HITP - _16_

GENERAL CORRESPONDENCE

YEAR(S): _2011_

ENSTOR
An Iberdrola Renewables Company

RECEIVED OCD
2011 FEB 18 A 11: 10

February 17, 2011

Mr. Brad Jones
New Mexico Oil Conservation Division
1120 South St. Francis Dr.
Santa Fe, New Mexico 87505

Dear Mr. Jones,

RE: Notice of Withdrawal and Intent to Rescind the following:
Request for Individual Temporary Permission for Hydrostatic Test Dewatering
Notice of Intent to Dewater New 8-inch Diameter Natural Gas Flowline
Enstor Grama Ridge Storage and Transportation, LLC ("Enstor")
Grama Ridge Morrow Storage Unit ("Grama Ridge")
Lea County, New Mexico

As referenced above, it is Enstor's intention to withdraw and rescind the Request for Temporary Permission for Hydrostatic Test Dewatering of a new 8-inch diameter natural gas flowline at Grama Ridge (the "Request"). The Request was dated January 25, 2011. This action is taken in response to your suggestion to withdraw the Request and submit instead a Request for Annual Temporary Permission to Discharge Hydrostatic Test Water (an "ATP"). That ATP accompanies this correspondence.

Pursuant to our telephone discussion, the filing fee in the amount of $100.00, payable to the Water Quality Management Fund, which accompanied the NOI shall be applied toward the Request for Annual Temporary Permission referenced above.

Thank you for your attention to this matter, and we look forward to your prompt review of the ATP. Please feel free to contact me anytime at (281) 374-3062.

Sincerely,

Daryl W. Gee
Director, Regulatory Affairs & Land Management

20329 State Highway 249, Suite 400
Houston, TX 77070
Telephone (281) 379-7400
www.enstorinc.com

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 1/26/11

or cash received on _____ in the amount of $ 100 00

from: Enstar

for HITP-16

Submitted by: Lawrence Romero Date: 2/23/11

Submitted to ASD by: Kristen Romero Date: 2/23/11

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2010

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

CONESTOGA-ROVERS & ASSOCIATES

2135 S. Loop 250 West
Midland, Texas 79703
Telephone: (432) 686-0086 Fax: (432) 686-0186
www.CRAworld.com

TRANSMITTAL

DATE: January 26, 2011

REFERENCE NO.: 055212-11

PROJECT NAME: Grama Ridge NOI: Remove and Dispose Hydrotest Water for 8" Flowline

TO: Brad Jones
New Mexico Oil Conservation Division
1120 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED OCD
2011 JAN 27 A 11:51

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☐ Final
- ☒ Other — Original & Two (2) copies + Filing Fee

Sent via:
- ☐ Mail
- ☒ Overnight Courier
- ☐ Same Day Courier
- ☐ Other

QUANTITY	DESCRIPTION
1	Original: Request for Individual Temporary Permission for Hydrostatic Test Dewatering. New 8" Flowline. Enstor Grama Ridge Storage and Transportation, LLC.
2	Copies of request.
1	Check #1322 in the amount of $100.00.

- ☐ As Requested
- ☐ For Your Use
- ☐ For Review and Comment
- ☐

COMMENTS:

Copy to:

Completed by: Dr. Hoy Bryson, PG [Please Print]

Signed:

ENSTOR
An Iberdrola Renewables Company

January 25, 2011

Mr. Brad Jones
New Mexico Oil Conservation Division
1120 South St. Francis Dr.
Santa Fe, New Mexico 87505

Dear Mr. Jones,

RE: Request for Individual Temporary Permission for Hydrostatic Test Dewatering
Notice of Intent to Dewater New 8-inch Diameter Natural Gas Flowline
Enstor Grama Ridge Storage and Transportation, LLC
Grama Ridge Morrow Storage Unit
Lea County, New Mexico

Pursuant to §20.6.2 NMAC, Enstor Grama Ridge Storage & Transportation, LLC (Enstor) requests the New Mexico Oil Conservation Division (OCD) to grant to Enstor Individual Temporary Permission (ITP) for Hydrostatic Test Dewatering approximately 750 gallons of clean, municipally-sourced water used to hydrostatic test a new 8-inch diameter natural gas flowline approximately 290-feet in length. No surface discharge of hydrostatic test water will occur. Rather, this is to provide notice of intent (NOI) to remove the hydrostatic test water by tanker truck and dispose it at a disposal facility permitted by OCD.

The project schedule calls for the flowline to be hydrotested on April 1, 2011 and the flowline to enter service in the week of April 15, 2011.

As will be demonstrated herein, the hydrostatic test water removed from the new natural gas flowline by tanker truck and disposed at a disposal facility permitted by OCD will not cause groundwater pollution, as defined by Subsection CCC of §20.6.2.7 NMAC. The new 8-inch flowline will have contained **NO** hydrocarbons prior to hydrostatic testing. The hydrostatic test water is a substance NOT defined as a waste by the Resource Conservation and Recovery Act. However, should an inadvertent/accidental spill or release of hydrostatic test water occur, that circumstance will be addressed aggressively by Enstor according to requirements of the New Mexico Administrative Code (NMAC) Title 19, Chap. 15, Parts 29 and 30, and the OCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993).

