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

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

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
lease 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 nvironment. 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 #6
, , , , , , , , , , , , , , , , , , ,

API Number: 30-045-33803 OCD Permit Number:
U/L or Qtr/Qtr <u>F</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 36.402162° N Longitude 108.155982° W NAD: 1927 \(\big 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19.15 17.11 NMAC
Temporary: 🛛 Drilling 🔲 Workover
Permanent Emergency Cavitation P&A
☐ Lined ☐ 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: Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams: Welded Factory Other Other
W DFC 200
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:bbl Type of fluid
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmıl
S. 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, keeping the strange of the s	ospıtal,
institution or church) [Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify minimum 36" hog wire topped with at least 1 strand of barbed wire = at least 48" high fence	·
7. 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)	
R	
Signs: Subsection C of 19.15.17.11 NMAC	
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 Burcau 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) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock 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	☐ Yes ☐ No
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 fect 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

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:										
Closed-loop Systems 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. 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: API Number: (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)										
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 ₂ 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 temperature site and alread learn waters)										
 ☑ 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) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC										

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.	d Steel Tanks or Haul-off Bins Only: (19.15.17.13.I drilling fluids and drill cuttings. Use attachment if the	NMAC) nore than two
Disposal Facility Name:	Disposal Facility Permit Number:	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associated activities of Yes (If yes, please provide the information below) ☐ No		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	te requirements of Subsection H of 19.15.17.13 NMAOn I of 19.15.17.13 NMAC	C
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 requestive an exception which must be submitted to the Santa Fe Environment demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	ire administrative approval from the appropriate dist. al 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; Da	ata 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, Da	ata 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 - iWATERS database search; USGS; Da	ata obtained from nearby wells	⊠ Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other si lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ignificant watercourse or lakebed, sinkhole, or playa	☐ Yes ☑ No
Within 300 feet from a permanent residence, school, hospital, institution, or churc - Visual inspection (certification) of the proposed site; Aerial photo; Satelli		☐ Yes ⊠ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that le watering purposes, or within 1000 horizontal feet of any other fresh water well or - 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 wa adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written appro	•	☐ Yes ☒ No
Within \$00 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Vise	ual 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-Minim	ng and Mineral Division	☐ Yes 🖾 No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geolo Society; Topographic map	gy & Mineral Resources; USGS; NM Geological	☐ Yes 🏻 No
Within a 100-year floodplain FEMA map		☐ Yes ⊠ No
18.		
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 appropriate requirements of Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19. 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	equirements of 19.15.17.10 NMAC, of Subsection F of 19.15.17.13 NMAC See 10. on API appropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19.15.17.13 NMAC equirements of Subsection F of 19.15.17.13 NMAC of Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cannot H of 19.15.17.13 NMAC n I of 19.15.17.13 NMAC	O Page 9 (Exhibit K) 15.17.11 NMAC

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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
OCD Approval: Permit Application (including closure plan) Closure Plan (only) COCD Conditions (see attachment)
OCD Representative Signature: Branson Campl Approval Date: 12-11-08
Title: Envirolspec 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.
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
Required 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 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):
Signature: Date:

e-mail address:_

Telephone: _

Elm Ridge Exploration Company, LLC
Bisti Gallup 18 #6 temporary pit proposed closure
2310' FNL & 1640' FWL Sec. 18, T. 25 N., R. 12 W.
San Juan County, New Mexico
API #30-045-33803

Siting Criteria

1. Ground water is >100' below the pit bottom. This estimate is based on the Carson well which is ≈ 5 mile ESE in 13-25n-12w and the windmill which which is ≈ 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

6,496' oil well ground elevation
- 10' deep pit
- 6,071' water elevation

≈415' 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 Hunter Wash is miles southwest (Exhibit B).
- 3. Pit is not within 300' of any building. Closest building is >1 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).
- 8. Pit is not in an unstable area. No evidence of earth movement was found



Elm Ridge Exploration Company, LLC Bisti Gallup 18 #6 temporary pit proposed closure 2310' FNL & 1640' FWL Sec. 18, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-33803

during a November 17, 2008 inspection. Maximum grade is ≈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 #6 temporary pit proposed closure 2310' FNL & 1640' FWL Sec. 18, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-33803

