Received by OCD: 3/16/2020 10:09:52 AM 1625 N. French Dr., Hobbs, NM 88240

District II 811 S. First St., 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 Page 1 of 23
Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	2RP-5333
Facility ID	
Application ID	

Release Notification

Responsible Party

			Ke	sponsible Pal	rty			
Responsible	Party: Bur	nett Oil Co., Inc.		OGRID	: 03080			
Contact Nar	ne: Johnny	Titsworth		Contact	Contact Telephone: (432) 425-2891			
Contact ema	ail: jtitswortl	h@burnettoil.com		Incident	t # (assigned by OCD)			
Contact mai	ling address	s: P.O. Box 188 I	Loco Hills, NM 8	38255				
Latitude 32.8	84317		Locatio	on of Release	Source e -103.94977			
			(NAD 83 in	decimal degrees to 5 de	cimal places)			
Site Name: (Gissler B 3-3	3 Tank Battery		Site Typ	e: Tank Battery			
Date Release	Discovered	1: 3/13/19		API# (if a	applicable)			
Unit Letter	Section	Township	Range	Co	unty			
M	11	17S	30E	Eddy Co.	diff			
	Materia	al(s) Released (Select a	all that apply and atta	nd Volume of	fic justification for the volumes provided below)			
Crude Oi	l	Volume Releas	ed (bbls): 5 BBL	S	Volume Recovered (bbls): 2 BBLS			
Produced	Water	Volume Releas	ed (bbls): 685 B	BLS	Volume Recovered (bbls): 503 BBLS			
		Is the concentrate produced water	ation of dissolved >10,000 mg/l?	d chloride in the	☐ Yes ☐ No			
Condensa	ite	Volume Release	ed (bbls)		Volume Recovered (bbls)			
Natural G	ias	Volume Release	ed (Mcf)		Volume Recovered (Mcf)			
Other (de	scribe)	Volume/Weigh	t Released (provi	ide units)	Volume/Weight Recovered (provide units)			
Cause of Rele	ease: Extre	mely high winds o	ause the water le	eg on the gun barrel	tank to break, releasing fluid into the bermed area.			

Incident ID	Page 2 of 2.
District RP	2RP-5333
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	1 spineation 12	
Was this a major	If VES for what reason(s) does the mean and it is	
release as defined by	If YES, for what reason(s) does the responsible party consider this a major release	:?
19.15.29.7(A) NMAC?	The release amount was over 200 BBLS of total fluid	
	or total lidit	
☐ Yes ☐ No		
ICVEC ' 1'		
Mike Bratcher 3/14/19 at	notice given to the OCD? By whom? To whom? When and by what means (phone, at 8:15 am vio phone.	email, etc)?
Jim Amos (BLM) 3/14/19		
CHITTHIOS (BEIT) ST 14/1	17 at 6.13 an via phone	
	Initial Response	
	•	
The responsible	le party must undertake the following actions immediately unless they could create a safety hazard that wor	ıld result in injury
The source of the rele	elease has been stopped.	
	has been secured to protect human health and the environment.	
Released materials ha	have been contained via the use of berms or dikes, absorbent pads, or other containme	nt devices.
All free liquids and re	recoverable materials have been removed and managed appropriately.	
If all the actions described	ped above have <u>not</u> been undertaken, explain why:	
	as as to have been undertaken, explain why.	
D 10.15.00.0 D (1).17.5		
Per 19.15.29.8 B. (4) NM	MAC the responsible party may commence remediation immediately after discovery	of a release. If remediation
within a lined containmen	h a narrative of actions to date. If remedial efforts have been successfully completed	d or if the release occurred
	ent area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for cl	
I hereby certify that the infor	formation given above is true and complete to the best of my knowledge and understand that pu	rsuant to OCD rules and
regulations all operators are a	re required to report and/or file certain release notifications and perform corrective actions for re	leases which may endanger
failed to adequately investiga	nment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability sigate and remediate contamination that pose a threat to groundwater, surface water, human health	should their operations have
addition, OCD acceptance of	of a C-141 report does not relieve the operator of responsibility for compliance with any other hands of the compliance with a compliance with any other hands of the compliance with any other hands of the compliance with a compliance	federal state or local laws
and/or regulations.	1	ederal, state, or local laws
Deine IN		
Printed Name: <u>Johnny</u>	ny Titsworth Title: HSE Coordinator	
Signature:	Date: 2/15/10	
Signature.	Date:3/15/19	
email: jtitsworth@burn	<u>urnettoil.com</u> Telephone:(432) 425-2891	
OCD Only		
OCD Only		
Received by:	Date:	
The officer of the of	Date:	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><300</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver- ontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	S.

