

1R - 426-109

APPROVALS

YEAR(S):

2008

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Thursday, September 25, 2008 9:42 AM
To: 'Hack Conder'
Cc: Price, Wayne, EMNRD; 'Hall, Sharon'
Subject: RE: ROC BD F-25-1 and 2, NMOCD Case #s 1R426-108 and 1R426-109

Dear Mr. Conder:

The New Mexico Oil Conservation Division (NMOCD) has received the proposed amendments to the respective ICPs for the above reference sites. The NMOCD hereby conditionally approves the proposed amendments:

- 1) Rice Operating Company must advance the respective borings to a depth of 85 feet bgs.
- 2) Rice Operating Company must monitor the respective open borings for water at least 48 hours after the completion of the respective borings.

Please be advised that NMOCD approval of these amendments does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

From: Hall, Sharon [mailto:Sharon.Hall@arcadis-us.com]
Sent: Wednesday, September 24, 2008 2:37 PM
To: Hansen, Edward J., EMNRD
Subject: FW: ROC BD F-25-1 and 2, NMOCD Case #s 1R426-108 and 1R426-109

Ed,

Do we have your approval to drill one soil boring at each of these locations to a depth of 75 feet to document that there is no groundwater rather than to drill 5 soil boring and possibly convert one to a monitor well?

Regards,
Sharon

From: Hall, Sharon
Sent: Thursday, August 07, 2008 8:05 AM
To: Hansen, Edward J., EMNRD
Cc: Hack Conder
Subject: ROC BD F-25-1 and 2, NMOCD Case #s 1R426-108 and 1R426-109

Ed,

We discussed the procedure to document that there is no groundwater at a site. I have attached the State Engineer's Report for Township 21S, Range 37E, Sections 23,24,25,26,35, and 36. The subject sites are in section 25. You will see from the reports that 29 wells were drilled in these sections. Of the 29 wells only two report groundwater. Both are in Section 23 and the average depth to groundwater is 65 feet. Additionally, the landowner

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at the subject sites told ROC that he has drilled for groundwater and has been unsuccessful.

We have approved Investigation Characterization Plans (ICPS) at these sites. They were approved on 7/18/2007 and the approved scope was to drill 5 soil borings, possibly converting the source boring to a monitor well. We would like to request an amendment to the ICPs in light of the fact that groundwater likely does not occur at these sites. I propose that we drill one soil boring at each site to a depth of 75 feet, ten feet below the average water depth in Section 23.

Your approval of this request will be appreciated. Please let me know if I need to submit a letter of request or a revised ICP. Let me know if you have any questions or need additional information.

Regards,
Sharon

Sharon E. Hall PG, REM
Associate Vice President
ARCADIS G&M Inc
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Midland, Texas 79701
ph: 432 687-5400
fax: 432 687-5401

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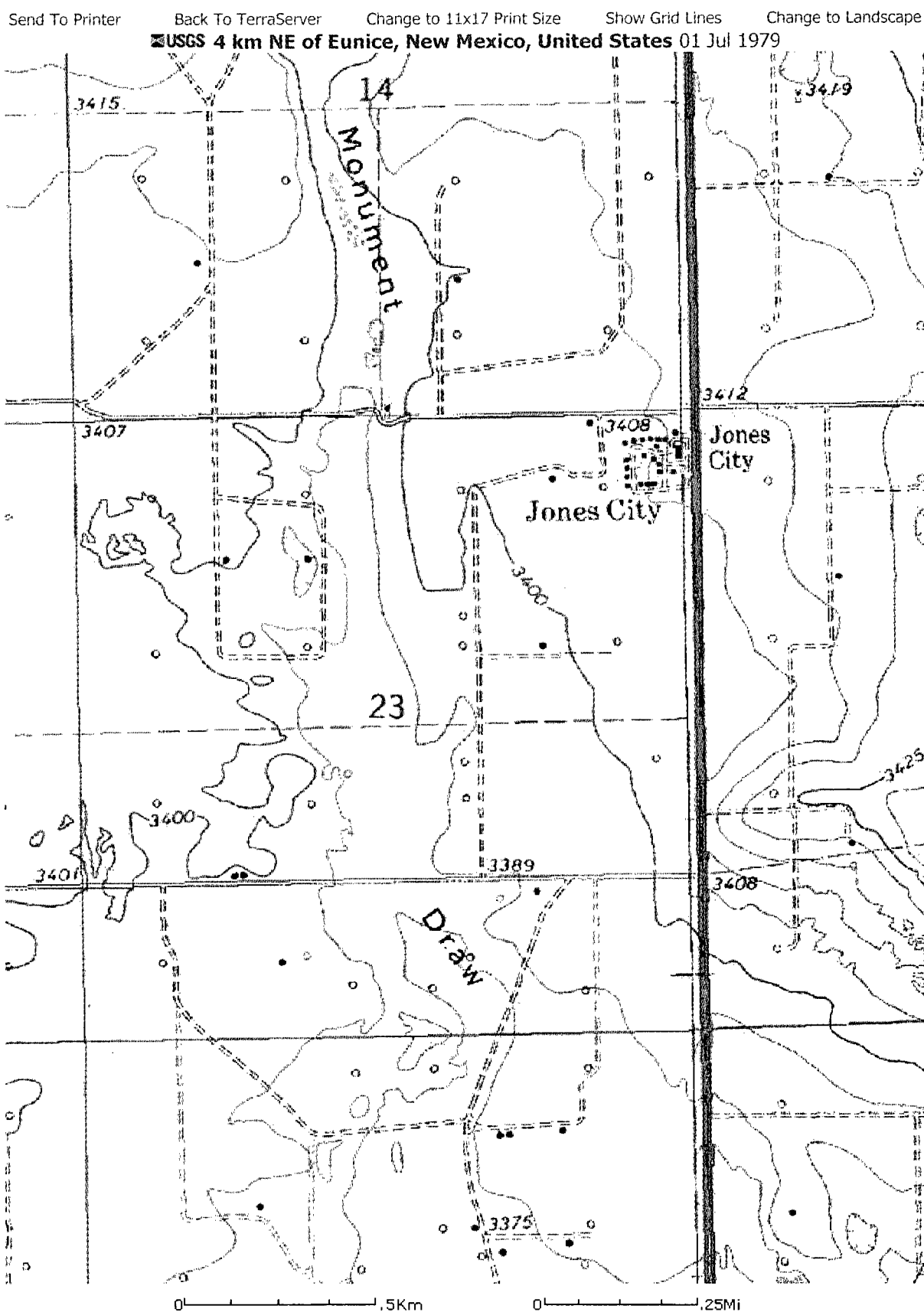