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 #6 temporary pit proposed closure 2310' FNL & 1640' FWL Sec. 18, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-33803

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: চুল্মেন্ট্রন্ত্রাক Basin: (১ বিলিয়ে ক্রিন্ত্রিক বিশ্বন্ত্রাক	
Owner Name: (First) (Last) ONon-Domestic ODomestic All	
(POD / Surface Data Report) (Avg Depth to Water Report) (Water Column Report)	
(Clear Form) (IWATERS Menu) (Help)	

POD / SURFACE DATA REPORT 11/28/2008

		POD / SURFACE DATA REPORT I	1/28/2008														
			+	quarters are	2 1=NW	2=NE 3	SW 4=SE)									
(acre	ft per ann	aum)		quarters are	e bigg	est to	smallest	X Y	are in	Feet	UTM are	in Meters)	Start	Finish	Depth	Depth (in feet)
DB File Nbr Use	Diversion	Owner	POD Number	Source	Tws	Rng Se	cqqq	Zone	х	¥	UTM_Zone	Easting	Northing	Date	Date	Well	Water
RG 21872 DOM	0	LILA C. ROMERO	RG 21872		25N	12W 35					13	223514	4028055				
RG 37972 DOM	0	PATRICIA E. SOKOLL	RG 37972		25N	12W 24		С	689000	1959500	13	445425	4026680				
RG 43582 DOM	3	BERNICE F. CORDOVA	RG 43582	Shallow	· 25N	12W 23					13	223616	4031274	05/01/1985	05/01/1985	50	8
RG 46561 DOM	0	SHIRLEY GORMAN	RG 46561		25N	12W 30					13	217131	4029874				
RG 47243 DOM	3	JOSEPH & ELAINE LOVATO	RG 47243	Shallow	25N	12W 12	4				13	225728	4034012	05/18/1987	05/18/1987	65	18
RG 49046 DOM	3	EDDIE BERG	RG 49046	Shallow	25N	12W 22					, 13	222007	4031325	04/22/1988	04/25/1988	40	8
RG 61107 DOM	3	GLEN D. WEATHERS	RG 61107	Shallow	25N	12W 27	3 3	C	678500	1958950	13	442224	4026554	12/15/1994	12/15/1994	130	50
RG 63120 DOM	3	CHRISTINA TRUJILLO	RG 63120	Shallow	25N	12W 31		C	689100	1949800	13	445418	4023724	10/03/1995	10/03/1995	60	30
RG 76392 DOM	3	CYNTHIA AGUIRRE	RG 76392	Shallow	25N	12W 11		С	684250	1972400	13	444029	4030629	10/25/2001	10/25/2001	102	19
SJ 00079 OIL	0	SHELL OIL COMPANY	SJ 00079	Shallow	25N	12W 13	4				13	225677	4032403		03/27/1957	2550	
SJ 01716 STK	15	U.S. DEPT. OF INTERIOR	SJ 01716	Shallow		12W 01					13	225189	4035835	06/20/1963	02/05/1964	403	210
SP 02870 25 IRR	78.42		SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25A IRR	5.4	ANN OSBURN	SP 02870 25C			12W 24					13	225023	4030606				
<u>SP 02870 25B</u> IRR	O	D.J. ELKINS	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25BA IRR	0	MAX D. KENNEMER TRUST	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25BB IRR	0	CITY OF FARMINGTON	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25C IRR	8.76	MAX D. KENNEMER TRUST	SP 02870 25C			12W 24					13	225023	4030606				
<u>SP 02870 25D IRR</u>	3	CECIL C. & GLADYS CAST TRUST	SP 02870 25C	_		12W 24					13	225023	4030606				
SP 02870 25E IRR	б	DOUGLAS JAMES BURGER	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25F IRR	10.5		SP 02870 25C	_		12W 24					13	225023	4030606				
SP 02870 25G IRR	41.1		SP 02870 25C			12W 24					13	225023	4030606				
<u>SP 02870 25H</u> IRR	0	HENRY JOHN NOWAKOWSKI	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25I IRR	4.65		SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25L IRR	1.8	JUSTIN L. KIDDOO	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 25M IRR	1.5	ZANE G. LESLIE, JR.	SP 02870 25C			12W 24					13	. 225023	4030606				
SP 02870 25N IRR	0	CAROLYN BETH MCKEE	SP 02870 25C			12W 24					13	225023	4030606				
SP 02870 250 IRR	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

