be installed and cemented. This will allow for a 1.3 inch annulus for the cement seal. The remainder of the drill holes will be 8-3/4-inch diameter with 4-1/2-inch casing cemented in place. The 4-1/2-inch casing will have a 2.1-inch annulus for cement seal.

Potential Sources of Waste and Contaminants

Typically air-rotary drilling methods do not involve the use of drilling fluids, and the hole can be drilled and cleaned by use of air. Drilling fluids are generated when the formation contains ground water, and sometimes water and additives are used to stabilize the formation or assist with borehole cleaning while drilling. The water-well drilling industry uses drilling fluid additives that are protective of ground-water quality and approved by the American Water Works Association (AWWA), where the Oil and Gas drilling industry typically does not use AWWA approved products. Drilling additives for air-rotary drilling may include foaming agents or other products for increasing the viscosity of the fluid.

As previously mentioned, formation water may be produced during drilling and disposed of in a pit. The primary formation drilled will be the Mancos Shale and associated sandstone lenses. Based on data from the San Juan Basin area to the west of Tierra Amarilla Grant, water in these sandstone lenses can be brackish to saline (2,000 to 13,000 milligrams per liter (mg/L) total dissolved solids) (USGS publications, NMOCD records). In comparison, the total dissolved solids (TDS) content of the surface-water sources for the Rio Chama and associated shallow ground water is less than 1,000 mg/L, and more commonly in the range of 100 to 500 mg/L (NMED, 1980). Sampled spring runoff in the San Juan Mountains has a TDS less than 50 mg/L (Finch, 1991).

¹ NMED, 1980, Chemical quality of New Mexico community water supplies, pp. 172-183.

² Finch, S. T., 1991, Characterization of geochemical processes in a sensitive alpine watershed dominated by sulfide-bearing alkaline rocks, San Juan Mountains, Colorado: Master of Science in Geology Thesis, Northern Arizona, University, 196 p.

Fuels and oils related to the drilling rig and support equipment are the most toxic sources of contaminants. Air-rotary drilling operations require diesel powered engines and air compressors, and hydraulic equipment. Spills and leaks from equipment or storage containers can be significant. All drilling operations should have spill prevention measures such as lined and bermed storage facilities, and aprons for drilling equipment.

Potential for Water-Quality Impacts

The Woolley Family LP Well No. 1, Sultemeier Well No. 1, and Sena Well No. 2 locations are too close to natural water drainages and sources. The Rio de Tierra Amarilla watershed (as well as the Rio Chama) is predominantly a surface-water system that is one of the most important sources of surface water in the State of New Mexico. The NMWQCC stream quality standards for the Rio Chama watershed (Table 2) were developed to protect this source of water. Siting Oil and Gas wells in close proximity to surface- and ground-water resources significantly increases the risk for contamination and water-quality impact.

The four NMOCD drilling permits allow for the construction of 4,000 bbl pits at each site. It is likely these pits would be covered with fill material and left in place after drilling had been completed. The required synthetic liner ranges in thickness from 6 to 12 millimeters, which is equivalent to some trash bags. The pit construction, potential waste, and potential pit closure methods poses the greatest risk to surface- and ground-water resources. The NMOCD well permits are in conflict with the new NMOCD Pit Rule (19.15.17 NMAC) siting requirements. Due to the hydrologic conditions of the four sites, the new Pit Rule would likely require closed-loop system instead of temporary pits, or more stringent requirements for a temporary pit.

For NMOCD well permits, requirements are needed to protect surface and ground water from fuel and oil spills related to drilling equipment and facilities. Also, required monitoring for potential sources of contaminants would ensure the drill site has been reclaimed without damaging water resources.

The proposed well construction does not consider an adequate annular seal (theoretical = 1.3 inches for surface casing). The surface casing should have at least a 2-inch annular cement seal to prevent upward leakage of saline water.

JOHN SHOMAKER & ASSOCIATES, INC.