20329 State Highway 249, Suite 400
Houston, TX 77070
Telephone (281) 379-7400
www.enstorinc.com

BACKGROUND

Construction of the new 8-inch diameter natural gas flowline will have commenced by approximately March 1, 2011. The total length of the flowline will be approximately 290 feet. Its intended use is a natural gas flowline connecting the GRMU-8 injection/withdrawal (I/W) well -- located in Section 4, T22S, R 34E -- with the existing 8-inch diameter Enstor pipeline that connects Enstor's Grama Ridge Federal JVP #001 (JVP #001) I/W well with Enstor's Grama Ridge Compressor Station located in Section 3, T22S, R 34E. The flowline is needed to enhance the capacity and efficiency of the Grama Ridge Morrow Storage Unit (Grama Ridge), which has been and continues to be operated by Enstor as a subsurface natural gas storage facility in Lea County, New Mexico.

Grama Ridge initially encompassed five (5) sections of land, described as follows:

Township 21 South, Range 34 East, NMPM
Section 33: All
Section 34: All
Township 22 South, Range 34 East, NMPM
Section 3: All
Section 4: All
Section 10: All.

These lands are and have been operated as part of Grama Ridge pursuant to the *Unit Agreement for the Operation of the Grama Ridge Morrow Unit Area, Lea County, New Mexico* (the "Unit Agreement"). This Unit Agreement was approved by OCD Order R-4473, January 29, 1973. The Unit Agreement has been amended from time to time; and Section 9, T22S, R34E was added to the Unit Agreement on September 29, 2009, by OCD Order R-13174.

Additionally, the GRMU-8 I/W well is located on petroleum exploration and production lease No. NM033312A, granted to Enstor by the Bureau of Land Management (BLM). In addition, the OCD has issued permit number PI-02499 and API number 30-025-39922 to the GRMU-8 I/W well. The activities contemplated herein are wholly located upon properties owned by the United States Government (Bureau of Land Management [BLM]), whereon leasehold and use rights have been granted to Enstor.

RESPONSES TO OCD GUIDELINES QUERIES

In support of this NOI to remove and dispose approximately 750 gallons of clean, municipally-sourced water used to hydrostatic test a new natural gas flowline, Enstor provides the following information as requested in OCD's *GUIDELINES FOR HYDROSTATIC TEST DEWATERING* (Rev. Jan. 11, 2007) (the "Guidelines"):

a. The name and address of the proposed discharger :

Enstor Grama Ridge Storage & Transportation, LLC
c/o Enstor Operating Company, LLC
20329 State Highway 249, Suite 400
Houston, Texas 77070

b. Location of discharge by street address and surrounding landmarks :

The approximately 750 gallons of hydrostatic test water will be removed from the new natural gas flowline and transferred into a 1,000-gallon holding tank stationed within a bermed and lined Water Removal Location. The Water Removal Location is located on the BLM-permitted GRMU-8 well pad, which is further contained within the BLM lease assigned to Enstor (No. NM033312A). The dimensions of the bermed and lined Water Removal Location are 10 ft X 10 ft X 2 ft, with a volume sufficient to contain approximately 1,500 gallons. The Water Removal Location is at the approximate coordinates 32º24'50.30"N, 103º28'09.84"W, in Unit O, Sec. 4, T22S, R34E. Adjacent the Water Removal Location, the water will be transferred from the 1,000-gallon holding tank into a tanker truck for transport to the Sundance Services, Inc. disposal facility – known locally as the Parabo SWD.

Prior to transfer to the Sundance facility, water in the holding tank will undergo characterization testing (referred to herein as "testing")to insure it is not a hazardous waste, as defined by the Resource Conservation and Recovery Act (RCRA).

Due to the remoteness of the Water Removal Location there is no associated street address. The only surrounding landmark -- aside from ubiquitous petroleum wells and associated facilities – is the Grama Ridge Compressor Station located in Sec. 3, T22S, R34E. The GRMU-8 well pad is located approximately 0.7 mile southwest from the Grama Ridge Compressor Station.

To access the Grama Ridge Compressor Station, from Eunice, New Mexico, travel approximately 15.6 miles in a westerly direction on Hwy 176. Turn left (southerly) onto an unimproved oilfield road displaying an "Enstor" lease sign at the intersection with Hwy 176. Travel approximately 7.0 miles on the unimproved oilfield road to an intersection with another unimproved oilfield road. (The Compressor Station will be visible at this point.) Turn right and travel approximately 0.2 miles to the Grama Ridge Compressor Station. The approximate coordinates of the Compressor Station are 32.422089ºN, 103.463769ºW; and it is located at the SW¼, NW¼, Sec. 3, T22S, R34E.

c. Legal description of the discharge location (Section/Township/Range) :

The Water Removal Location will be located on the GRMU-8 well pad, which is located in Unit O, Sec. 4, T22S, R34E.

d. Maps (site specific and regional) indicating the location of the pipelines to be tested and the proposed discharge location :

The following maps are provided behind Tab A :

- A copy of the U.S Geological Survey (USGS) *San Simon Ranch, N. Mex.* 7.5-minute topographic quadrangle (USGS Quad) upon which is depicted the Grama Ridge storage boundary – providing a "regional" location. The approximate Water Removal Location is depicted within the Grama Ridge storage boundary on this USGS Quad.

- A map titled *GRAMA RIDGE EXPANSION X PLOT PLAN / INDEX SHEET, GRAMU #8 WELL PAD,* providing details for the Water Removal Location and the 8-inch flowline to be hydrostatically tested. This map also provides a "site specific" location.

