$\frac{District\ I}{1625\ N}\ French\ Dr\ ,\ Hobbs,\ NM\ 88240$ 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.

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Pit Closed-Loon System Below-Grade Tank or

Tit, Closed-Loop System, Delow-Glade Talik, 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
Operator: ELM RIDGE EXPLORATION COMPANY, LLC OGRID #: 149052
Address: P. O. BOX 156, BLOOMFIELD, NM 87413
Facility or well name: SOUTH BISTI 21 H #2
API Number: <u>30-045-34131</u> OCD Permit Number:
U/L or Qtr/Qtr <u>G</u> Section <u>21</u> Township <u>25 N</u> Range <u>12 W</u> County: <u>SAN JUAN</u>
Center of Proposed Design: Latitude 36.38855° N Longitude 108.11442° W NAD: ☐ 1927 ☐ 1983
Surface Owner:
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 RECEIVED
4. DEC 2000 3
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid: bbl Type of fluid:
Tank Construction material:
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmil
5.
□ Alternative Method:
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, institution or church)	hospital,
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 Other	
Monthly inspections (If netting or screening is not physically feasible)	
a name of the state of the stat	
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	
9. 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 a 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 ☐ NA
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
- 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	
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

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 19.15.17.12 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 Operating and Maintenance Plan 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 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Preeboard 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 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
14. 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) □ 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 St Instructions: Please indentify the facility or facilities for the disposal of liquids, dra facilities are required.	eel Tanks or Haul-off Bins Only: (19.15.17.13.Lilling fluids and drill cuttings. Use attachment if n	NMAC) nore than two
•	isposal Facility Permit Number:	
	isposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur. Yes (If yes, please provide the information below) No	ir 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 operations Soil Backfill and Cover Design Specifications based upon the appropriate re Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection	equirements of Subsection H of 19.15.17.13 NMAC 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 cloprovided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental Edemonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	administrative approval from the appropriate disti Sureau 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; Data of	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 of	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; Data of	obtained from nearby wells	⊠ Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signi lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ficant watercourse or lakebed, sinkhole, or playa	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in Visual inspection (certification) of the proposed site; Aerial photo; Satellite is		☐ Yes ⊠ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less t watering purposes, or within 1000 horizontal feet of any other fresh water well or spr - NM Office of the State Engineer - 1WATERS database; Visual inspection (ce	ing, in existence at the time of initial application.	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval	-	☐ 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 a	nd Mineral Division	☐ Yes ⊠ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology of Society; Topographic map	& 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 Joy a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate of Siting Construction/Design Plan of Temporary Pit (for in-place burial of a drying page of Protocols and Procedures - based upon the appropriate requirements of 19.15. Siting Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Siting Disposal Facility Name and Permit Number (for liquids, drilling fluids and drim Soil Cover Design - based upon the appropriate requirements of Subsection High Re-vegetation Plan - based upon the appropriate requirements of Subsection I	rements of 19.15.17.10 NMAC Subsection F of 19.15.17 13 NMAC See 10. on API ropriate requirements of 19.15.17.11 NMAC 1) - based upon the appropriate requirements of 19. 17.13 NMAC rements of Subsection F of 19.15.17.13 NMAC ubsection F of 19 15.17.13 NMAC Il cuttings or in case on-site closure standards cann of 19.15.17.13 NMAC	O Page 9 (Exhibit K) 15.17 11 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection 1		

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: <u>brian@permitswest.com</u> Telephone: (505) 466-8120	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)	
OCD Representative Signature: Approval Date: 12-11	-08
Title: Enviro/spec 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 The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not consection 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 If different from approved plan, please explain.	systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off E Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment 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 <i>will not</i> be used for future service and opera Yes (If yes, please demonstrate compliance to the items below) No	tions?
Re-puired 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 indicated in the closure report.	ate, 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	J 1983
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. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plant.	
Name (Print) Title:	
Signature: Date:	****
e-mail address: Telephone:	