WATER-RESOURCE AND ENVIRONMENTAL CONSULTANTS



2611 BROADBENT PARKWAY NE ALBUOUEROUE, NEW MEXICO 87107 (505) 345-3407, FAX (505) 345-9920 www.shomaker.com

TECHNICAL MEMORANDUM

To:

Ted J. Trujillo, Esq., Law Offices of Ted J. Trujillo, P.A.

From:

Steven T. Finch, Jr., Senior Hydrogeologist-Geochemist

Date:

June 12, 2008

Subject: Potential hydrologic impacts to surface- and ground-water resources within Rio

Arriba County caused by the drilling of oil wells by Approach Operating, LLC.

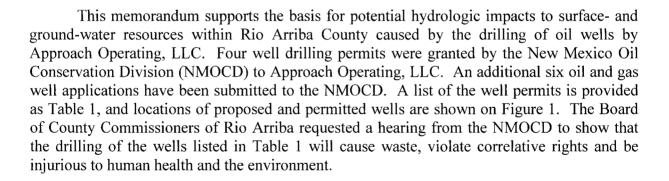


Table 1. Summary of well permits for Approach Operating, LLC

well API No.	name	location	elevation, ft amsl	proposed depth, ft bgl
30-039-30342	Sultemeier Well No. 1	T27N R4E 19	7,590	6,000
30-039-30386	Sena Well No. 1	T28N R4E 10	7,955	2,000
30-039-30394	Sena Well No. 2	T28N R4E 16	7,823	2,000
30-039-30397	Woolley Family LP Well No. 1	T28N R5E 3	9,922	2,000

ft amsl - feet above mean sea level

ft bgl - feet below ground level

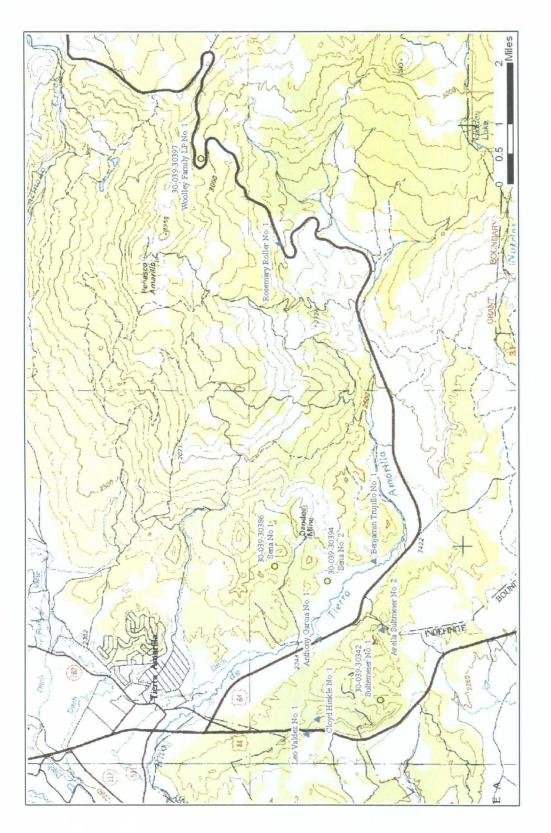


Figure 1. Topographic map showing the location of protested NMOCD well permits (yellow circles) and permit applications (triangles) in the Rio de Tierra Amarilla Watershed, Rio Arriba County.

Description of Water Resources near Proposed Wells

The permitted wells are located in the Rio de Tierra Amarilla watershed, upstream of Tierra Amarilla, New Mexico (Fig. 1). The Rio de Tierra Amarilla is one of the major perennial tributaries to the Rio Chama. The New Mexico Water Quality Control Commission (NMWQCC, 20 NMAC 6.1 2116) has the following Designated Uses to the Rio de Tierra Amarilla:

- domestic water supply
- fish culture
- high quality coldwater fishery
- irrigation
- livestock watering
- wildlife habitat
- secondary contact

Not shown on Figure 1, is a detailed network of irrigation ditches and irrigated agricultural lands that rely on the Rio de Tierra Amarilla and associated tributaries.