- A map titled *MINES, MILLS & QUARRIES WEB MAP,* reproduced from the New Mexico Mining and Minerals Division's (NMMMD's) website; depicting, in part, the entire area of the USGS *San Simon Ranch* 7.5-minute topographic quadrangle. NMMMD's web map displays GIS-positioned and labeled mines, mills and quarries. Since there are **NO** known mines, mills or quarries within the USGS Quad, this map is without feature.

- A map titled *FEMA FLOODPLAIN MAP,* reproduced from the Federal Emergency Management Agency (FEMA) website; depicting, in part, Panel 35025C1650D (the "Panel"), which contains all the area encompassed by Grama Ridge. Since there are **NO** mapped 100-year flood zones within the Panel, this map is without feature.

e. Demonstration of compliance to the following citing criteria or *justification for any exceptions* :

i. Within 200 feet of a watercourse, lakebed, sinkhole or playa lake :

There is **NO** watercourse, lakebed, sinkhole, pit, pond or playa lake located within 200 feet of the Water Removal Location or the flowline ROW. Based on numerous on-the-ground observations of the Grama

Ridge general area, plus examinations made of aerial photographic imagery and the USGS Quad map, the waterbody nearest to the Water Removal Location or the flowline ROW is an un-named playa located approximately 2.25 miles northeast of the Water Removal Location. This un-named playa is noted on the USGS Quad map behind Tab A.

ii. Within an existing wellhead protection area or 100-year floodplain :

Wellhead Protection Area

As described previously, the Water Removal Location is in Section 4, T22S, R34E. Section 4 is surrounded by the following sections:

Township 21 South, Range 34 East, NMPM
Section 32
Section 33
Section 34
Township 22 South, Range 34 East, NMPM
Section 3
Section 5
Section 8
Section 9
Section 10.

The website for the New Mexico Office of the State Engineer (State Engineer) was visited. The records (referred to as *Point of Diversion by Location* [POD]) for all water wells in Section 4 and the surrounding eight (8) sections were obtained and reviewed (see Tab B for copies of the PODs). A total of five (5) water wells were listed in the State Engineer records in these eight sections, sorted as follows:

Section	Township	Range	Well Count
3	22S	34E	1
4	22S	34E	0
5	22S	34E	0
8	22S	34E	1
9	22S	34E	1
10	22S	34E	0
32	21S	34E	0
33	21S	34E	2
34	21S	34E	0

Section 4 has no water wells listed by the State Engineer. The nearest verified water well to the Water Removal Location is in Section 3, to the northeast approximately 3,450 feet. Designated Water Supply Well WW-1 by Enstor, this well is topographically up-gradient and within

the fenced area of the Grama Ridge Compressor Station. The WW-1 well is owned and operated by Enstor. WW-1 is used to supply hygienic water only (not potable water) to a single small portable building used for office activities at the Compressor Station. This portable building is occupied by a small crew of operators only during daylight hours. There are no residential accommodations in the building, and water from the well supplies toilet, showering and washing facilities only. Bottled water is transported in for drinking purposes.

Section 8 has one well. The nearest boundary of Section 8 to the Water Removal Location is approximately 4,300 feet distant. Section 9 has one well. The nearest boundary of Section 9 to the Water Removal Location is approximately 240 feet distant. However, Enstor has carefully examined Section 9, and no water well was found. This well may have been associated with one of the only developments in Section 9 – three petroleum wells. Section 33 has two wells (one known as the "Christmas Well"[see the USGS Quad]). The nearest boundary of Section 33 to the Water Removal Location is approximately 5,520 feet distant. None of the other sections have water wells listed by the State Engineer.

According to the 19.15.2.7 NMAC definitions at W(8), "wellhead protection area" is defined as follows:

> *Wellhead protection area means the area within* ***200 horizontal feet*** *of a private, domestic fresh water well or spring used by* ***less than five*** *households for domestic or stock watering purposes or within 1000 horizontal feet of any other fresh water well or spring.* ***Wellhead protection areas does (sic) not include areas around water wells drilled after an existing oil or gas waste storage, treatment or disposal site was established.*** (Emphases added)

The Water Removal Location is NOT within 200 horizontal feet of a well used by less than five households, nor within 1,000 feet of a well used by five or more households. Therefore, according to the above definition, the Water Removal Location is NOT located within a wellhead protection area.

100-Year Floodplain

The Federal Emergency Management Agency (FEMA) posts a website providing access to GIS mapping of flood zones (http://gis1.msc.fema.gov). This website was examined for the area of

the flowline construction project and the Water Removal Location. They were determined to lie totally within the FEMA Panel 35025C1625D mapping unit (see *FEMA FLOODPLAIN MAP* behind Tab A). **NO** mapped flood zones exist within the FEMA Panel 35025C1625D mapping unit. Therefore, the proposed Water Removal Location is not located in or near a 100-year floodplain.

iii. Within, or within 500 feet of, a wetland :

As discussed previously, there is **NO** watercourse, lakebed, sinkhole, pit, pond or playa lake located within 500 feet of the Water Removal Location or the flowline ROW that meets U.S. Corps of Engineers' definition of a wetland. Based on numerous on-the-ground observations of the Grama Ridge general area, plus examinations made of aerial photographic imagery and the USGS Quad map, the nearest waterbody to the Water Removal Location or the flowline ROW is an un-named playa located approximately 2.25 miles northeast of the Water Removal Location. This un-named playa is noted on the USGS Quad map behind Tab A. Neither the proposed Water Removal Location nor the flowline ROW is located within, or within 500 feet of, a wetland.