Elm Ridge Exploration Company, LLC South Bisti 21 H #2 temporary pit proposed closure 1980' FNL & 1920' FEL Sec. 21, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-34131

Siting Criteria

1. Ground water is >100' below the bottom of the pit. This estimate is based on the Carson well which is ≈ 3 miles ENE in 13-25n-12w and the windmill which which is ≈ 4 miles NNE in 1-25n-12w. 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

6,288' oil well ground elevation
- 10' deep pit
- 6,071' water level

≈207' 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 over 3/4 mile southeast (Exhibit B).
- 3. Pit is not within 300' of any building. Closest buildings are ≈ 2 miles southwest (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 South Bisti 21 H #2 temporary pit proposed closure 1980' FNL & 1920' FEL Sec. 21, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-34131

- 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 3% (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 (BLM) 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.



PAGE 3

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>	<u>Test Method</u>	<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 South Bisti 21 H #2 temporary pit proposed closure 1980' FNL & 1920' FEL Sec. 21, T. 25 N., R. 12 W. San Juan County, New Mexico API #30-045-34131

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: Search Radius:
County: क्रिक्ट क्रिक क्रिक्ट क्रिक क्रिक क्रिक्ट क्रिक
Owner Name: (First) (Last) (Non-Domestic ODomestic OAll
[POD / Surface Data Report] (Avg Depth to Water Report) (Water Column Report)
(Clear Form) (WATERS Menu) (Help)

