District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

2	6	$\Box$	S
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# Pit, Closed-Loop System, Below-Grade Tank, or

Proposed Alternative Method Permit or Closure Plan Application
Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
1. Operator: ELM RIDGE EXPLORATION COMPANY, LLC OGRID #: 149052
Address: P. O. BOX 156, BLOOMFIELD, NM 87413
Facility or well name: BISTI GALLUP 18 #2
API Number: 30-045-33802 OCD Permit Number:
U/L or Qtr/Qtr <u>B</u> Section <u>18</u> Township <u>25 N</u> Range <u>12 W</u> County <u>SAN JUAN</u>
Center of Proposed Design: Latitude <u>36.405780° N</u> Longitude <u>108.151588° W</u> NAD: □1927 ⊠ 1983
Surface Owner:  Federal State Private  Tribal Trust or Indian Allotment
2.
☑ <u>Pit</u> : Subsection F or G of 19.15.17 11 NMAC
Temporary:   Drilling  Workover
Permanent Emergency Cavitation P&A
☐ Unlined Liner type: Thickness 20 mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
⊠ String-Reinforced
Liner Seams: Welded Factory Other Volume: 9,939 bbl Dimensions: L 160' x W 40' x D 10'
3. Closed-loop System: Subsection H of 19 15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other
Liner Seams: Welded Factory Other Other
S DEC SI
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volumebbl Type of fluid:
Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume
Secondary contaminant with leak detection of visible sidewans, filler, 6-inch int and automatic overflow shut-on
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type Thicknessmıl
5.  Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19 15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, it	haanital
institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet	nospuai, c
Alternate. Please specify minimum 36" hog wire topped with at least 1 strand of barbed wire = at least 48" high fence	
Netting: Subsection E of 19.15 17 11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	
8. Signer Subsection C of 10.15.17.11 NIMAC	
Signs: Subsection C of 19.15.17.11 NMAC	ų.
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19.15.3 103 NMAC	
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15 17 NMAC for guidance.  Please check a box if one or more of the following is requested, if not leave blank:  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval. See request for alternate marking on Page 2 of attachment  Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to permanent pits)	☐ Yes ☐ No ☐ NA
<ul> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> <li>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock</li> </ul>	☐ Yes ☐ No
watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No

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Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15 17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17 10 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17.12 NMAC  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:
12. <u>Closed-loop Systems Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC
and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design)  API Number:
Previously Approved Operating and Maintenance Plan API Number:
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.    Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17 9 NMAC   Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC   Climatological Factors Assessment   Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC   Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC   Quality Control/Quality Assurance Construction and Installation Plan   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC   Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC   Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan   Emergency Response Plan   Oil Field Waste Stream Characterization   Monitoring and Inspection Plan   Erosion Control Plan   Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19 15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System  Alternative
Proposed Closure Method. Waste Excavation and Removal Waste Removal (Closed-loop systems only)
On-site Closure Method (Only for temporary pits and closed-loop systems)  In-place Burial On-site Trench Burial
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17 13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids, facilities are required.		
Disposal Facility Name:	Disposal Facility Permit Number	
Disposal Facility Name:	Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities o  Yes (If yes, please provide the information below)  No	ccur on or in areas that will not be used for future serv	vice and operations?
Required for impacted areas which will not be used for future service and operation  Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	e requirements of Subsection H of 19.15.17.13 NMAC I of 19.15.17.13 NMAC	2
Siting Criteria (regarding on-site closure methods only): 19.15.17 10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmenta demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	re administrative approval from the appropriate disti l Bureau office for consideration of approval.  Justi,	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - IWATERS database search; USGS; Database State State Engineer - IWATERS database search; USGS; Database State	a obtained from nearby wells	☐ Yes ☑ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	☐ Yes ⊠ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - 1WATERS database search; USGS; Database search; US	a obtained from nearby wells	⊠ Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig- lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	gnificant watercourse or lakebed, sinkhole, or playa	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or church - Visual inspection (certification) of the proposed site; Aerial photo; Satellit		☐ Yes ⊠ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that les watering purposes, or within 1000 horizontal feet of any other fresh water well or some NM Office of the State Engineer - iWATERS database; Visual inspection	spring, in existence at the time of initial application.	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh wat adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approx		☐ Yes ⊠ No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map, Visu	al inspection (certification) of the proposed site	☐ Yes ☑ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining	g and Mineral Division	☐ Yes ⊠ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map	y & Mineral Resources; USGS; NM Geological	☐ Yes ☑ No
Within a 100-year floodplain - FEMA map		☐ Yes ☑ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying protocols and Procedures - based upon the appropriate requirements of 19.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	quirements of 19.15.17.10 NMAC  f Subsection F of 19.15.17.13 NMAC See 10. on APL ppropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19. 5.17.13 NMAC quirements of Subsection F of 19.15 17.13 NMAC Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cann H of 19.15.17.13 NMAC	D Page 9 (Exhibut K) 15 17.11 NMAC

Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): BRIAN WOOD Title: CONSULTANT
Signature: Date: <u>11-29-08</u>
e-mail address: brian@permitswest.com Telephone: (505) 466-8120
20. OCD Approval: ← Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)
OCD Representative Signature: Sandan Smill Approval Date: 12-11-08
Title: OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
Closure Completion Date:
Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)  If different from approved plan, please explain.
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number
Disposal Facility Name: Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?  Yes (If yes, please demonstrate compliance to the items below)  No
Rejured for impacted areas which will not be used for future service and operations:  Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.
Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude Longitude NAD: 1927 1983
25. Operator Closure Cartification
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print) Title:
Signature: Date:
e-mail address: Telephone:

Elm Ridge Exploration Company, LLC
Bisti Gallup 18 #2 temporary pit proposed closure
990' FNL & 2310' FEL Sec. 18, T. 25 N., R. 12 W.
San Juan County, New Mexico
API #30-045-33802

## Siting Criteria

1. Ground water is >100' below the pit bottom. This estimate is based on the Carson well which is  $\approx 5$  mile ESE in 13-25n-12w and the windmill which which is  $\approx 5$  miles NE in 1-25n-12w (see Exhibits A). The Carson well produces from the Cliff House and deeper zones. The windmill may produce from the Ojo Alamo.

6,406' Carson well ground elevation
- 1,927' depth to water
4,479' water elevation

6,281' windmill ground elevation

-210' depth to water

6,071' water elevation

6,520' oil well ground elevation
- 10' deep pit
- 6,071' water elevation

≈439' depth to water

- 2. Pit is not within 300' of a continuously flowing watercourse. Pit is not within 200' of any other significant watercourse as defined by OCD. Closest first order tributary of West Fork of Gallegos Canyon is over a mile north (Exhibit B).
- 3. Pit is not within 300' of any building. Closest building is >3/4 mile east (Exhibit C).
- 4. Pit is not within 1,000' any fresh water well or spring (Exhibits A & B).
- 5. Pit is not within municipal boundaries or within a municipal fresh water well field (Exhibits A & B).
- 6. Pit is not within 500' of a wetland (Exhibit D).
- 7. Pit does not overly a mine (Exhibit E).



Elm Ridge Exploration Company, LLC
Bisti Gallup 18 #2 temporary pit proposed closure
990' FNL & 2310' FEL Sec. 18, T. 25 N., R. 12 W.
San Juan County, New Mexico
API #30-045-33802

- 8. Pit is not in an unstable area. No evidence of earth movement was found during a November 17, 2008 inspection. Maximum grade is  $\approx$ 1% (Exhibit F).
- 9. Pit is not within a 100 year flood plain (Exhibit G).
- 10. C-102 is attached as Exhibit H.
- 11. Closure notice to surface owner (Navajo Nation) is attached as Exhibit I.

### Alternative for 19.15.17.13 F. (1) (d)

An alternate interim marking system will be used to allow for safer and more efficient operations. A minimum 4" O. D. steel pipe will be set at least 36" deep at the center of the pit. A threaded collar will be on the top of the pipe. A minimum 12" x 12" steel plate will welded atop the threaded collar. Top of the plate will be flush with ground level. The standard location information listed will be welded onto the plate, plus a notation that it marks an on site buried temporary pit. Upon plugging the well, the plate will be removed and the pit marked as described in 19.15.17.13 F. (1) (d).

### Closure Plan

Elm Ridge will close the pit in accordance with OCD Rules 19.15.17.12. & 13. Post closure documents will be submitted within 60 days of pit closure and will include forms C-105 and C-144, cover details, pit diagram, inspection report, sample results, and a copy of deed notice to the county clerk.

All free standing liquids will be removed before back filling the pit and disposed of at an Elm Ridge disposal well (e. g., Carson Unit WDW 242, API 30-045-32447) or at Basin Disposal's evaporation pond (NM-01-005).

The preferred method of closure will be on site in place burial assuming all criteria in 19.15.17.13 (B) are met.



Elm Ridge Exploration Company, LLC
Bisti Gallup 18 #2 temporary pit proposed closure
990' FNL & 2310' FEL Sec. 18, T. 25 N., R. 12 W.
San Juan County, New Mexico
API #30-045-33802

The surface owner has been notified (attached).

Closure, including contouring and seeding, will be completed within 6 months of rig off.

After approval of this application, Elm Ridge will notify the OCD verbally or by other means at least 72 hours, but not more than one week, prior to any closure operation. The notice shall include the operator's name and the location to be closed by unit letter, section, township and range, well name & number, and API number.

All liner above the mud level will be cut and removed after stabilization. Removed liner will be disposed of in a licensed disposal facility.

Elm Ridge will stabilize or solidify the contents to a bearing capacity sufficient to support the temporary pit's final cover. Elm Ridge will not mix the contents with soil or other material at a mixing ratio of greater than 3:1, soil or other material to contents.

A 5 point composite sample will be taken of the pit and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). If the criteria are not met, then all contents will be handled per Subparagraph (a) of Paragraph (1)of Subsection B of 19.15.17.13. (i. e., dig & haul). If dig & haul are required, then disposal facility will be Envirotech (NM01-0011).