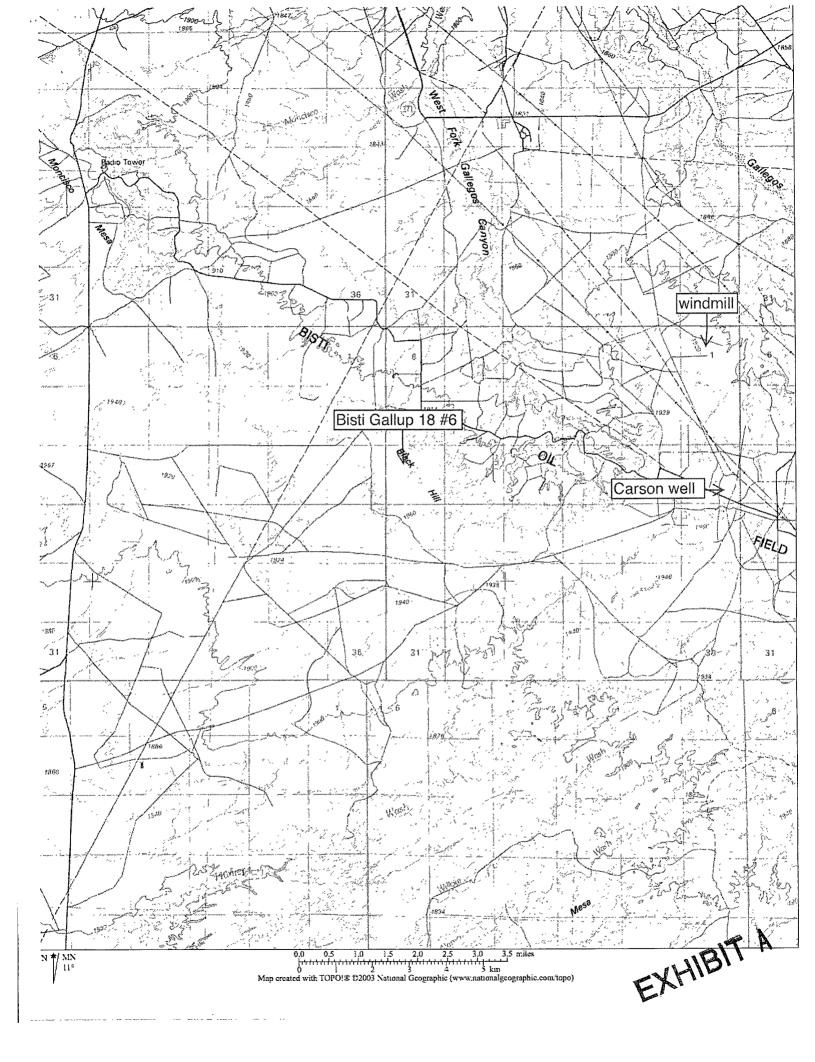
Towns	hip: 25N Range: 13W Sections:
NAD27	X: Y: Zone: Search Radius:
County:	Basin: Suffix: Number: Suffix:
Owner Name: (First	(Last) ONon-Domestic Comestic All
PO	D / Surface Data Report
	(Clear Form) (WATERS Menu) (Help)