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USGS 4 km E of Eunice, New Mexico, United States 01 Jul 1979

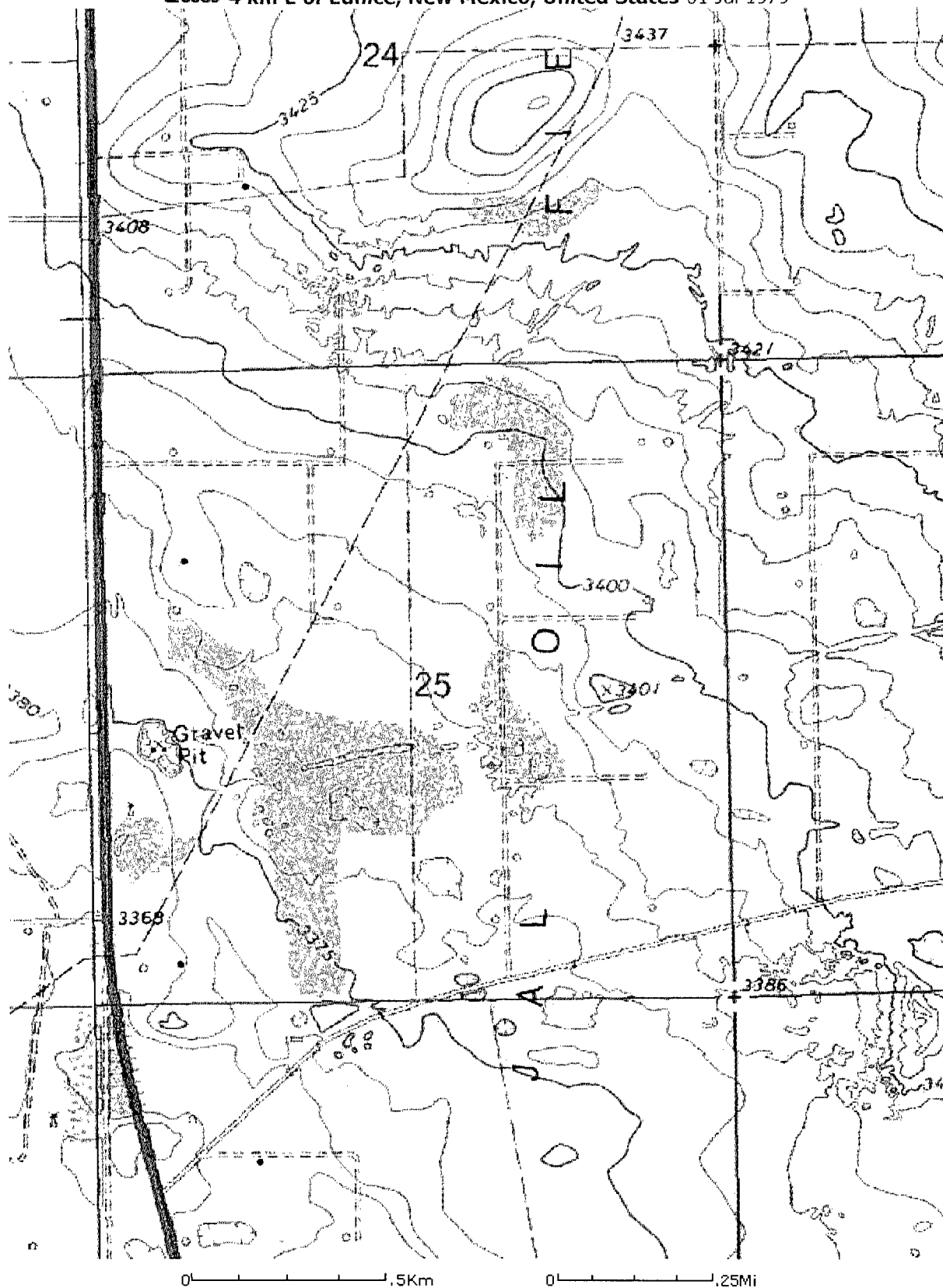


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New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 21S Range: 37E Sections: 23,24,25,26,35,36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

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AVERAGE DEPTH OF WATER REPORT 07/24/2008

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	21S	37E	23				2	65	65	65

Record Count: 2

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 21S Range: 37E Sections: 23,24,25,26,35,36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

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Clear Form

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WATER COLUMN REPORT 08/06/2008

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column	Water (in feet)
CP 00235	21S	37E	23	1	2	2				81			
CP 00241	21S	37E	23	1	2	4				76			
CP 00240	21S	37E	23	1	2	4				72			
CP 00700	21S	37E	23	2						75	65	10	
CP 00239	21S	37E	23	2	1	1				89			
CP 00236	21S	37E	23	2	1	3				83			
CP 00562	21S	37E	23	2	2	1				136	65	71	
CP 00014	21S	37E	23	2	3	1				84			
CP 00238	21S	37E	23	2	3	3				81			
CP 00224	21S	37E	23	3	3	4				96			
CP 00230	21S	37E	26	3	2	3				85			
CP 00227	21S	37E	26	4	3	2				85			
CP 00228	21S	37E	26	4	3	4				90			
CP 00226	21S	37E	26	4	4	1				80			
CP 00225	21S	37E	35	4	2	2				85			
CP 00223	21S	37E	35	4	2	3				110			

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CP 00229 21S 37E 35 4 3 4
CP 00914 EXPL 21S 37E 36 1 3 4

85
72

Record Count: 18