<u>Component</u>	Test Method	<u>Limit (mg/Kg)</u>
benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2,500
GRO/DRO	EPA SW-846 8015M	500
chlorides	EPA 300.1	1,000 or background



Elm Ridge Exploration Company, LLC Bisti Gallup 18 #2 temporary pit proposed closure 990' FNL & 2310' FEL Sec. 18, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-33802

After completing solidification and testing, the pit area will be back filled with compacted, waste free, earth material. At least 4 feet of cover will be achieved. The cover will include 1 foot of suitable material to establish vegetation at the site, or the background thickness of the topsoil, whichever is greater.

Recontouring of the location will match the fit, shape, line, form, and texture of the surrounding area. Reshaping will control drainage and prevent ponds and erosion. Natural drainages will be unimpeded. Water bars and/or silt traps will be placed where needed to prevent erosion on a large scale. Final recontour will have a uniform appearance with smooth surface fitting the natural landscape.

Notice will be sent to the OCD when the reclaimed area is seeded.

Disturbed areas will be seeded the first growing season after the pit is closed. Seed will be drilled on the contour wherever practical or by other OCD approved method. BLM stipulated seed mix will be used. Vegetation cover will equal at least 70% of the native perennial vegetation cover prior to disturbance. Seed mix will include at least 3 native species, including at least 1 grass. Noxious weeds will be excluded. Vegetation cover will be maintained through 2 successive growing seasons. Repeat seeding or planting will be continued until successful vegetation growth occurs.



## New Mexico Office of the State Engineer POD Reports and Downloads

Township: 25N; Range: 12W Sections:	
NAD27 X. Y: Zone: Search Radius	
County: Suffix: Number: Suffix:	
Owner Name: (First) (Last) (Domestic (Domestic (Dall	
(POD / Surface Data Report ) (Avg Depth to Water Report ) (Water Column Report )	
(Clear Form) (WATERS Menu) (Help)	

(quarters are 1=NW 2=NE 3=SW 4=SE)

#### POD / SURFACE DATA REPORT 11/28/2008

(acre ft per annum)			(	(quarters are biggest to smallest		X Y	X Y are in Feet			UTM are in Meters)			Finish	Depth	Depth (	in feet)		
DB File Nbr Us	e Diversion	Owner	POD Number	Source	Tws	Rng Se	c q q q	Zone	x	Ä	UTM_Zone	Easting	Northing	Date	Date	Well	Water	
RG 21872 DC	M 0	LILA C. ROMERO	RG 21872	_	25N	12W 35					13	223514	4028055					
RG 37972 DC	M 0	PATRICIA E. SOKOLL	RG 37972	_	25N	12W 24		С	689000	1959500	13	445425	4026680					,
RG 43582 DC	м 3	BERNICE F. CORDOVA	RG 43582	Shallow	25N	12W 23					.13	223616	4031274	05/01/1985	05/01/1985	50	8	
RG 46561 DC	м о	SHIRLEY GORMAN	RG 46561	_		12W 30					13	217131	4029874					
RG 47243 DO	м 3	JOSEPH & ELAINE LOVATO	RG 47243	Shallow	25N	12W 12	4				13	225728	4034012	05/18/1987	05/18/1987	65	18	
RG 49046 DO	м 3	EDDIE BERG	RG 49046	Shallow	25N	12W 22					13	222007	4031325	04/22/1988	04/25/1988	40	8	
RG 61107 DO	м 3	GLEN D. WEATHERS	RG 61107	Shallow	25N	12W 27	3 3	С	678500	1958950	13	442224	4026554	12/15/1994	12/15/1994	130	50	
RG 63120 DO	м 3	CHRISTINA TRUJILLO	RG 63120	Shallow		12W 31		C		1949800	13	445418	4023724	10/03/1995	10/03/1995	60	30	
RG 76392 DO	м з	CYNTHIA AGUIRRE	RG 76392	Shallow		12W 11		С	684250	1972400	13	444029	4030629	10/25/2001	10/25/2001	102	19	
<u>SJ 00079</u> OI		SHELL OIL COMPANY	SJ 00079	Shallow		12W 13					13	225677	4032403		03/27/1957	2550		
<u>SJ 01716</u> ST	K 15	U.S. DEPT. OF INTERIOR	SJ 01716	Shallow	25N	12W 01	3 2				13	225189	4035835	06/20/1963	02/05/1964	403	210	
<u>SP 02870 25</u> IR		BLOOMFIELD IRRIGATION DISTRICT	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					
<u>SP 02870 25A</u> IR	R 5.4	ANN OSBURN	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606					
SP 02870 25B IR		D.J. ELKINS	SP 02870 25C	_	25N	12W 24					13	225023	4030606					
<u>SP 02870 25BA</u> IR		MAX D. KENNEMER TRUST	SP 02870 25C		25N	12W 24					13	225023	4030606					
SP 02870 25BB IR	R 0	CITY OF FARMINGTON	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					
SP 02870 25C IR		MAX D. KENNEMER TRUST	SP 02870 25C		25N	12W 24					13	225023	4030606					
SP 02870 25D IR		CECIL C. & GLADYS CAST TRUST	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606					
SP 02870 25E IR		DOUGLAS JAMES BURGER	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					
SP 02870 25F IR		ROBIN C. PRICE	SP 02870 25C			12W 24					13	225023	4030606					
SP 02870 25G IR		LILLIE MAE JOHNSON	SP 02870 25C			12W 24					13	225023	4030606					
SP 02870 25H IR	R 0	HENRY JOHN NOWAKOWSKI	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606					
SP 02870 251 IR	R 4.65	MARTIN SALAZAR	SP 02870 25C		25N						13	225023	4030606					
SP 02870 25L IF	R 1.8	JUSTIN L. KIDDOO	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					
SP 02870 25M IF	R 1.5	ZANE G. LESLIE, JR.	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606					
SP 02870 25N IR	R 0	CAROLYN BETH MCKEE	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					
SP 02870 250 IR	R 0	AURORA LEE CHRISTENSEN	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606					