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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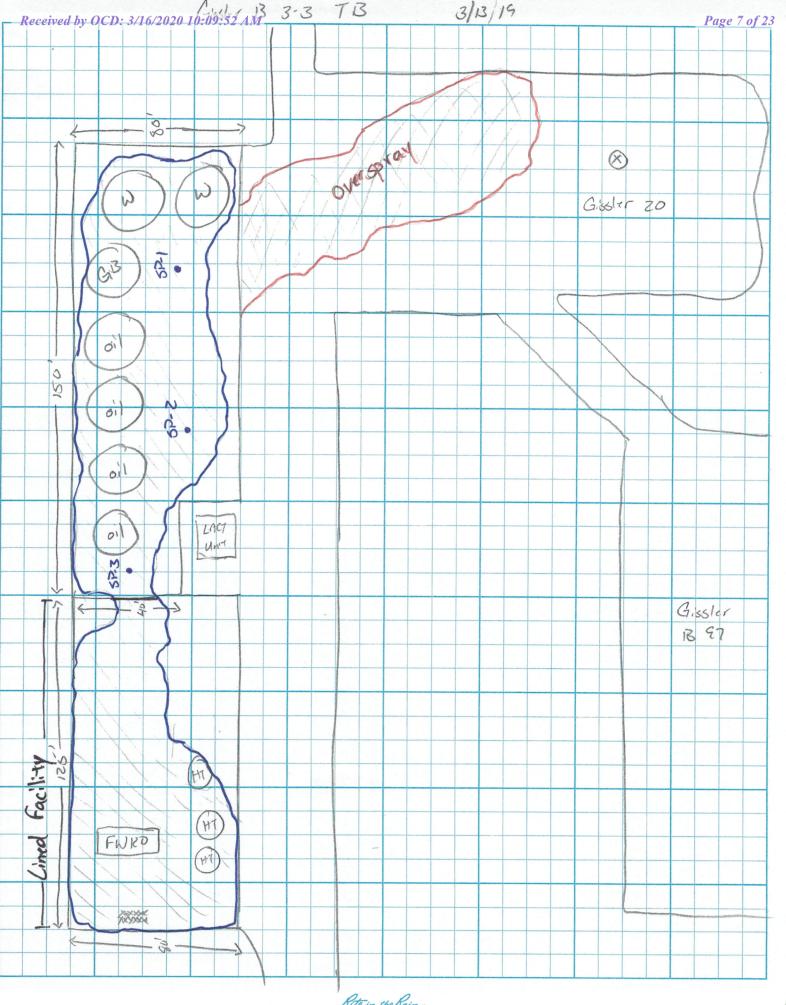
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: <u>Johnny Titsworth</u>	Title: <u>HSE Coordinator</u>	
Signature:	Date:9/16/19	
email: jtitsworth@burnettoil.com	Telephone: (432) 425-2891	
OCD Only		
Received by:	Date:	

Incident ID	Page 5 of 23
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Application ID	

Remediation Plan





Rite in the Rain.



February 10, 2020

Mike Bratcher

New Mexico Energy, Minerals & Natural Resources Oil Conservation Division,
Environmental Bureau - District 2

811 S. First St.

Artesia, NM 882L0

RE: Corrective Action Plan

Burnett Oil Co., Inc. - Gissler B 3-3 Tank Battery

UL/M sec. 11 T17S R30E

Mr. Bratcher:

The above location is approximately 2.5 miles Northeast of Loco Hills, New Mexico at UL/M sec.11 T17S R30E. The site is located in an area of no known groundwater.

In the evening of March 13, 2019, there was a release of 690 barrels of fluid, and we were able to recover approx. 505 barrels of fluid. The release had occurred when extremely high winds boke the 4" water leg line coming off the gun barrel tank. The BLM and the NMOCD were notified on March 14, 2019, and the C-141 was submitted on March 15, 2019.