iv. Within the area overlying a subsurface mine :

Mr. Mike Tompson of the New Mexico Abandoned Mine Land Program (AMLP) was contacted to determine if any record(s) on file with the AMLP indicated an abandoned mine was present within the Grama Ridge leasehold. He responded by email that there were "... no records of abandoned mines in the area" (see a copy of the referenced email behind Tab C). Mr. Tompson also provided direction to the New Mexico Energy, Minerals and Natural Resources Department, Mining and Minerals Division (MMD) website titled *GIS, Map and Mine Data*, where mines, mills and quarries are GIS-mapped. The area encompassing Grama Ridge was examined and found to contain **NO** mapped mines, mills or quarries. A reproduction of the MMD web map for the Grama Ridge vicinity – titled *MINES, MILLS & QUARRIES WEB MAP* – is provided behind Tab A.

The above coupled with an examination of the USGS Quad map, examination of aerial photographic imagery, and discussions with individuals knowledgeable with the area, determined that neither the proposed Water Removal Location nor the flowline ROW is located in an area overlying any known mine, mill or quarry.

v. **Within 500 feet from the nearest permanent residence, school, hospital, institution or church :**

NO permanent residence, school, hospital, institution or church is located within 500 feet of the Water Removal Location or the flowline ROW. The nearest permanent residence, school, hospital, institution and church are located several miles from the Grama Ridge Compressor Station, the Water Removal Location or the flowline ROW.

f. **A brief description of the activities that produce the discharge :**

The 290-foot 8-inch diameter natural gas flowline to be constructed is coated steel and installed largely subsurface. The flowline is intended for transportation of natural gas; however it never will have contained any hydrocarbon prior to hydrostatic testing. The flowline will function as an interconnect flowline connecting the GRMU-8 natural gas injection/withdrawal well, located in Section 4, T22S, R34E, with the existing 8-inch diameter Enstor pipeline that connects Enstor's Grama Ridge Federal JVP #001 (JVP #001) I/W well with Enstor's Grama Ridge Compressor Station, located in Section 3, T22S, R 34E.

Hydrostatic test water will be pigged from the 8-inch natural gas flowline into a 1,000-gallon holding tank stationed within the bermed and lined Water Removal Location. When the holding tank is filled with the approximately 750 gallons of hydrostatic test water from the 8-inch flowline, a sample will be collected and tested prior to pumping any water from the tank. The project schedule calls for the flowline to be hydrotested on April 1, 2011 and to enter service in the week of April 15, 2011.

The dimensions of the bermed and lined Water Removal Location are 10 ft. X 10 ft. X 2 ft., with a volume sufficient to contain approximately 1,500 gallons. The volume of the holding tank, plus a safety factor of 33%, would be approximately 1,330 gallons. Therefore, the bermed and lined Water Removal Location would be adequate to contain any accidental spill or release from the holding tank. All water handling activities will be conducted within the Water Removal Location lined containment berm.

The water will be pumped from the holding tank into a tanker truck for transport to the Sundance Services, Inc. (Sundance), an OCD-licensed disposal facility (Permit # 010003). Sundance is located approximately 15.6 miles west of Eunice, New Mexico on Hwy 176 and approximately 7.2 miles from the Grama Ridge Compressor Station. During all water transfer activities, operations will be operator-monitored carefully to shut down water movement if a spill or release appears imminent. All water handling activities will occur upon the OCD- and BLM-permitted GRMU-8 well pad,

which is located within the boundaries of petroleum exploration and production lease No. NM033312A granted to Enstor by the Bureau of Land Management. Therefore, this proposed hydrostatic test dewatering will occur on a leasehold issued to and operated exclusively by Enstor.

g. The method and location for collection and retention of fluids and solids :

Only municipal-sourced water obtained from the City of Eunice, New Mexico will be utilized to test the new natural gas flowline. It is anticipated the test water will be essentially free of solids and contaminants. All water transfer activities will occur within the bermed and lined Water Removal Location, in which the 1,000-gallon holding tank also will be staged. The berm will be sized to contain any anticipated spill or release of hydrostatic test water – 10 ft X 10 ft X 2 ft (approximately 1,500 gallons). The volume of the holding tank, plus a safety factor of 33%, would be approximately 1,330 gallons. Therefore, the bermed and lined Water Removal Location would be adequate to contain any accidental spill or release from the holding tank. During all water transfer activities, operations will be monitored carefully to shut down water movement if a spill or release appears imminent. All water handling activities will occur upon the OCD- and BLM-permitted GRMU-8 well pad, which is located within the boundaries of the petroleum exploration and production lease (No. NM033312A) granted to Enstor by the Bureau of Land Management.

h. A brief description of best management practices to be implemented to contain the discharge onsite and control erosion :

Throughout the comprehensive dewatering process all activities – including any putative spills or releases – will be contained onsite within the bermed and lined Water Removal Location.