Record Count: 27

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

Page 1 of 1



# New Mexico Office of the State Engineer POD Reports and Downloads

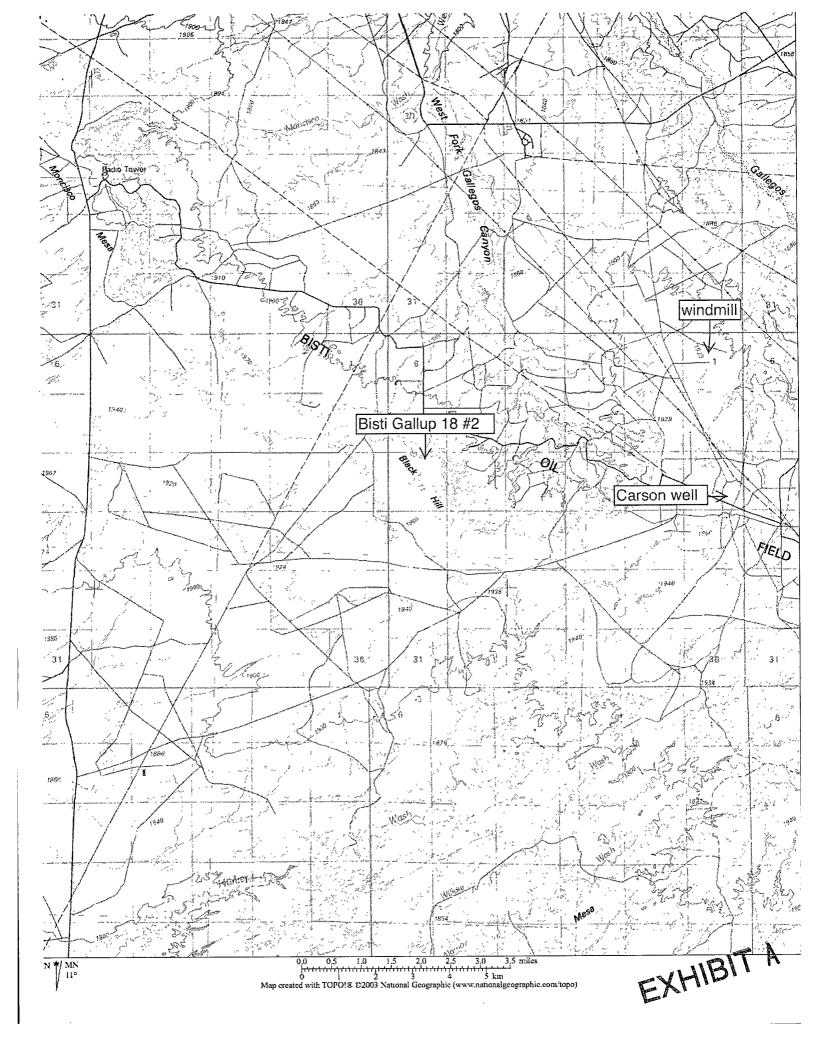
			* ************************************				************			***
	Tow	nship: 25	N Range: 13w	Sections:	***** *****	1000000000000000 CS	Waterson 180 5	****	······································	
	NAD2	7 X:	Y:	Zone	in m	Ţij.	Search	Radius:	***************************************	
County:	£., .442	······//	Basin: (1995)			Num	ber:	Su	ıffix:	.00************************************
Owner Nan	ne: (Fi	rst)	(Las	st)	,	: (	Non-De	omestic	<b>O</b> Domestic	() All
	1	POD / Surfa	ce Data Report	vg Depth to	Water Rep	port	Water Co	lumn Repo	ort	
			Clear Form	(iWATE	RS Menu	Help	)			
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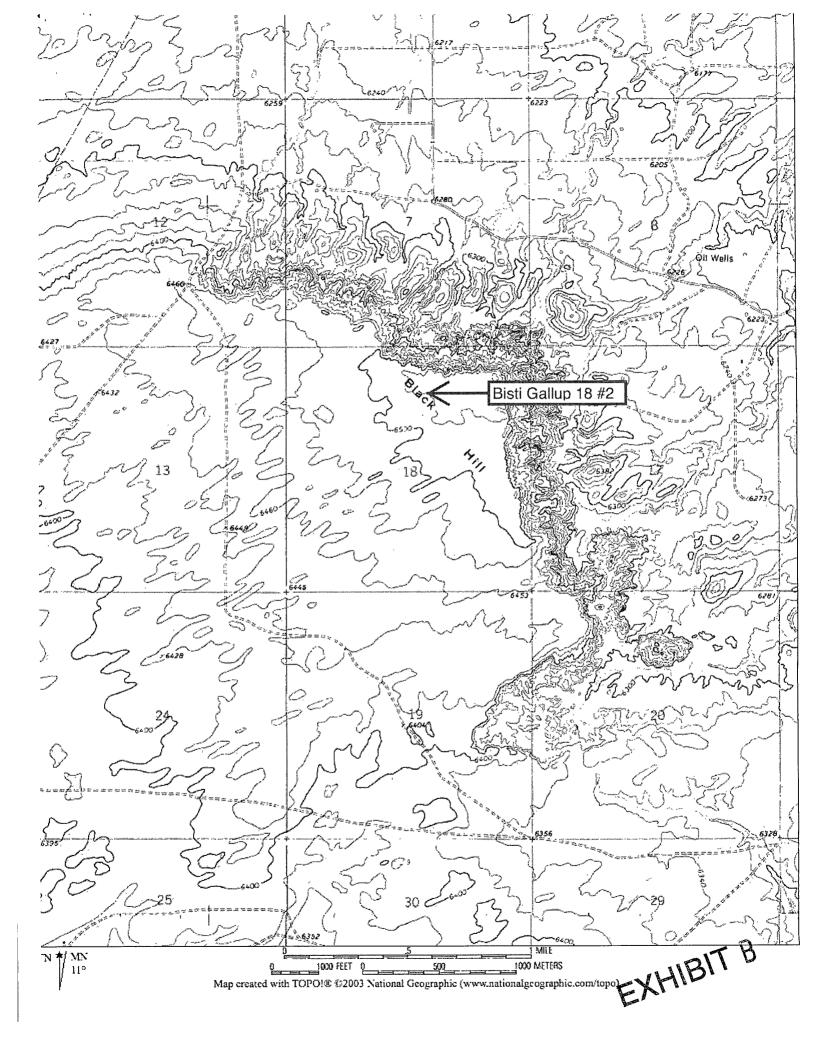
#### POD / SURFACE DATA REPORT 11/28/2008