Corrective Action Plan

On March 13, 2019 a vacuum truck was called out the BOCI Gissler B 3-3 Tank Battery. Approximately 505 barrels of fluid was picked up from inside the firewall surrounding the tanks, and from the lined area to the south which contains the vessels. On March 15, the overspray area on the lease road and pad to the East of the tank battery was scrapped up. The material was hauled to an accredited disposal site. On March 28, 2019 Aspen Grow LLC. was hired to collect samples within the release area surrounding the tanks. There were three sample locations: SP-1, SP-2, & SP-3. The area of SP-1 showed elevated levels down to 9'. The area of



February 10, 2020

SP-2 showed elevated levels down to 2'. The area of SP-3 showed elevated levels down to 6'. Atkins engineering was hired to delineate the are of SP-1 (BH-1) and was able to collect data showing clean soil at 35' below surface. The area of SP-3 was not delineated, there was not a safe access point. On October 15, 2015 BOCI reported a release of 550 bbls of fluid. This release was deferred until abandonment on January 28, 2016. Spill report shows that they recovered 540 bbls.

On January 3rd, Aspen Grow collected samples from Sample points 1-3 and additional sample points as requested. These sample points did show elevated levels needing remediation, predominately Chlorides outside of the facility. There were elevated levels of TPH within the berm area but we knew there would be from this event as well as the historical spill.

To remediate the impacted soil, Burnett Oil Co., Inc. has enlisted the services of Aspen Grow LLC. to apply Probiotic compounds to the impacted area. The probiotics will be applied with fresh water to the impacted area once a week for eight weeks. In that time the probiotics and the fresh water will be able to begin remediating the hydrocarbons in the impacted area. The process is a water and proprietary blend of probiotics that are sprayed over the entire footprint to a point of saturation. The area is resampled after 8 weeks and if necessary the process continues until all levels are within regulatory limits. We would like to treat this area in this method and understand that it could be for an extended period of time within the berm area to bring those levels in compliance but feel it is a better method treating it in place than it would be waiting for abandonment to remove and haul off all the material. We are still working on the issue of proving the lack of groundwater within a ½ mile radius in that our normal means of proving that do not appear to be sufficient. However because we fall under the BLM regulations we remediate to a higher standard as is. Only difference I see is the Chloride level once below 4ft.



February 10, 2020

Following the approval of this work plan, Burnett Oil Co., Inc. will begin remediating the release area down to Regulatory standards. At this time, BOCI request an extension of 180 days from submittal to perform in-situ remediation and closure of this release.

Please feel free to contact me with any questions concerning this plan request.

Sincerely,

Bryan Burns

575-706-5999



Table 1 - Analytical Results

Location:

Gissler B 3-3 TB

3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	Date
SP-2	SP-2	SP-2	SP-1	Sample ID								
2'-3'	1'-2'	0-1'	8'-9'	7'-8'	6'-7'	5'-6'	4'-5'	3'-4'	2'-3'	1'-2'	0-1'	Depth
770	1300	1500	4500	4400	3900	3,600	1,800	3500	4100	100	5100	Chloride
		35									322	TPH - GRO
		12000									7700	TPH - DRO
		12035									8022	TPH-Total
		ND									ND	Benzene
		ND			34						ND	Toluene
		ND									0.54	Ethylbenzene
		ND									1.3	Xylene
		ND									1.84	ВТЕХ



Table 1 - Analytical Results

Location:

Gissler B 3-3 TB

2

3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	3/28/2019	Date
SP-3	SP-3	SP-3	SP-3	SP-3	SP-2	Sample ID						
4'-5'	3'-4'	2'-3'	1'-2'	0-1'	9'-10'	8'-9'	7'-8'	6'-7'	5'-6'	4'-5'	3'-4'	Depth
3500	1200	7700	5200	3100	100	ND	ND	140	ND	230	180	Chloride
				99								TPH - GRO
				10000								TPH - DRO
				10099								TPH-Total
				0.16								Benzene
				1.6								Toluene
				0.75		1						Ethylbenzene
				1.6								Xylene
				4.11								ВТЕХ



Table 1 - Analytical Results

Location:

Gissler B 3-3 TB

Page:

ω

					3/28/2019	Date
					SP-3	Sample ID
					5'-6'	Depth
					3400	Chloride
						TPH - GRO
						TPH - DRO
						TPH-Total
						Benzene
						Toluene
						Ethylbenzene
						Xylene
						ВТЕХ



Table 1 - Analytical Results Gissler B 3-3 TB

Location:

Page:

		8/14/2019	8/14/2019	8/14/2019	8/14/2019	8/14/2019	8/14/2019	8/14/2019	Date
		BH -1	Sample ID						
		40'	35'	30'	20'	15'	10'	2	Depth
		ND	540	2300	3600	9500	6600	15,000	Chloride
									TPH - GRO
									TPH - GRO TPH - DRO TPH-Total
									TPH-Total
									Benzene
									Toluene
									Ethylbenzene
									Xylene
									ВТЕХ



BURNETT OIL CO., INC.