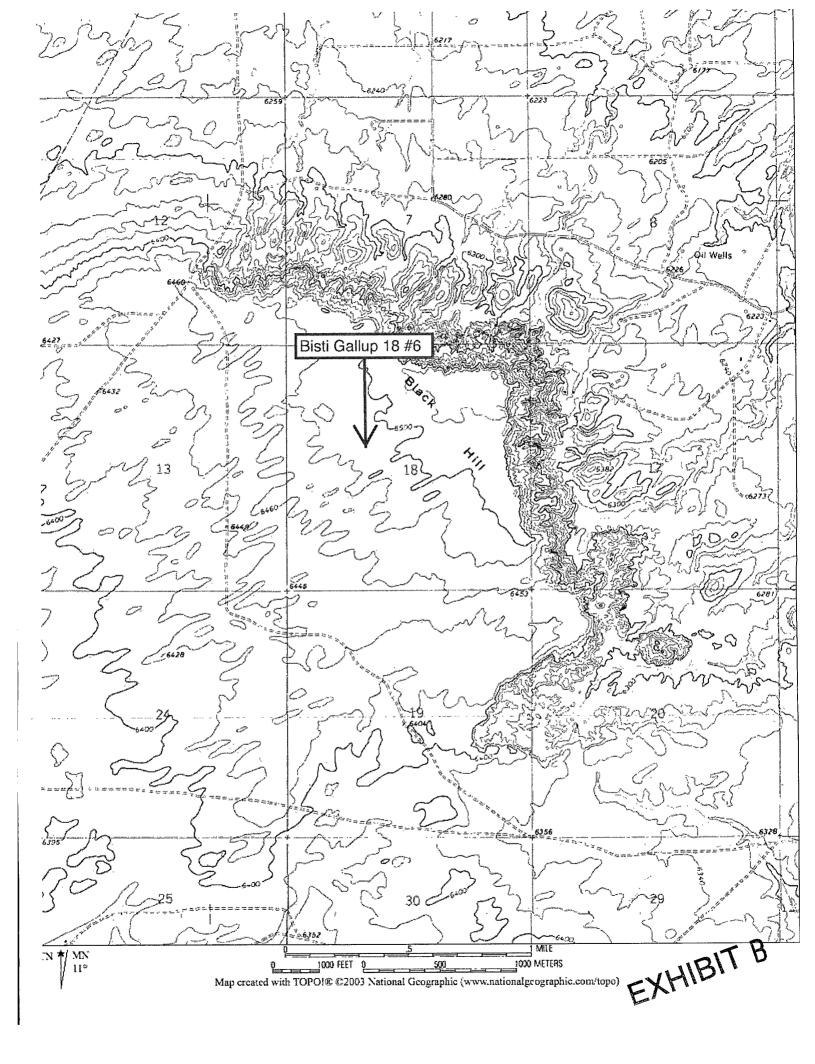
POD / SURFACE DATA REPORT 11/28/2008

			POD / SURFACE DATA REPORT	11/28/2008									
					(quarters are	1=NW	2=NE 3=	≈SW ·	4=SE)				
	(acre	ft per ann	um)		(quarters are	bigg	est to s	smal	lest	X Y	are in :	Feet	
DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng Sec	q	qq	Zone	x		¥
RG 20770	DOM	3	ELMER W. SHUPE	RG 20770	Shallow	25N	13W 20						
RG 22050	DOM	3	ERNEST GONZALES	RG 22050	Shallow	25N	13W 18						
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 FIPER	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	DOM	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	196240	٥٥