						(quarters are	1=NW	2=NE 3=	SW 4=SE	)				
	(acre	ft per ann	ium)			(quarters are	bigg	est to s	mallest	x y	are in	Feet		4TU
DB File Nbr	Use	Diversion	Owner	POD	Number	Source	Tws	Rng Sec	qqq	Zone	x		Y	UTM_
RG 20770	DOM	3	ELMER W. SHUPE	RG	20770	Shallow	25N	13W 20						1
RG 22050	DOM	3	ERNEST GONZALES	RG	22050	Shallow	25N	13W 18						1
RG 22330	SAN	0	LOCH MARKETING CO.	RG	22330		25N)	13W 19						:
RG 23347	DOM	3	FILBERT E. & ESTHER F VIGIL	RG	23347	Shallow	25N	13W 19						:
RG 31138	DOM	3	STEVE & BETTY TRUJILLO	RG	31138	Shallow	25N	13W 18						:
RG 31290	DOM	3	FREDERICK T. KACKLEY	RG	31290	Shallow	25N	13W 18						:
RG 33272	DOM	0	MRS. FRANK ESQUIBEL	RG	33272		25N	13W 18	3					:
RG 33425	DOM	3	RAYMOND PIPER	RG	33425	Shallow	25N	13W 20						:
RG 33564	DOM	3	JUAN M. FERNANDEZ	RG	33564	Shallow	25N	13W 20						:
RG 33723	DOM	3	FRANCELLA DEVIS	RG	33723	Shallow	25N	13W 05	1					:
RG 33951	DOM	0	SIMON G. GONZALES	RG	33951		25N	13W 05						:
RG 34464	DOM	0	FELIPE DURAN	RG	34464		25N	13W 21						:
RG 34752	DOM	0	ALMAN H. VIETHS	RG	34752		25N	13W 20	3					:
RG 34799	DOM	3	EDD WETSEL	RG	34799	Shallow	25N	13W 05	4					:
RG 35839	DOM	3	MYRON E. PRICE	RG	35839	Shallow	25N	13W 19	4					:
RG 36707	MOD	3	MARK HIRSCH	RG	36707	Shallow	25N	13W 21	3					;
RG 38021	DOM	3	ANTONIO B. RAEL	RG	38021	Shallow	25N	13W 17	4					:
RG 38145	DOM	0	JANET TRUJILLO	RG	38145	-	25N	13W 08	2					
RG 38411	DOM	0	DOCETIO CASADOS	RG	38411		25N	13W 12						:
RG 39398	DOM	0	RICHARD C. TRUJILLO	RG	39398		25N	13W 21						
RG 40963 EXPL	OBS	3	TOWN OF TAOS .	RG	40963 ECPL	Shallow	25N	13W 08	1 1					
RG 65826 CLW	DOM	0	E. ANISETO ANGLADA	RG	65826 CLW		25N	13W 22		C	702200	19624	100	