Table 1 - Analytical Results

Location:

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BURNETT OIL CO. INC

BURNETT OIL CO., INC.	Ö			Location:					Page:	
		Table	Table 1 - Analytical Results	lytical I	Results					
Date Sample ID	Depth	Chloride	TPH - GRO	TPH - GRO TPH - DRO	TPH-Total	Benzene	Toluene	Ethylbenzene	Xylene	(D
1/3/2020 SP3	0-1	1700	ND	394	394	ND	0.44	0.58	1.7	
	1-2	460	48	9400	9860					
	2-3	300	290	10700	10990					
	3-4	840	170	2210	2380					
	4-5	970	190	1820	2010					
1/3/2020 SP4	0-1	ND	ND	148	148	ND	ND .	ND	ND	
	1-2	ND 1								
	2-3	ND								
	3-4	62								
	4-5	72								
	5-6	100								



Location:

JRNETT	JRNETT OIL CO., INC.				Location:					Page:	88
			Table :	Table 1 - Analytical Results	lytical F	Results					
Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	TPH-Total	Benzene	Toluene	Ethylbenzene	Xylene	ВТЕХ
3/2020	SP7	0-1	4300	, ND	27	27	ND	ND	ND	ND	
		1-2	920								
		2-3	1300								
	SP8	0-1	240	ND	ND		ND	ND	ND	ND	
		1-2	830								
	SP9	0-1	160	ND	125	125	ND	ND	ND	ND	
		1-2	290								



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

No records found.

PLSS Search:

Section(s): 11

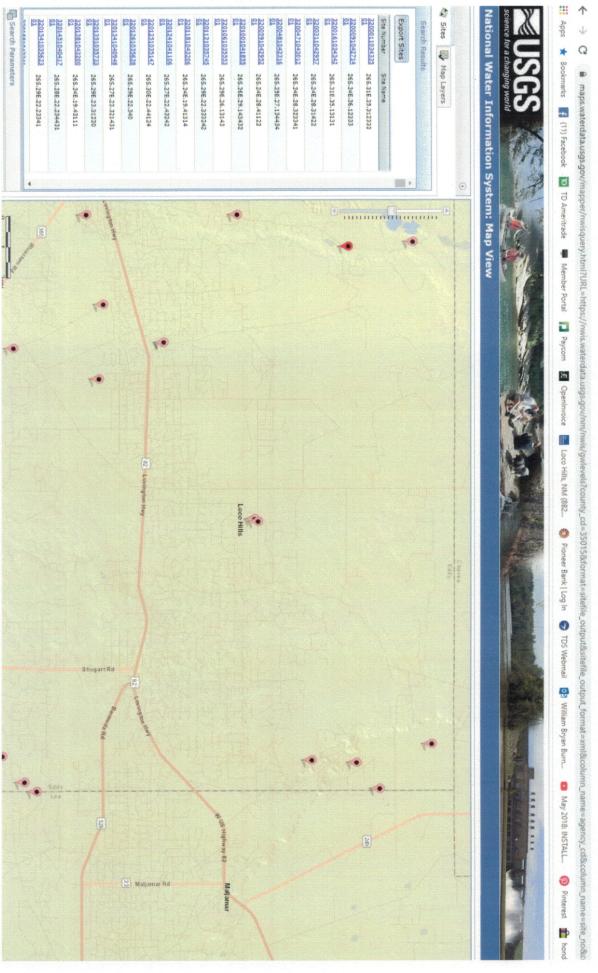
Township: 17S

Range: 30E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

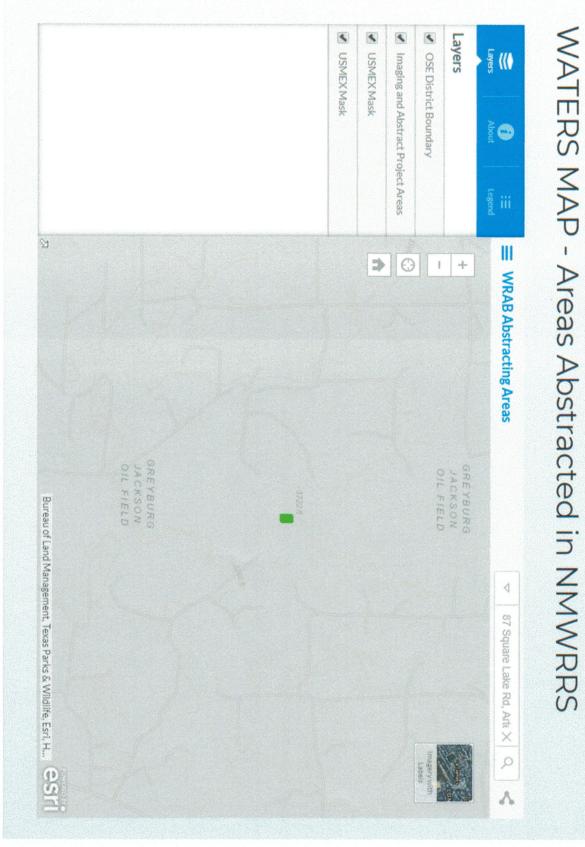
3/15/19 12:59 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

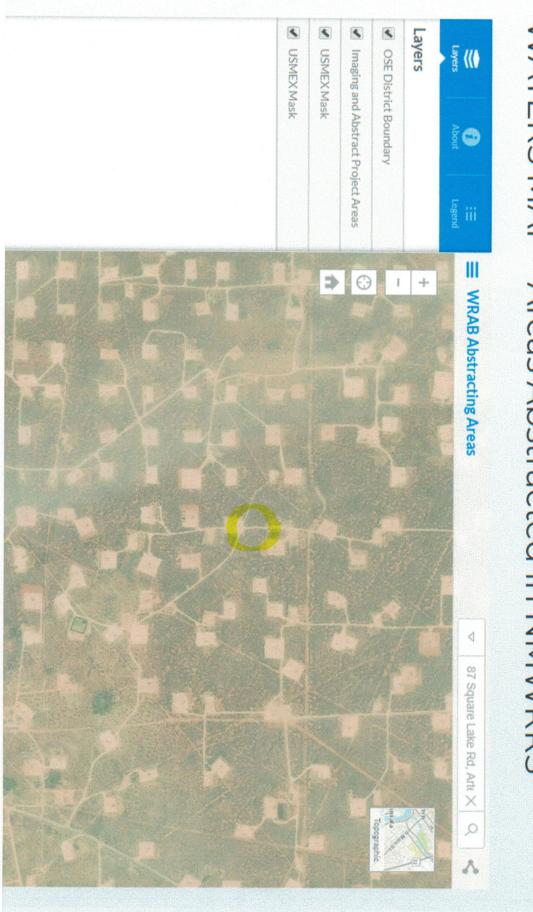


https://www.ose.state.nm.us/WRAB/abstractMap.php **NM State Engineers Office**

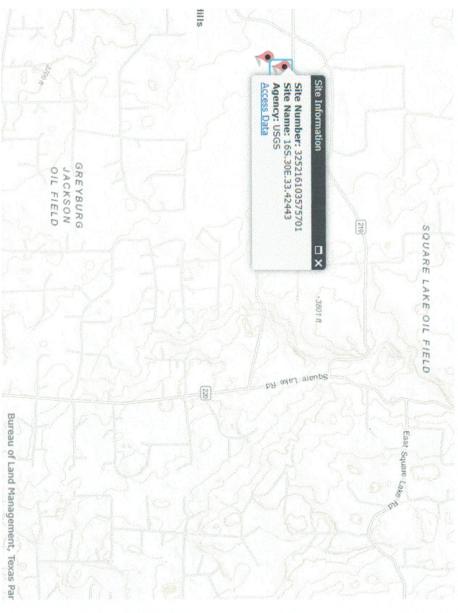
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WATERS MAP - Areas Abstracted in NMWRRS



NM State Engineers Office https://www.ose.state.nm.us/WRAB/abstractMap.php



Only two wells drilled by us in 1985/1986 depth of 385 ft. and 433 ft. into Local Aquifer "Sunrise Formation". USGS.Gov. However it doesn't look like either were productive.