Precipitation in the form of accumulated snowpack and summer monsoon storms accounts for the majority of runoff to Rio de Tierra Amarilla. Spring snowmelt typically results in overland and sheet flow conditions.

Water-supply wells in the vicinity primarily yield ground water from shallow alluvium. The rocks (particularly the Mancos Shale) underlying the alluvium are generally low yielding. The shallow alluvium is recharged by surface water, and is in direct communication.

The NMWQCC has developed water-quality standards for the designated uses described above. A summary of selected NMWQCC standards is shown as Table 2.

Table 2. Summary of selected NMWQCC standards for designated uses

designated use	constituent	unit	standard
	dissolved oxygen	mg/L	> 6.0
	pH	standard	6.6 to 8.8
high quality and water fishers	phosphorous	mg/L	<0.1
high quality cold-water fishery	total organic carbon	mg/L	<7
	turbidity	NTU	<10
	conductivity	μS/cm	300 to 1,500
	dissolved nitrate	mg/L	10
domestic water supply	dissolved uranium	mg/L	0.3
	gross alpha	pCi/L	15
wildlife bakitat	recoverable selenium	μg/L	2
wildlife habitat	total mercury	μg/L	0.012

mg/L - milligrams per liter μg/cm - micrograms per centimeter μg/L - micrograms per liter NTU - nephelometric turbidity units pCi/L - picocuries per liter

For Wildlife Habitat, 20 NMAC 6.1 3101 L states the following: "no discharge shall contain any substance, including, but not limited to selenium, DDT, PCB's and dioxin, at a level which, when added to background concentrations, can lead to bioaccumulation to toxic levels in any animal species."

Proximity of NMOCD Permitted Wells to Water Resources

The NMOCD well permits list information regarding depth to water, and distances to nearest fresh water well and surface water. Table 3 lists the information provided on the NMOCD well permits regarding depth to water, nearest fresh water well, and nearest surface water.

Table 3. Summary of Approach Operating, LLC well permit information

well API No.	name	elevation, ft amsl	depth to water on permit, ft bgl	distance to nearest fresh-water well, ft	distance to nearest surface water, ft
30-039-30342	Sultemeier Well No. 1	7,590	>100 (83)	>1,000 (5,150)	>200
30-039-30386	Sena Well No. 1	7,955	>100	>1,000	>200 (Nutrias Ditch No. 1)
30-039-30394	Sena Well No. 2	7,823	>100	>1,000	<1,000
30-039-30397	Woolley Family LP Well No. 1	9,922	>100	>1,000	>1,000

ft amsl - feet above mean sea level

ft bgl - feet below ground level

The information listed on the NMOCD well permits (Table 3) appears to be estimated and not site specific. Aerial photographs showing well locations are presented as Figures 2 and 3. A close examination of Figure 2 shows several surface-water ponds within 500 ft of Woolley Family LP Well No. 1. These surface-water ponds are the head waters for the Rio de Tierra Amarilla, and important sources of water for wildlife and livestock. The Sultemeier Well No. 1 and Sena No. 2 (Fig. 3) are located in or adjacent to natural drainages that likely convey surface water during spring runoff and summer storms. The Sena No. 1 location appears to be on a ridge, and approximately 500 ft on either side of the ridge are surface-water drainages with ponds and irrigation ditches. The Sena No. 1 permit lists the Nutrias Ditch No. 1 as greater than 200 ft from the proposed well location.

Figure 2. Aerial photograph showing Woolley Family LP No. 1 well permit location.



Figure 3. Aerial photograph showing Sultemeier No. 1, Sena No. 1, and Sena No. 2 permit locations.

Depth to water for each NMOCD well permit location can not be determined without site-specific data. In general, the water table is shallow and follows the land surface. Flat grassy areas in the head waters of the Rio de Tierra Amarilla and other tributaries to the Chama River have ponded water during spring runoff and depth to water less than 25 ft for the remainder of the year (NMOSE Rancho Lobo hearing exhibits).