Record Count: 22

EXHIBITA





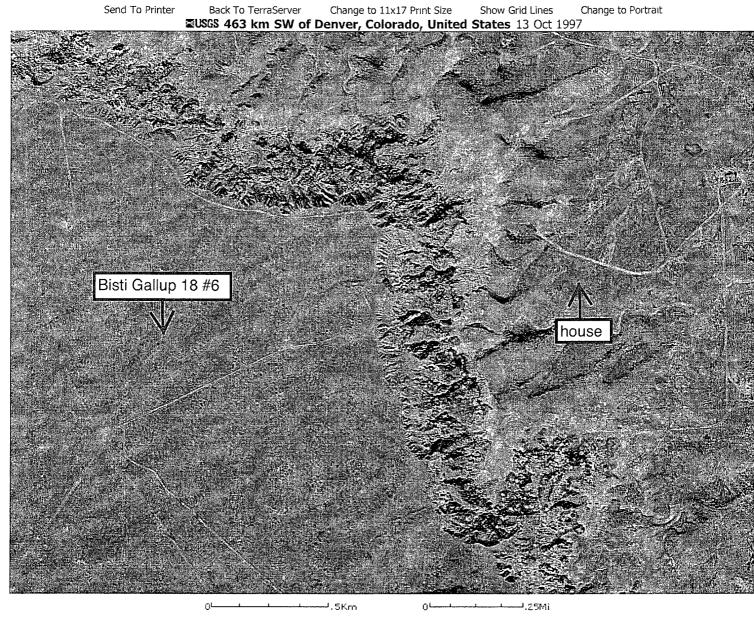
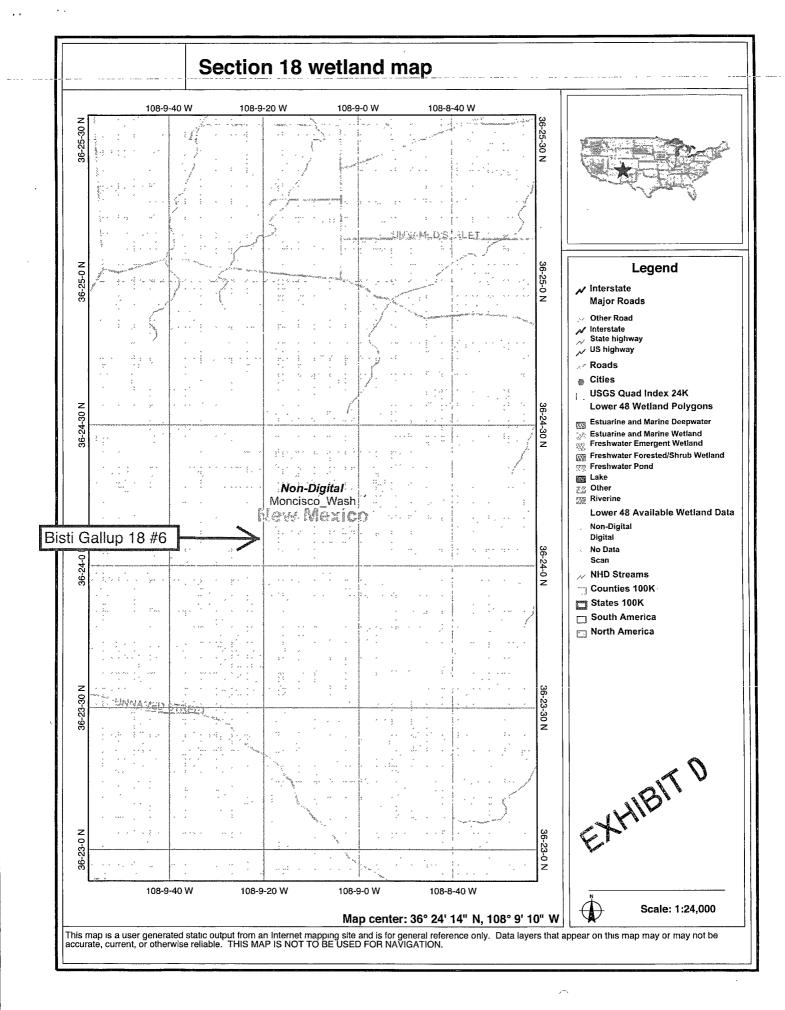
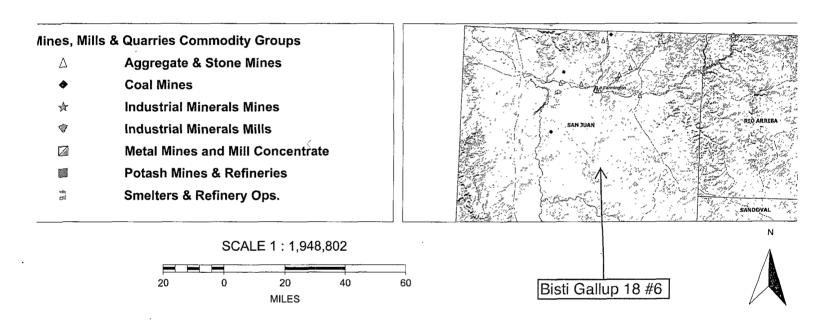


Image courtesy of the U.S. Geological Survey
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EXHIBITO