Record Count: 22

EXHIBITA





Send To Printer

Back To TerraServer

Change to 11x17 Print Size

Show Grid Lines

Change to Landscape

**■USGS 463 km SW of Denver, Colorado, United States** 13 Oct 1997

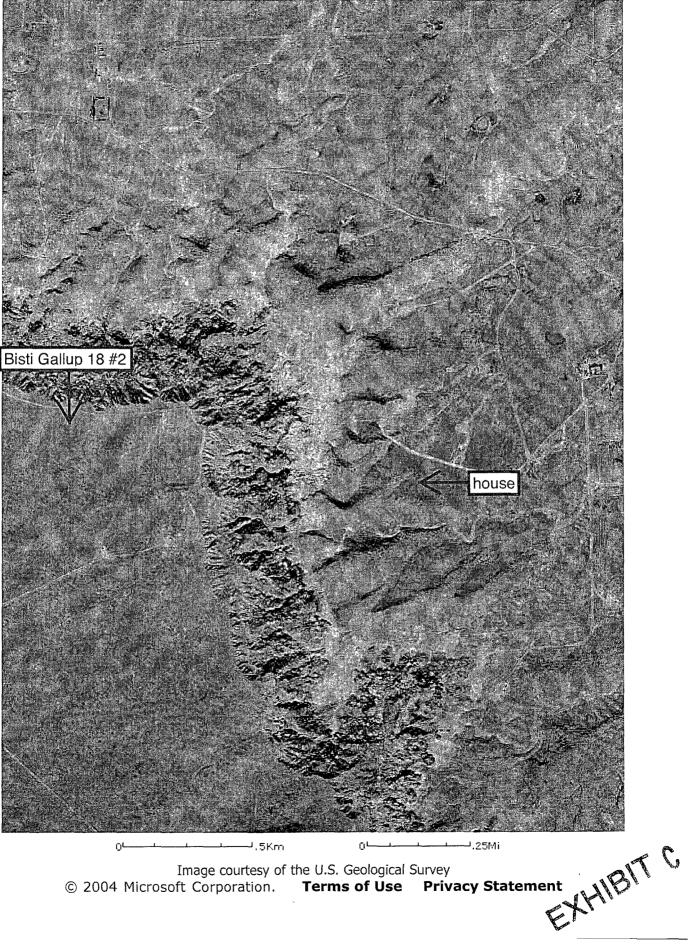
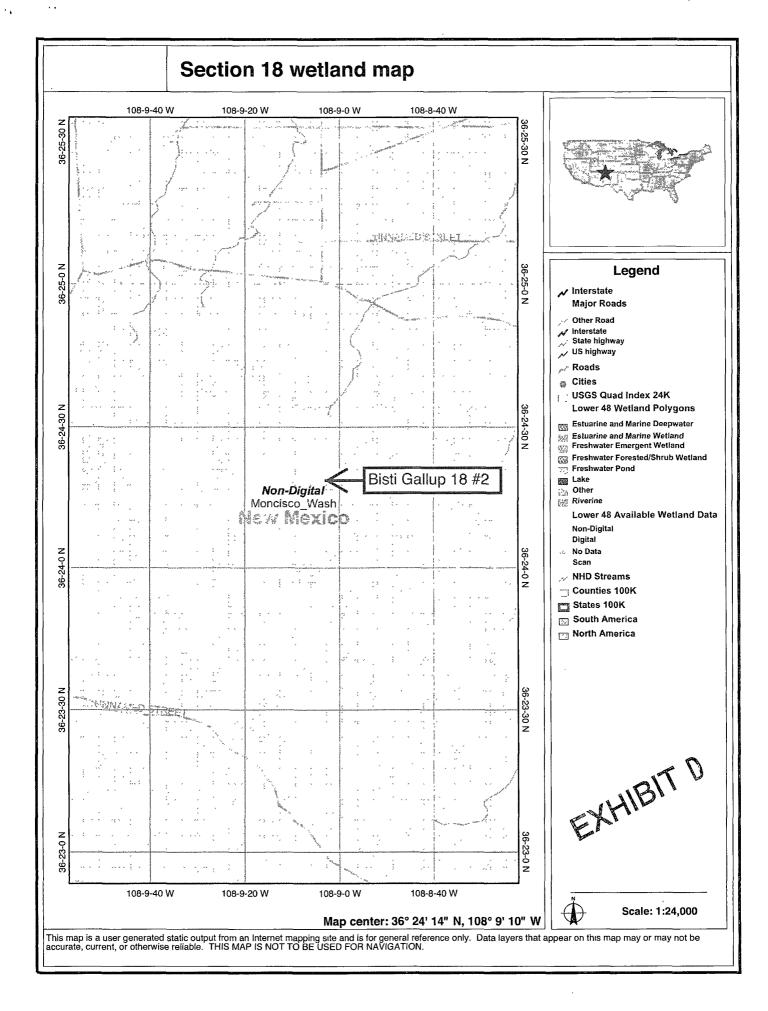
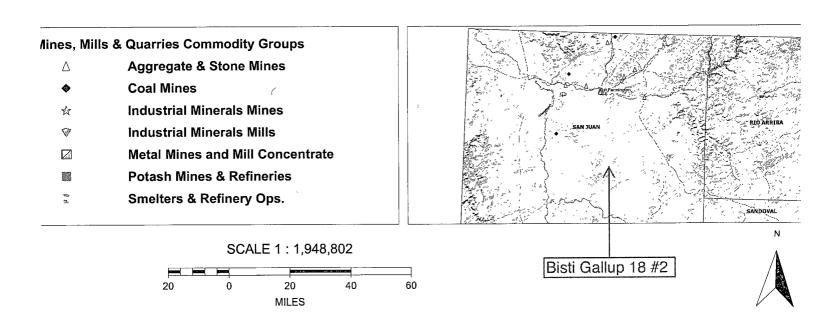