POD / SURFACE DATA REPORT 11/28/2008

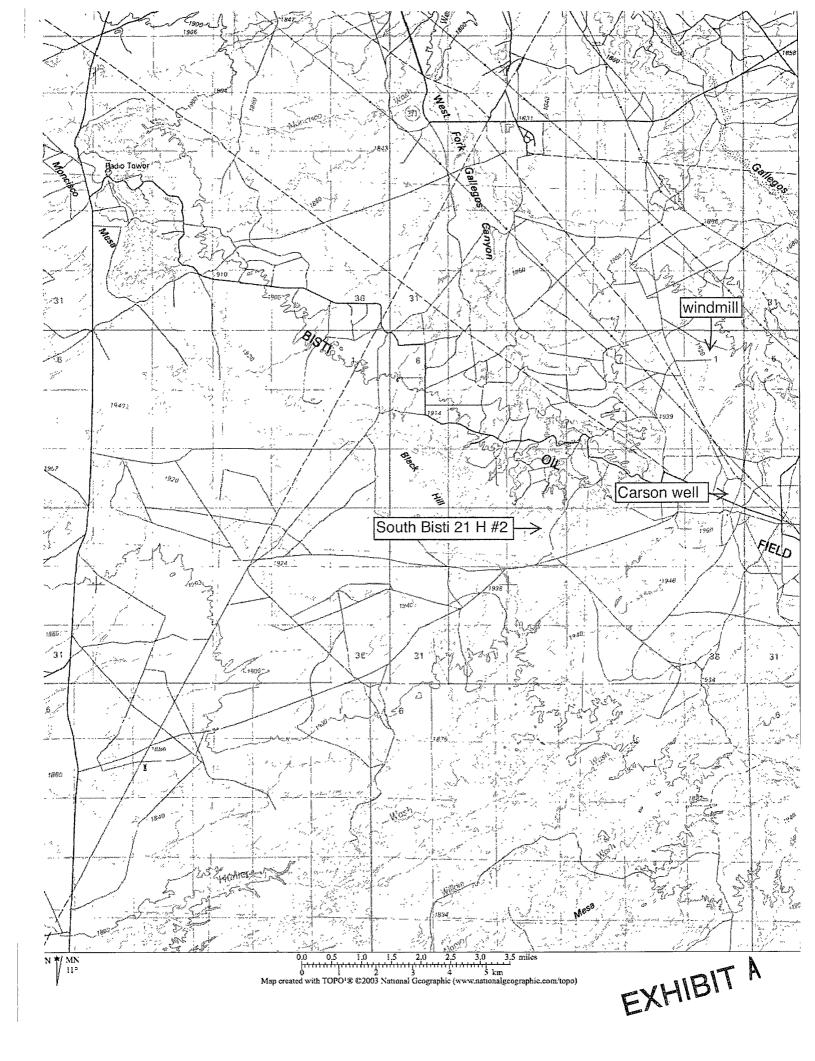
					arters are													
	(acre	ft per ann	um)		uarters ar					are in	Feet	UTM are	in Meters)	Start	Finish	Depth :	Depth (in feet)
	Use	Diversion		POD Number	Source		Rng Se	: पूर्व प	Zone	x	¥	UTM_Zone	Easting	Northing	Date	Date	Well W	ater
RG 21872	DOM	0	LILA C. ROMERO	RG 21872	_		12W 35					13	223514	4028055				
RG 37972	MOD	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							13	223616		05/01/1985	05/01/1985	50	8
RG 46561	DOM	0	SHIRLEY GORMAN	RG 46561	-							13	217131	4029874				
RG 47243	MOG	3	JOSEPH & ELAINE LOVATO	RG 47243	_ Shallow		12W 12	4				13	225728	4034012	05/18/1987	05/18/1987	65	18
RG 49046	MOD	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			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	25N	12W 01	32				13	225189	4035835	06/20/1963	02/05/1964	403	210
SP 02870 25	IRR	78.42	BLOOMFIELD IRRIGATION DISTRICT	SP 02870 25C	-	25N	12W 24	3 4				13	225023	4030606				
SP 02870 25A	IRR	5.4	ANN OSBURN	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606				
SP 02870 25B	IRR	0	D.J. ELKINS	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606				
SP 02870 25BA	IRR	0	MAX D. KENNEMER TRUST	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606				
SP 02870 25BB	IRR	0	CITY OF FARMINGTON	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606				
SP 02870 25C	IRR	8.76	MAX D. KENNEMER TRUST	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606				
SP 02870 25D	IRR	3	CECIL C. & GLADYS CAST TRUST	SP 02870 25C	-	25N						13	225023	4030606				
SP 02870 25E	IRR	6	DOUGLAS JAMES BURGER	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606				
SP 02870 25F	IRR	10.5	ROBIN C. PRICE	SP 02870 25C	_	25N	12W 24	34				13	225023	4030606				
SP 02870 25G	IRR	41.1	LILLIE MAE JOHNSON	SP 02870 25C	-	25N	12W 24	34				13	225023	4030606				
SP 02870 25H	IRR	0	HENRY JOHN NOWAKOWSKI	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606				
SP 02870 25I	IRR	4.65	MARTIN SALAZAR	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606				
SP 02870 25L	IRR	1.8	JUSTIN L. KIDDOO	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606				
SP 02870 25M	IRR	1.5	ZANE G. LESLIE, JR.	SP 02870 25C		25N	12W 24	3 4				13	225023	4030606				
SP 02870 25N	IRR	0	CAROLYN BETH MCKEE	SP 02870 25C	-	25N	12W 24	3 4				13	225023	4030606				
SP 02870 250	IRR	0	AURORA LEE CHRISTENSEN	SP 02870 25C	_	25N	12W 24	3 4				13	225023	4030606				•