Proposed Drilling Methods

All four permits state that the wells will be drilled using air-rotary methods. Lined pits are listed on the drilling permits, using 6 to 12 millimeter thick synthetic liner material. The pit volume is to be 4,000 barrels (bbls), which is equivalent to 168,000 gallons. A pit 5 ft in depth would require approximately 5,500 ft² of area (75 ft by 75 ft), and a pit 10 ft in depth would require approximately 2,500 ft² of area (50 ft by 50 ft).

The first 350 ft of each hole is proposed to be 12-1/4-inch diameter, with 9-5/8-inch casing to be installed and cemented. This will allow for a 1.3 inch annulus for the cement seal. The remainder of the drill holes will be 8-3/4-inch diameter with 4-1/2-inch casing cemented in place. The 4-1/2-inch casing will have a 2.1-inch annulus for cement seal.

Potential Sources of Waste and Contaminants

Typically air-rotary drilling methods do not involve the use of drilling fluids, and the hole can be drilled and cleaned by use of air. Drilling fluids are generated when the formation contains ground water, and sometimes water and additives are used to stabilize the formation or assist with borehole cleaning while drilling. The water-well drilling industry uses drilling fluid additives that are protective of ground-water quality and approved by the American Water Works Association (AWWA), where the Oil and Gas drilling industry typically does not use AWWA approved products. Drilling additives for air-rotary drilling may include foaming agents or other products for increasing the viscosity of the fluid.

As previously mentioned, formation water may be produced during drilling and disposed of in a pit. The primary formation drilled will be the Mancos Shale and associated sandstone lenses. Based on data from the San Juan Basin area to the west of Tierra Amarilla Grant, water in these sandstone lenses can be brackish to saline (2,000 to 13,000 milligrams per liter (mg/L) total dissolved solids) (USGS publications, NMOCD records). In comparison, the total dissolved solids (TDS) content of the surface-water sources for the Rio Chama and associated shallow ground water is less than 1,000 mg/L, and more commonly in the range of 100 to 500 mg/L (NMED, 1980). Sampled spring runoff in the San Juan Mountains has a TDS less than 50 mg/L (Finch, 1991).

¹ NMED, 1980, Chemical quality of New Mexico community water supplies, pp. 172-183.

² Finch, S. T., 1991, Characterization of geochemical processes in a sensitive alpine watershed dominated by sulfide-bearing alkaline rocks, San Juan Mountains, Colorado: Master of Science in Geology Thesis, Northern Arizona, University, 196 p.

Fuels and oils related to the drilling rig and support equipment are the most toxic sources of contaminants. Air-rotary drilling operations require diesel powered engines and air compressors, and hydraulic equipment. Spills and leaks from equipment or storage containers can be significant. All drilling operations should have spill prevention measures such as lined and bermed storage facilities, and aprons for drilling equipment.

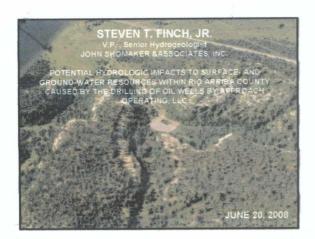
Potential for Water-Quality Impacts

The Woolley Family LP Well No. 1, Sultemeier Well No. 1, and Sena Well No. 2 locations are too close to natural water drainages and sources. The Rio de Tierra Amarilla watershed (as well as the Rio Chama) is predominantly a surface-water system that is one of the most important sources of surface water in the State of New Mexico. The NMWQCC stream quality standards for the Rio Chama watershed (Table 2) were developed to protect this source of water. Siting Oil and Gas wells in close proximity to surface- and ground-water resources significantly increases the risk for contamination and water-quality impact.