Image courtesy of the U.S. Geological Survey
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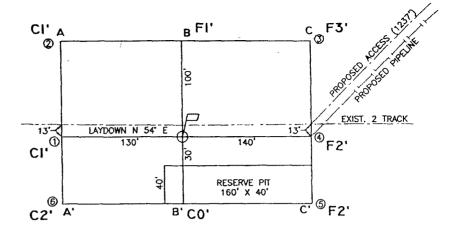


# MMQonline Public Version



EXPURITE

100



-A'	Ę.
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6530	
6520	
6510 -	
6500	

3-B'	ę						
6540							
6530							
6520							
6510							
6500							

-C'	ę							
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6530								
6520								
6510								
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CROSS SECTIONS
HORIZONTAL: 1"=100'
VERTICAL: 1"=10'

ONS =100' 10'

LEASE: BISTI GALLUP 18 #2

FOOTAGE: 990' FNL, 2310' FEL

SEC. 18 TWN. 25 N RNG. 12 W N.M.P.M.

LATITUDE: 36.405724° LONGITUDE: 108.151557°

ELEVATION: 6520

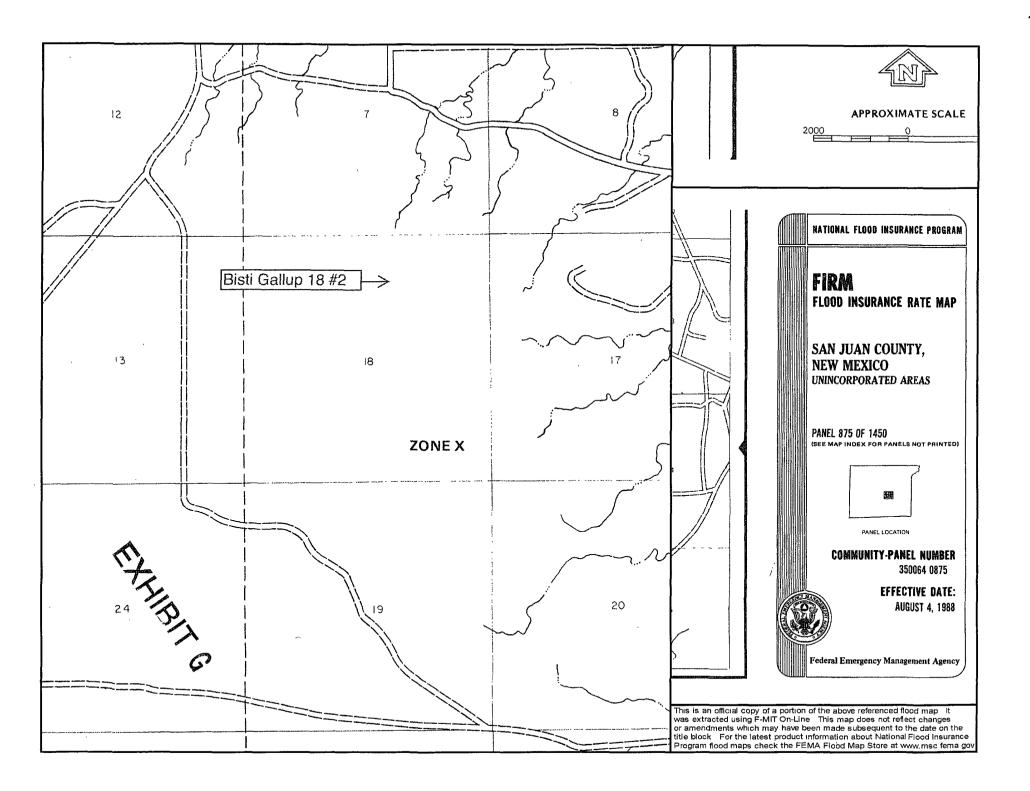
# ELM RIDGE EXPLORATION DALLAS, TEXAS

 SURVEYED:
 3/21/06
 REV. DATE:
 APP. BY R.P.