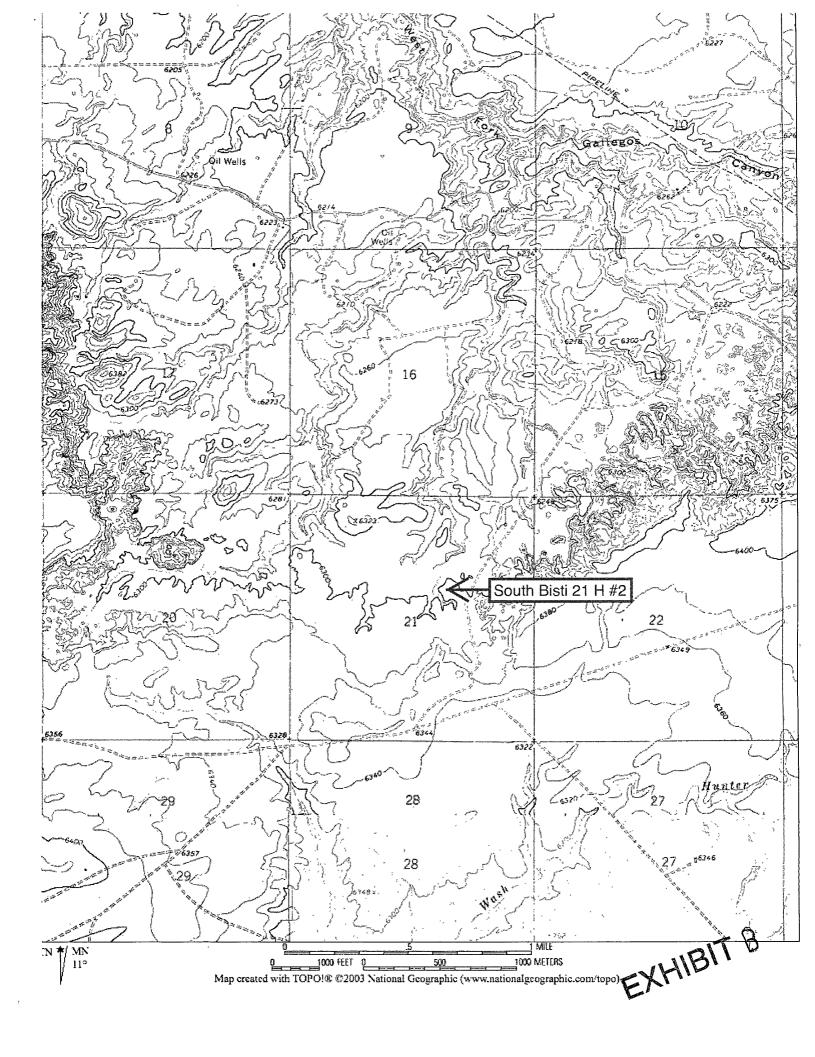
Record Count: 27

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

Page 1 of 1







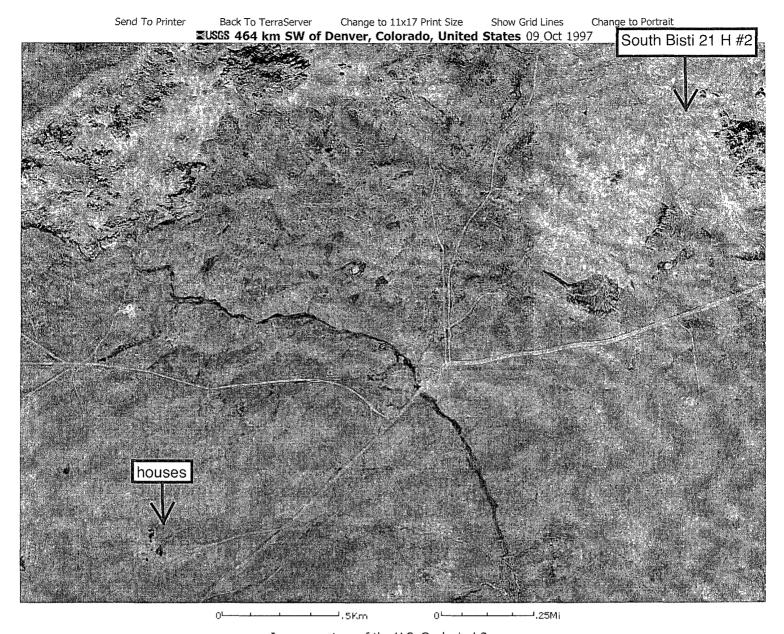