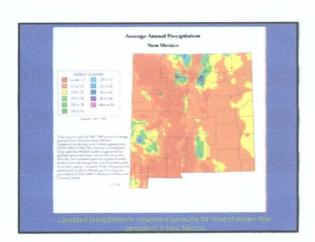
The four NMOCD drilling permits allow for the construction of 4,000 bbl pits at each site. It is likely these pits would be covered with fill material and left in place after drilling had been completed. The required synthetic liner ranges in thickness from 6 to 12 millimeters, which is equivalent to some trash bags. The pit construction, potential waste, and potential pit closure methods poses the greatest risk to surface- and ground-water resources. The NMOCD well permits are in conflict with the new NMOCD Pit Rule (19.15.17 NMAC) siting requirements. Due to the hydrologic conditions of the four sites, the new Pit Rule would likely require closed-loop system instead of temporary pits, or more stringent requirements for a temporary pit.

For NMOCD well permits, requirements are needed to protect surface and ground water from fuel and oil spills related to drilling equipment and facilities. Also, required monitoring for potential sources of contaminants would ensure the drill site has been reclaimed without damaging water resources.

The proposed well construction does not consider an adequate annular seal (theoretical = 1.3 inches for surface casing). The surface casing should have at least a 2-inch annular cement seal to prevent upward leakage of saline water.



- Surface-water resources of region
 Location of proposed and permitted wells to surface water features
 Ground-water resource of region
 Proposed oil well drilling methods and construction



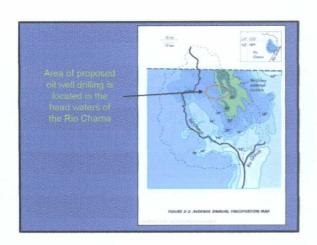
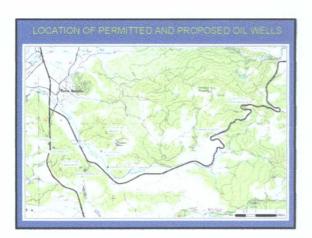
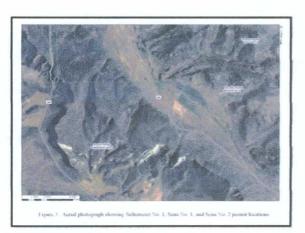


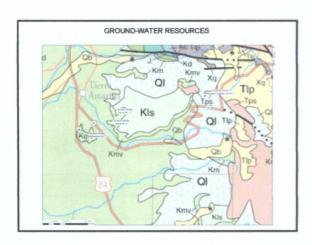
Table 2. Summary of	selected NMWQCC stan	dards for designs	ited uses
designated use	constituent	unit	standard
	dissolved oxygen	mg L	- 6.0
	pH	standard	6.6 to 8.8
	phosphorous	mg L	- 0.1
high quality cold-water fishery	total organic carbon	rng I.	-7
	turbidity	NTU	-10
	conductivity	µS cm	300 to 1,500
	dissolved nitrate	mg 1.	10
domestic water supply	dissolved uranium	mg 1.	0.3
	gross alpha	pCi1.	15
wildlife habitat	recoverable selenium	pag L	2
WHORIC HADILII	total mercury	ptg L	0.912
ng L - milligrams per liter ag cm - mer ograms per continueler ag L - mer ograms per liter		NTU - nephrlon pCrL - preocurs	ettic turbidity unit es per liter

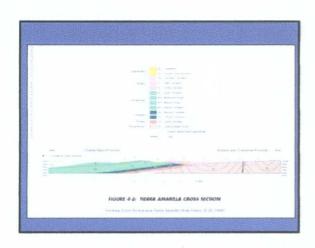


well API No.	nator	clevation, ft annal	depth to water on permit, it byf	distance to nearest fresh-water well, ft	distance to nearyst surface water.
30-039-30342	Sultemeter Well No. 1	7,990	100 (83)	(5,150)	200
30-039-30386	Sena Well No. 1	7,955	-100	1,000	-200 (Nutrias Disch No.
30-039-30394	Sena Well No. 2	7.823	100	1,000	1,000
30-039-30397	Woolley Family LP Well No. 1	9,922	-100	1,000	1,000
ff and - feet above	re trean sea level			fl. hgf - first hold	e ground level