MMQonline Public Version



EXHIBITE

INOTIFY
NEW MEXICO ONE-CALL
BEFORE COMMENCING
EXCAVATIONI
(800) 321-2537 c CO, B F6' F8'A 0 LAYDOWN S 27" W 15'-FI' ① 140 130 9 RESERVE PIT 100 160' X 40' 6 B, C2, A SCALE: 1"=100" C0, 6510 6500 6490 6480 6470 Ę B-B' 6510 6500 6490 . 6480 6470 C-C, 6510 6500 6490 6480 6470 · CROSS SECTIONS

CROSS SECTIONS
HORIZONTAL: 1"=100'
VERTICAL: 1"=10'

LEASE: BISTI GALLUP 18 #6

FOOTAGE: 2310' FNL, 1640' FWL

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

LATITUDE: 36.402096° LONGITUDE: 108.156008°

ELEVATION: 6496

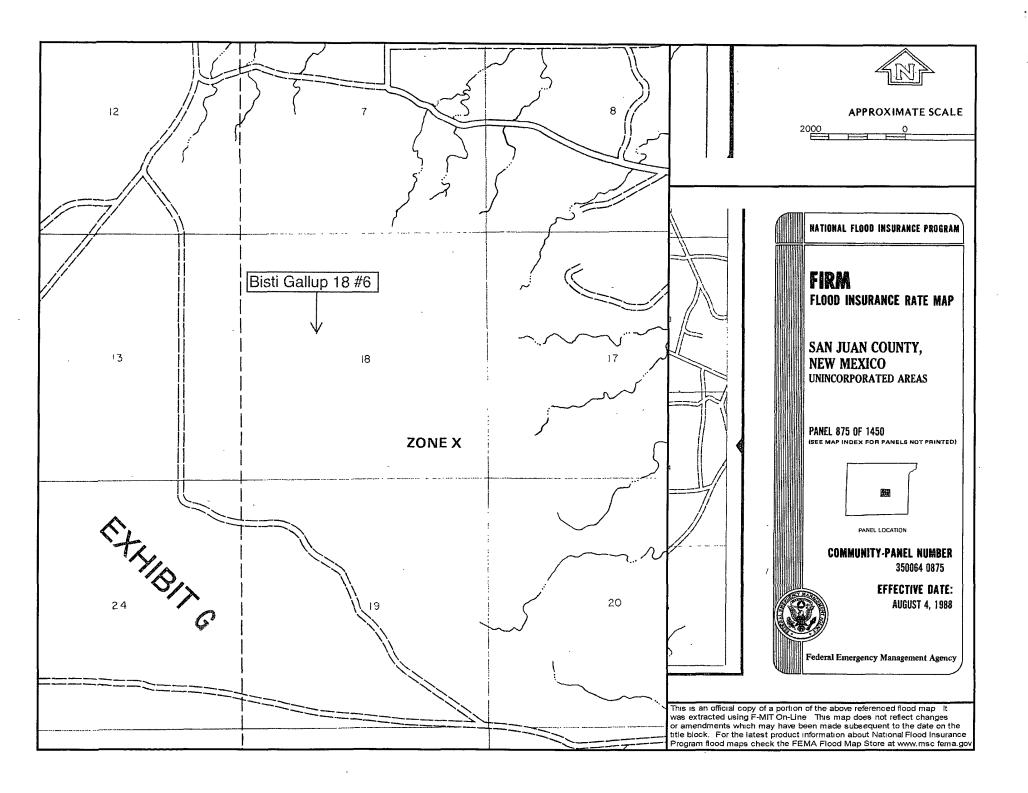
ELM RIDGE EXPLORATION DALLAS, TEXAS

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

 DRAWN BY:
 A.D.
 DATE DRAWN:
 3/29/06
 FILE NAME:
 6630C01



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



DISTRICT I P.O. Box 1980, Hobbs, N.M. 68241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

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

DISTRICT II 611 South First, Artesia, N.M. 88210

¹API Number

Property Code

OGRID No. 149052

Dedicated Acres

79.48

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

is Joint or Infill

14 Consolidation Code

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLATON COME STORY Pool Name * Pool Code **BISTI LOWER-GALLUP** 0-045-33803 5890 Well Number ⁸Property Name **BISTI GALLUP 18** 6 ^a Elevation Operator Name 6496