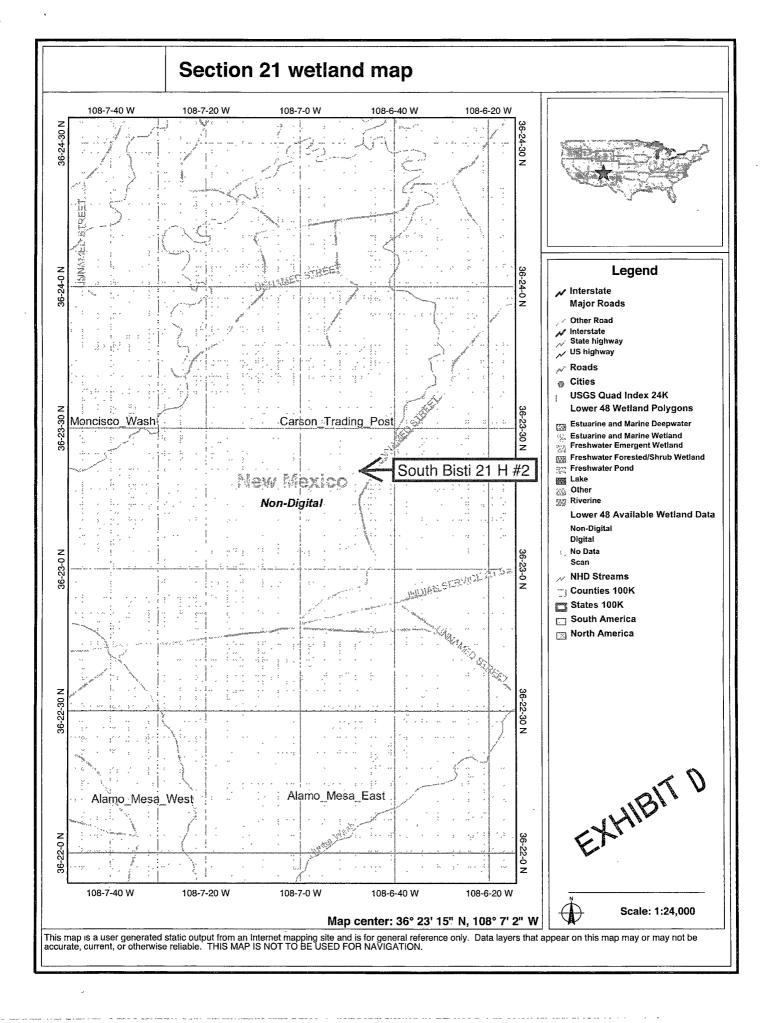
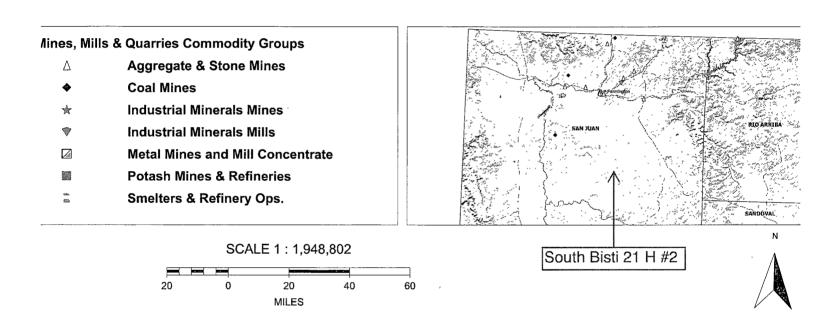


Image courtesy of the U.S. Geological Survey
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EXHIBIT