 DRAWN BY:
 A.D.
 DATE DRAWN:
 3/29/06
 FILE NAME:
 6629C01



P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505) 334-0408



DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980 State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised Febuary 21, 1994 Instructions on back

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State, Lease - 4 Copies
Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, N.M. 87410
DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLATRON COME DIVI

30-045- 33802	5890 Code	BISTI LOWER-GALLUP	DIST. 3
Property Code	· BIST	Well Number 2	
149052		Operator Name GE EXPLORATION	* Elevation 6520

<sup>10</sup> Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 2310 SAN JUAN 990 **NORTH EAST** 18 25 N 12 W В 11 Bottom Hole Location If Different From Surface North/South line UL or lot no. Section Township Range Lot Idn Feet from the Feet from the East/West :line County Dedicated Acres 15 Joint or Infill 14 Consolidation Code 15 Order No. 80N2N84

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION ;

	OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION								
16	S 89°49'31" E	2620.01	S 89°52'12" E	2639.63	1	17 OPERATOR; CERTIFICATION			
	,		-0		87.	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
in in		pit center	6			the did company to he occurs, my discussion of			
2640.51		N 36.405780° -	24		528	$\Lambda$			
56		W 108.151588°	· · · · · · · · · · · · · · · · · · ·	2310'		7 /			
	•		LAT. 36.405724° LONG. 108.151557°	2310		13/ \=//			
一			NAD 83			Stable			
ш						Signature BRIAN WOOD			
N 0°12'10" E		1				Printed Name CONSULTANT			
0.12									
z						JUNE 6, 2006			
		SECT	ION 18			Date			
						18 SURVEYOR CERTIFICATION			
						I hereby certify that the well location shown on this plat			
38				ļ		was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and			
2639.38						correct to the best of my belief			
20						3/21/06			
			•			Date of Survey ROBERT L. POUND			
			<del>                                     </del>			Signature and Seal of Processions Socresion			
ш					. ₹				
:73					3.	10EN (6846) ROOM			
0911.57					0°08'58	GR (6846) 86			
o z					S				
ll l	N 89°49'15" W	2624.46	N 89°49'52" W	2639.94		Certificate Number			
Į.	N 61 64.40 N	2024.40	14 07-47.25 M	2039.94		Chimicare Million (004-0			

EXHIBITH

From: brian wood <bri>depermitswest.com>

Subject: Elm Ridge Bisti Gallup 18 #2

Date: November 29, 2008 2:46:03 PM MST

To: howarddraper@frontiernet.net



As required by NMOCD pit rule Subsection F of 19.15.17.13 NMAC, I am notifying the Navajo Nation as surface owner that Elm Ridge plans to close its temporary (reserve) pit using on site closure (burial) in the same pit. The well is at 990 FNL & 2310 FEL 18-25n-12w, San Juan County, NM.

The well is on lease NMNM-025446.

API # 30-045-33802

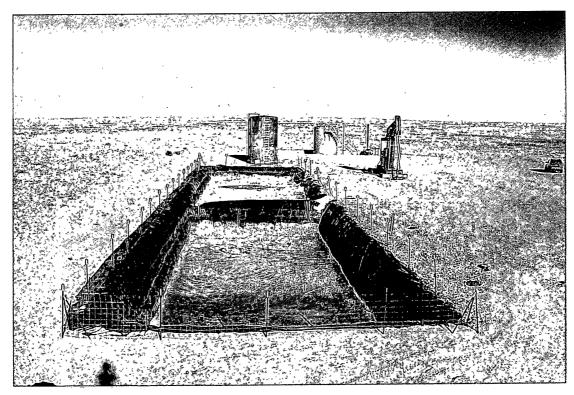
This was authorized by the Navajo Nation under SAS DNR-11395 in January, 2007.

Please call me if you have any questions.

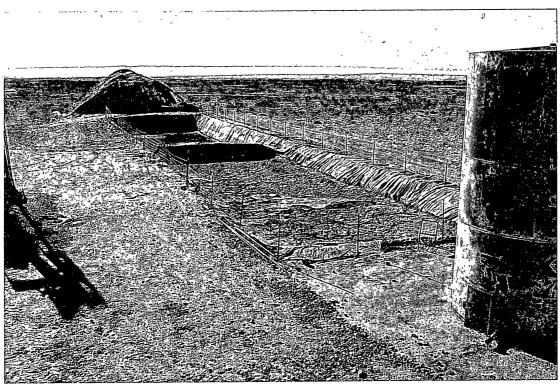
Brian Wood Permits West, Inc. 37 Verano Loop, Santa Fe, NM 87508

Phone: 505 466-8120 FAX: 505 466-9682

EXHIBIT



LOOKING EAST AT BISTI GALLUP 18 #2 PIT



LOOKING WEST AT PIT