Grama Ridge is operated under Section 311 of the Natural Gas Policy Act of 1978; thus, all activities must be conducted in compliance with requirements of the Federal Energy Regulatory Commission's (FERC's) current published *Upland Erosion Control, Revegetation, and Maintenance Plan* (the Plan). Although **NO** discharge of water will occur and any spills or releases will be contained and abated quickly, all activities will be monitored throughout the dewatering process to ensure erosion is controlled per the FERC Plan.

i. A request for approval of an alternative treatment, use, and/or discharge location (other than the original discharge site), if necessary :

No alternative Water Removal Location is proposed.

j. A proposed hydrostatic test wastewater sampling plan :

When the holding tank is filled with the approximately 750 gallons of hydrostatic test water from the 8-inch flowline, a sample will be collected and tested prior to pumping any water from the tank for transfer to the Sundance facility. Water in the holding tank will undergo characterization testing to insure it is not a hazardous waste, as defined by RCRA.

Should a spill or release of hydrostatic test water occur, that circumstance will be addressed aggressively according to requirements of the NMAC Title 19, Chap. 15, Parts 29 and 30, and the OCD guidance document *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993).

k. A proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations):

Following RCRA hazardous-waste-characterization testing, all hydrostatic test water will be transported offsite for disposal at the Sundance Services, Inc. disposal facility, which is properly licensed by OCD. **NO** test water will threaten groundwater quality, due to no opportunity to migrate into and through the soil. No pit(s) will be utilized in the test water handling process. No ponds or pits are present at the GRMU-8 well site. Following all water transfer activities, the liner in the Water Removal Location will be removed and properly disposed, and the berm will be removed to approximate original grade.

l. A brief description of the expected quality and volume of the discharge :

Approximately 750 gallons of State-approved, potable municipality-sourced water obtained from the City of Eunice, New Mexico will be used to hydrotest the new approximately 290-foot, 8-inch diameter, natural gas flowline. Since it is new pipe which never has carried hydrocarbons or any other product that will be hydrotested, it is expected the water removed from the flowline following the hydrotest will be free of hazardous constituents.

m. Geological characteristics of the subsurface at the proposed discharge site :

Based on information gathered from the Natural Resources Conservation Service (NRCS) soil survey report for Lea County, the soils in the proposed

Water Removal Location area are classified as "Pyote and Maljamar fine sands." These soils are deep sandy loams, with root penetrations exceeding 60 inches. The NRCS soil report describes this mapping unit as "... soil (having) moderately rapid permeability. Runoff is very slow. Water intake is rapid". In summary, these are very deep, sandy soils that exhibit rapid infiltration and are not subject to being easily eroded by overland flow.

n. The depth to and total dissolved solids concentration of the ground water most likely affected by the discharge :

Depth to groundwater was determined based on information obtained from the WW-1 water supply well located at the Grama Ridge Compressor Station. Groundwater depth at the well was recorded to be 62 feet below ground surface, with a TDS concentration of 323 mg/L. It is not anticipated the test water handling activities will have any effect on groundwater at or in the vicinity of the well.

o. Identification of landowners at and adjacent to the discharge and collection/retention site :

All water handling activities will occur upon the OCD- and BLM-permitted GRMU-8 well pad, which is located within the boundaries of the petroleum exploration and production lease (No. NM033312A) granted to Enstor by the Bureau of Land Management. Thereby, Enstor is the exclusive holder of development rights on these lands to engage in all activities necessary to affect continuing gas storage operations. Whereupon, "adjacent landowners" would be those entities with fee surface rights in property adjacent or tangential to the boundary of this leasehold. There are two (2) such adjacent or tangential property holders, as listed in the following:

- United States Government
  Bureau of Land Management
  P.O. Box 27115
  Santa Fe, New Mexico 87502-0115

- State of New Mexico
  New Mexico State land Office
  P.O. Box 1148
  Santa Fe, New Mexico 87504-1148
  ATTN: Patrick H. Lyons
  Commissioner of Public Lands

I certify that I am authorized to make this notice; that this notice was prepared by me or under my supervision and direction; and that the data and facts stated herein are true, correct, and complete to the best of my knowledge.

The filing fee in the amount of $100.00, payable to Water Quality Management Fund, is attached hereto.

If there are any questions concerning this NOI or additional information is required, please do not hesitate to contact us at (281) 374-3062.

Sincerely,

Daryl W. Gee
Director, Regulatory Affairs & Land Management

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SAN SIMON RANCH QUADRANGLE
NEW MEXICO–LEA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 OIL CENTER 15' QUADRANGLE

Un-named Playa

Approx. Water Removal Location

Grama Ridge Morrow Gas Storage Area Boundary

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1984

Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid, zone 13
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 45 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF MAP DIAGRAM IS APPROXIMATE