DB File Nite	Use	Owner	Location TRGqqq	Depth Well (ft)	Depth Water (ft)
RG 74579	STK	DAVID R. MARTINEZ	27N 04E 34 2 4 1	10	
RG 70941	STK	ALEX SISNEROS	27N 04E 26 2 4 2	12	
RG 29195	DOM	ABELINO ORTIZ	27N 04E 35 3 1	36	
PG 62904	DOM	WINDELL WAYNE COWAN	29N 04E 10 2 3 2	75	- 1
RG 76780	DOM	PAUL GORDY	29N 04E 11 3 2 2	100	80
RG 76187	DOM	DEAN VANDOREN	29N 04E 23	100	16
RG 74957	STK	DAVID ARCHULETA	27N 04E 34 2 2 4	100	60
RG 64928	DOM	HAMID GHIASSI	29N 04E 08 4 4 4	100	- 6
RG 75041	DOM	RONALD J AND PATRICIA K FUSS	29N 05E 19	120	73
RG 27785	DOM	TOBIAS SANCHEZ	27N 04E 13 2	143	83
PG 70846	DOM	LARRY ABRAHAM	29N 04E 11	150	- 40
RG 36927	NOT	EMITT MUNDY	29N 05E	155	86
	DOM	DIANA & DAVID S. MATTOON	29N 05E 18	160	100
AG 65516	SAN	JOHNNY P. OTERO	29N 04E 05	180	
RG 88739	DOM	JOSEPH E BISH	29N 05E 19	260	91
RG 80529	DOM	KENT R AUGUSTINE	29N 05E 19	300	205
RG 24272	MOW.	BRAZOS MOWCA INC	29N 05E 18 4 1 4	318	140
RG 71345	EXP	BRAZOS WATER COOPERATIVE AS	29N 05E 18 4 1 4	324	220
RG 78107	MUL	MUNDY RANCH	29N 05E 19	340	225
RG 82368	DOM	RONALD HYDE	29N 05E 18	350	200
RG 71215	DOM	KAREN EUDALY-ECKELS	29N 05E 18	404	-
RG 68412	DOM	JENNIFER CAPELLI	27N 04E 28 4 3 4	740	110
RG 21554	MOVV	CEBOLLA MDWCA	27N 04E 13 3 3 2	1167	619
SP 03347	MOW	CEBOLLA MOWCA	27N 04E 13 3 3 2	1167	619
			27N 04E 13 2 3 3	2610	620

Table 1. Summary of well permits for Approach Operating, LLC

well API No.	tatte	location	elevation, ft anisl	proposed depth ft hgl
10-039-30342	Sultomeier Well No. 1	127N R4E 19	7,590	6,000
30-039-30386	Sena Well No. 1	T28N R4E 10	7.955	2,000
10-039-30394	Sana Wall No. 2	T28N R4E 16	7,823	2,000
30-039-30397	Woolley Family LP Well No. 1	T28N R5E 3	9,922	2,000

- Preserve the acequia system and strengthen its role in community life

 Enhance growing season streamflows (by increasing storage or other means) so that agriculture is less limited by low peak-season flows

 Develop local agriculture with information, marketing, and financial support

 Provide reliable water supplies to community water systems

 Protect water quality

- Protect water quality
- Conserve and reuse water resources where appropriate
- Protect and restore upper watershed

Strategy: Regulate and discourage development in upper watershed GOAL: PROTECT AND RESTORE such recognition point, security in these many sonce and strategies for better managing water in our regi-and because it was mentioned frequently and positions by by local residents in many water planning meetings. OUR WATERSHEDS sized. Sydnological, and environmental sets of the principal problems insociated with horist buildings problems in factor form. As a recommenty comment to the recommentation of the acciding of most of our forms, and requires a condition of the section of the acciding of most of our forms, and requires our of the acciding of most of our forms, and requires the section of the acciding of most of our forms, and in particular forms in the section of the section of

- Prohibit development in upper watershed areas as recommended in the Rio Chama Regional Water Plan
 Implement hydrologic well siting evaluation before issuing drilling permits to ensure protection of surface water
 Use only closed loop systems in the Rio Chama watershed
- Require better annular seal to prevent upward migration of saline water or commingling of aquifers