¹⁰ Surface Location UL or lot no. Section Township Feet from the North/South line Feet from the East/West line County Range SAN JUAN F 18 25 N 12 W 2310 **NORTH** 1640 WEST 11 Bottom Hole Location If Different From Surface Feet from the North/South line UL or lot no. Section Township Lot Idn Feet from the East/West line County

ELM RIDGE EXPLORATION

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

15 Order No.

	010 11 11011 1511111	DAND UNII HAS B	DEN ALLICONED D	THE DIVIDION
16 S 89°49'31" E	2620.01'	S 89°52'12" E	2639.63'	17 OPERATOR: CERTIFICATION
		, ,		I hereby certify that the information contained herrin is true and complete to the best of my knowledge and belief
20			8.	
2640.51			528	
56	o pit	center		
	pit pit	v 36.402162°		$ \mathcal{Q}_1\rangle$
		108.155982°		1 taked
w / /		, ,		Signature DDIANI MOOD
2.2				BRIAN WOOD
01.2.10	AT. 36.40209	60		Printed Name CONSULTANT
z	LONG. 108.156		,	711
1640'	→ NAD 83			JUNE 13, 2006
	SECT	ION 18		Date
				18 SURVEYOR CERTIFICATION
				I hereby certify that the well location shown on this plat
8.				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.
56				3/21/06 QSHALL W. LAD. Date of Survey ATT CW MEL
		•		Date of Survey
				Date of Survey Signature and Seal of Professional Surveyor.
			}	17070
w :			a d	(17078) E
0911.57			a w	"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\
50			8	S CO TO SIE
z		1	•	
N 89°49'15" W	2624.46	N 89°49'52" W	2639.94*	Certificate Number

^{*} PROPOSED LOCATION IS 339' EAST OF WEST LINE OF SE/4 NW/4

EXHIBIT H

From: brian wood <bri>drian@permitswest.com>

Subject: Elm Ridge Bisti Gallup 18 #6

Date: November 29, 2008 3:51:48 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 2310 FNL & 1640 FWL 18-25n-12w, San Juan County, NM.

The well is on lease NMNM-025446.

API # 30-045-33803

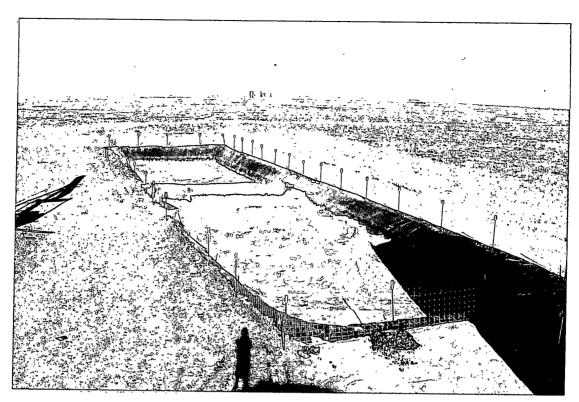
This was authorized by the Navajo Nation under SAS DNR-11394 in January, 2007.

Please call me if you have any questions.

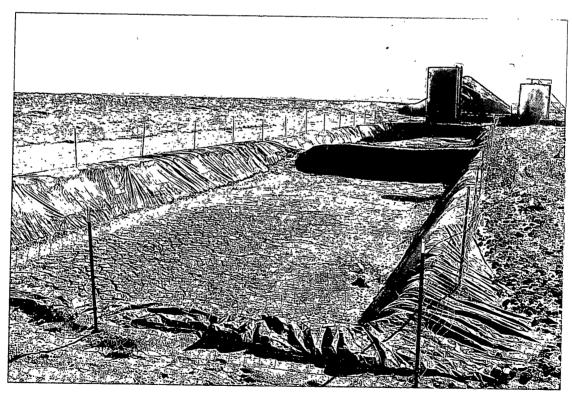
Brian Wood Permits West, Inc. 37 Verano Loop, Santa Fe, NM 87508

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

EXHIBIT



LOOKING EAST AT BISTI GALLUP 18 #6 PIT



LOOKING WEST AT PIT