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

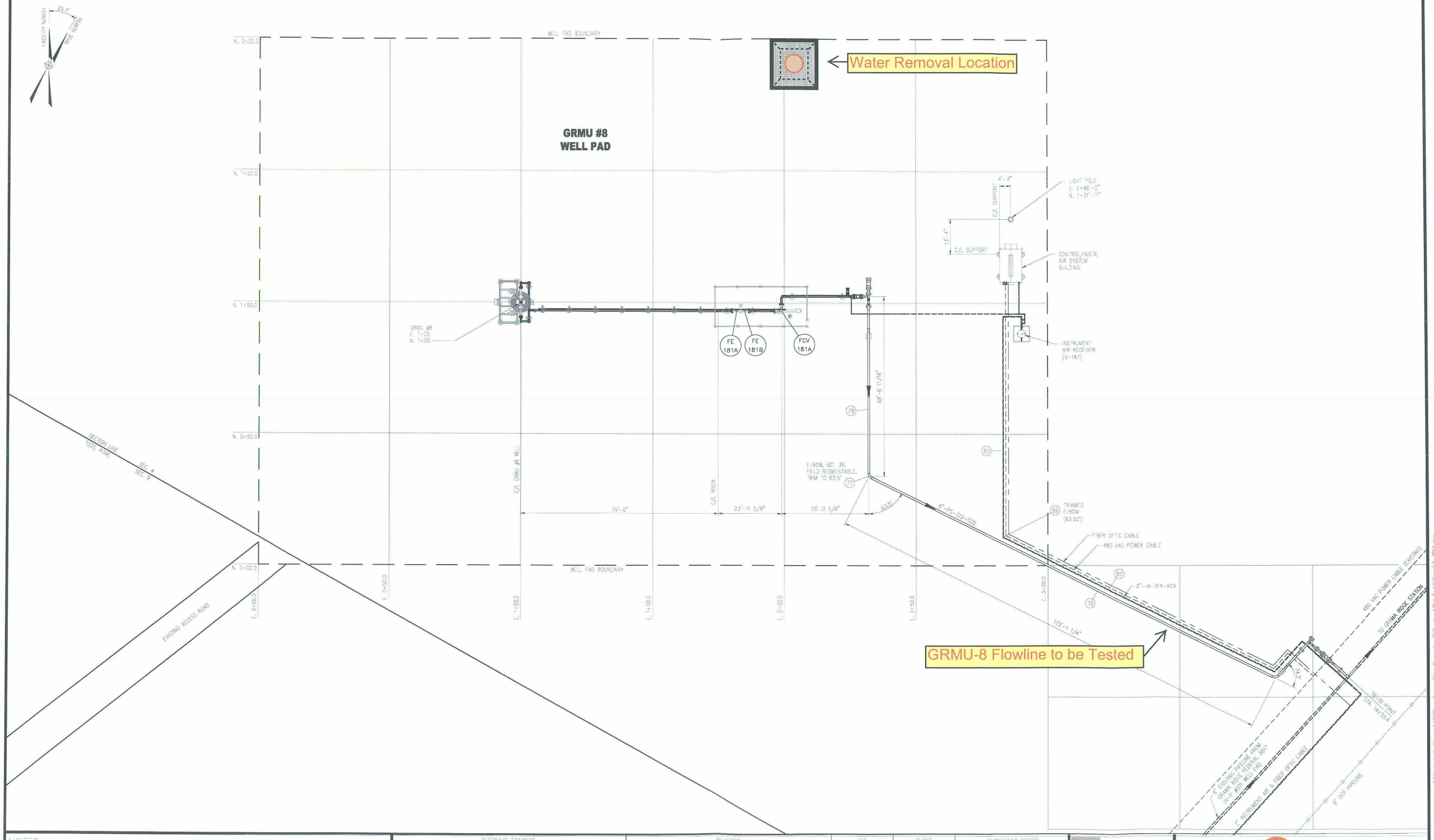
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

QUADRANGLE LOCATION

SAN SIMON RANCH, N. MEX.
NW/4 OIL CENTER 15' QUADRANGLE
32103-D4-TF-024

1984

DMA 5348 IV NW–SERIES V881



NOTES:

1. FLOW ARROWS DEPICT FLOW IN THE WITHDRAWAL MODE.
2. FOR DESCRIPTION OF BUBBLED ITEMS, SEE BILL OF MATERIAL ON DRAWING P-388.

REFERENCE DRAWINGS		REVISIONS				FRC		CLIENT	ENGINEERING RECORD
									DRAWN
									CHECKED
									CLIENT
									PROJECT MGMT.
									PROCESS
									MECHANICAL
									PIPING
									STRUCTURAL
									ELECTRICAL
									I & C
P-388	PIPING B.O.M. – GRMU #8 WELL PAD	A	ISSUED FOR PERMIT	DAS	1/7/11	PDJ	1/7/11		
DWG. NO.	TITLE	REV.	DESCRIPTION	BY	DATE	CHK	DATE	APPR	DATE

ForeRunner Corporation
7125 W. Jefferson Ave., Ste. 400
Lakewood, CO 80235
303-369-0223