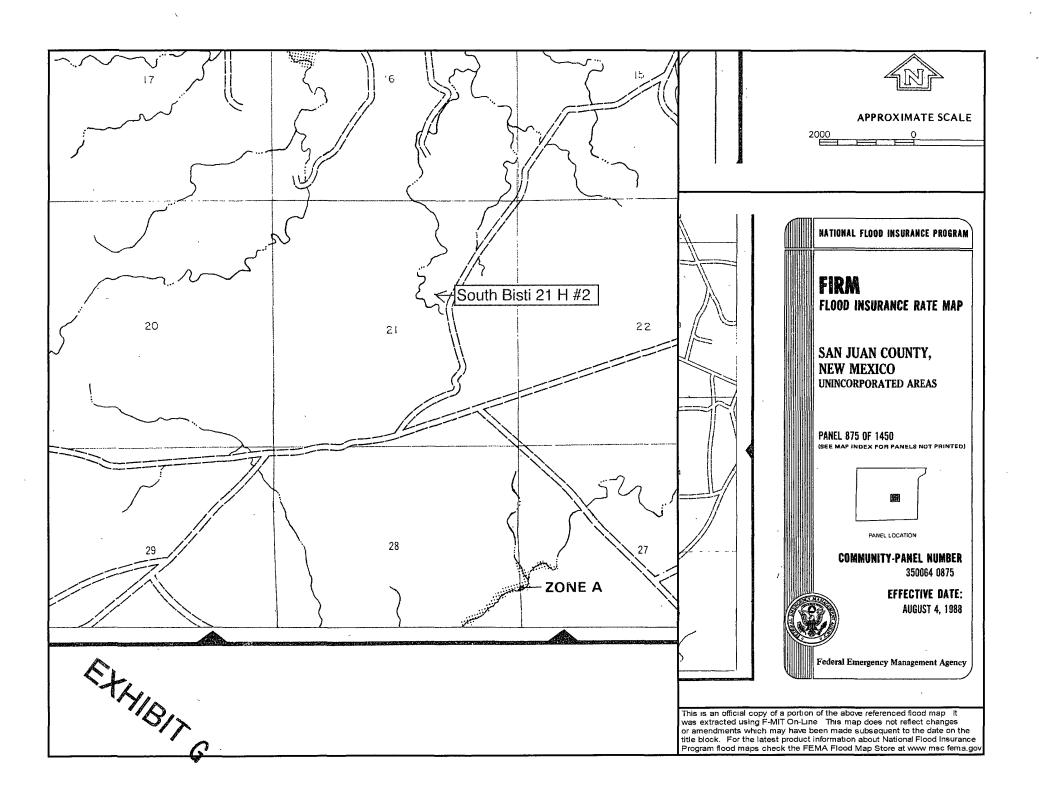


MMQonline Public Version



EXHIBITE

LATITUDE: 36.38850°N **ELM RIDGE EXPLORATION, LLC** LONGITUDE: 108.11440°W SOUTH BISTI GALLUP 21H #2 DATUM: NAD 83 1980' FNL & 1920' FEL LOCATED IN THE SW/4 NE/4 OF SECTION 21, T25N, R12W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO **GROUND ELEVATION: 6288', NAVD 88** 50' 25' 25' FINISHED PAD ELEVATION: 6288.4', NAVD 88 SCALE = 50 C-0.9 Ά' S 68°16'54" E PROPOSED PIPELINE LAYDOWN AND ACCESS WORKING SIDE 100 C-0.0 В -B'. C-2.2 F+0.3 C-1.3 3 560 LF OF NEW ACCESS ALONG PROPOSED PIPELINE AND EXISTING **BISTI GALLUP 21P #2 PIPELINE** Russell Surveying 1 FOOT CONTOUR INTERVAL SHOWN SCALE: 1" = 50" 1409 W. Aztec Blvd. #5 JOB No.: ERE004 Aztec, New Mexico 87410 DATE: 11/14/06; REV1 (505) 334-8637



DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

Submit to Appropriate District Office

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

1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

State Lease - 4 Copies Fee Lease - 3 Copies

2040 South Pacheco

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT

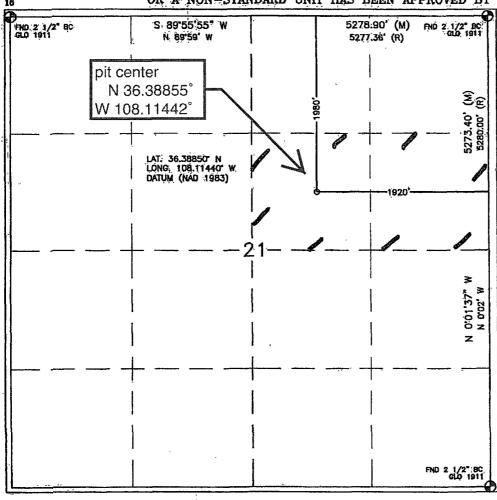
ROVO JANGIYO <u>or ones</u> jīv.

1 API Number 30-045-	4131:	*Pool Code 5890	BIST LOWER-GALLUP	GIL CONS DIST.				
Property Code	ŧ ,		*Property Name SOUTH BISTI **EAST 21H					
*0GRID No. 149052			Operator Name GE EXPLORATION, LLC	⁹ Elevation 6288				

¹⁰ Surface Location UL or lot no. Section Township Feet from the North/South line Lot Idn Range Feet from the East/West line County 21 25N 12W 1980 **NORTH** 1920' EAST SAN JUAN

¹¹ Bottom Hole. Location If Different From Surface UL or lot no. Section Township. Feet from the North/South line Feet from the East/West line County 12 Dedicated Acres Joint or Infill M Consolidation Code 16 Order No. 80

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



OPERATOR CERTIFICATION I havely carlify that the information contained berein is true and complete to the best of my knowledge and

Signature

BRIAN WOOD

Printed Name

CONSULTANT

DEC., 21, 2006

Date

Title

18 SURVEYOR CERTIFICATION

was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10201

EXHIBIT H

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

Subject: Elm Ridge South Bisti 21 H 2 closure notice

Date: November 29, 2008 5:06:41 PM MST
To: BILL LIESS <Bill_Liess@nm.blm.gov>



As required by NMOCD pit rule Subsection F of 19.15.17.13 NMAC, I am notifying BLM 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 1980 FNL 8, 1920 FEL 21-25p-12w.

The well is at 1980 FNL & 1920 FEL 21-25n-12w.

The well is on lease NMSF-078065.

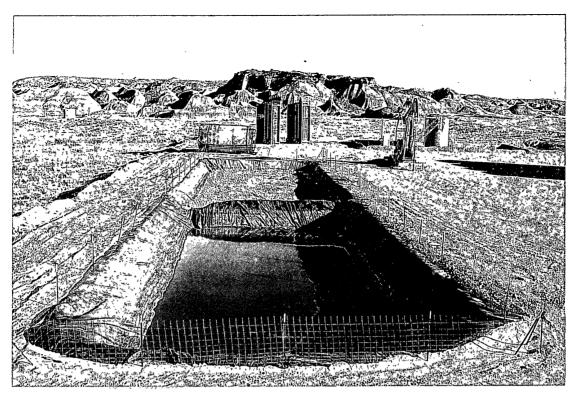
API # 30-045-34131

Please call me if you have any questions.

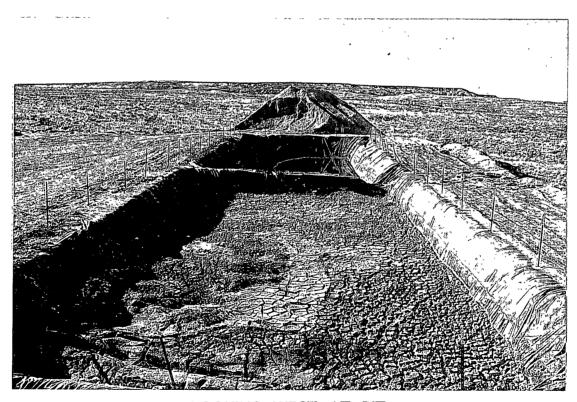
Brian Wood Permits West, Inc. 37 Verano Loop, Santa Fe, NM 87508 Phone: 505 466-8120

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





LOOKING EAST AT SOUTH BISTI 21 H #2 PIT



LOOKING WEST AT PIT