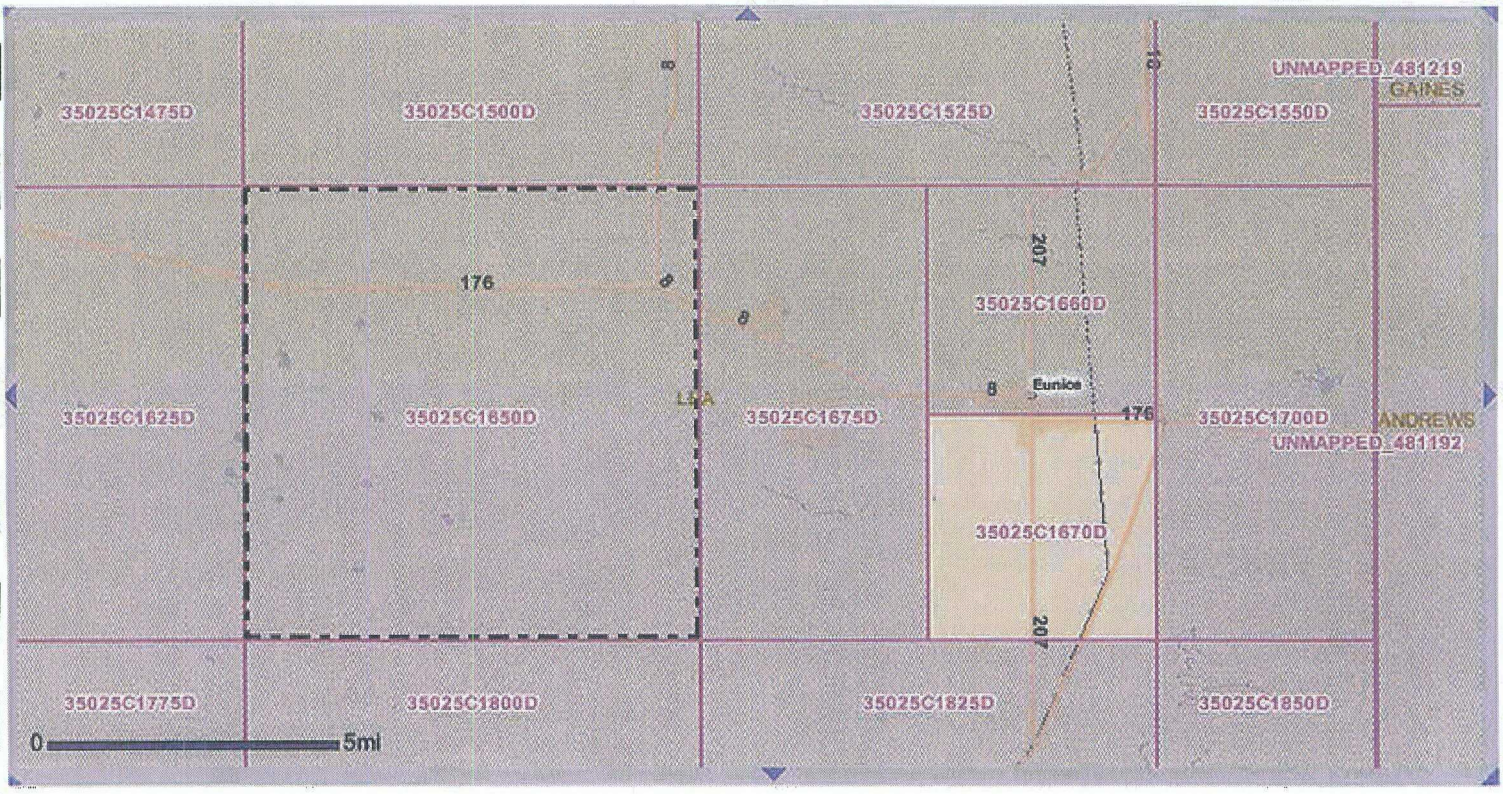
ENSTOR
An Iberdrola Renewables Company

GRAMA RIDGE EXPANSION X
PLOT PLAN / INDEX SHEET
GRMU #8 WELL PAD

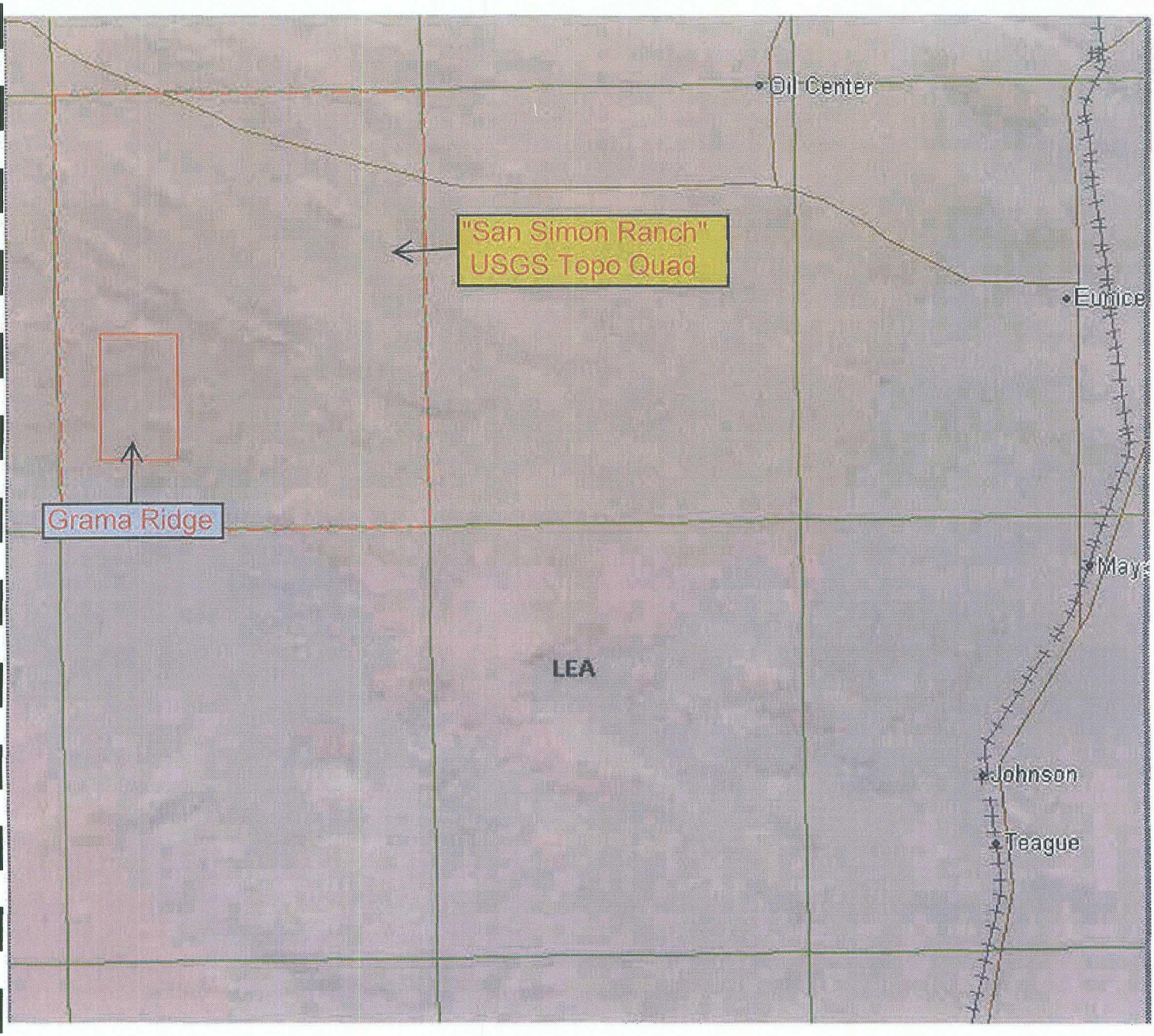
SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV.
1/16" = 1'-0"	12725-C	LEA COUNTY, NM	P-381A	A

Plotted by: DOUG DANIELS Date: 1/6/2011 - 1:34 PM Drawing: S:\Project Files\Enstor\12725 - Grama Ridge Expansion X\Drawings\Well Pads\Plans\P-381A.dwg

FEMA FLOODPLAIN MAP



Grama Ridge is Totally Within Outlined Panel 35025C1650D


Oil Center
"San Simon Ranch"
USGS Topo Quad
Eunice
Grama Ridge
LEA
Johnson
Teague

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

PLSS Search:

Section(s): 32 **Township:** 21S **Range:** 34E

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	q q q 64 16 4	Sec	Twn	Rng	X	Y
CP 00588		STK		THE MERCHANT LIVESTOCK COMPANY	ED	CP 00588 DCL			3 2	33	21S	34E	643583	3589918*
CP 00589		STK		THE MERCHANT LIVESTOCK COMPANY	ED	CP 00589 DCL			3 2	33	21S	34E	643583	3589918*

Record Count: 2

PLSS Search:

Section(s): 33 Township: 21S Range: 34E

Sorted by: File Number

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

PLSS Search:

Section(s): 34 Township: 21S Range: 34E

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	q q q 6416.4	Sec	Tws	Rng	X	Y
CP 10964	SAN		1	ENSTOR GRAMA RIDGE	LE	CP 00944 POD1			2 3 1	03	22S	34E	644509	3588408*

Record Count: 1

PLSS Search:

Section(s): 3 Township: 22S Range: 34E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

PLSS Search:

Section(s): 4 Township: 22S Range: 34E

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

PLSS Search:

Section(s): 5 **Township:** 22S **Range:** 34E

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	q 6416	q 4	Sec	Tws	Rng	X	Y
CP 00597		STK		THE MERCHANT LIVESTOCK COMPANY	ED	CP 00597 DCL			2	2	08	22S	34E	642410	3587074*

Record Count: 1

PLSS Search:

Section(s): 8 **Township:** 22S **Range:** 34E

Sorted by: File Number

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Grant	Source	6416 4	Sec	Twn	Rng	X	Y
CP 00744		PRO	0	ORYX ENERGY	LE	CP 00744		Shallow	1 2	09	22S	34E	643618	3587091*

Record Count: 1

PLSS Search:

Section(s): 9 Township: 22S Range: 34E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

PLSS Search:

Section(s): 10 Township: 22S Range: 34E

Bryson, Hoy

From: Bryson, Hoy
Sent: Monday, February 22, 2010 4:04 PM
To: 'Tompson, Mike, EMNRD'
Cc: Moiola, Lloyd, EMNRD; Kretzmann, John, EMNRD
Subject: RE: potential mine locations in Lea County

Thank you very much, Mike.

Dr. Hoy Bryson, PG
CONESTOGA-ROVERS & ASSOCIATES
2135 S. Loop 250 West
Midland, TX 79703
Office : (432) 681-3227
Cell: (432) 288-3003
Fax: (432) 686-0186
http://www.craworld.com

From: Tompson, Mike, EMNRD [mailto:Mike.Tompson@state.nm.us]
Sent: Monday, February 22, 2010 11:00 AM
To: Bryson, Hoy
Cc: Moiola, Lloyd, EMNRD; Kretzmann, John, EMNRD
Subject: potential mine locations in Lea County

Mr. Bryson,

We have no records of abandoned mines in the area you inquired about:

Sections 33 and 34, T21S, R34E
Sections 3, 4, 9 and 10, T22S, R34E

Please keep me in my that many mines exist of which we are not aware.

If you need anything else, please let me know.

Mike Tompson
New Mexico Abandoned Mine Land Program
(505) 476-3427