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

Township: 21S Range: 37E Sections: 23,24,25,26,35,36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☒ Domestic ☒ All

POD / Surface Data Report Avg Depth to Water Report Water Column Report

Clear Form IWATERS Menu Help

POD / SURFACE DATA REPORT 08/06/2008

DB File Nbr	Use	(acre ft per annum)	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	q	Zone	X	Y	UTM are i	UTM Zone
CP 00014	IND	75	VERSADO GAS PROCESSORS, LLC	CP 00014		21S	37E	23	2	3	1						13
CP 00111	DOM	0	W. J. MCCASLAND	CP 00111 DCL		21S	37E	36	3								13
CP 00133	DOM	0	HARIEN STEPHENS	CP 00133 DCL		21S	37E	35	4	2	2						13
CP 00134	STK	0	MARION STEPHENS	CP 00134 DCL		21S	37E	24	1	1	1						13
CP 00138	STK	0	MARION AND WILLIAM O STEPHENS	CP 00138 DCL		21S	37E	35	2	2	3						13
CP 00214	DOM	0	J. M. AND M. W. OWEN	CP 00214 DCL		21S	37E	35	4	1	2						13
CP 00220	DOM	0	M. W. OWENS	CP 00220 DCL		21S	37E	25	3	1	1						13
CP 00221	DOM	0	J. M. OWEN	CP 00221 DCL		21S	37E	35									13
CP 00222	IND	15	VERSADO GAS PROCESSORS, LLC	CP 00222		21S	37E	35	4	4	2						13
CP 00223	IND	69	VERSADO GAS PROCESSORS LLC	CP 00223	Shallow	21S	37E	35	4	2	3						13
CP 00224	IND	31	VERSADO GAS PROCESSORS, LLC	CP 00224		21S	37E	23	3	3	4						13
CP 00225	IND	32.38	VERSADO GAS PROCESSORS, LLC	CP 00225	Shallow	21S	37E	35	4	2	2						13
CP 00226	IND	48.39	VERSADO GAS PROCESSORS, LLC	CP 00226	Shallow	21S	37E	26	4	4	1						13
CP 00227	IND	32.26	VERSADO GAS PROCESSORS, LLC	CP 00227	Shallow	21S	37E	26	4	3	2						13
CP 00228	IND	24.2	VERSADO GAS PROCESSORS, LLC	CP 00228	Shallow	21S	37E	26	4	3	4						13
CP 00229	IND	19.36	VERSADO GAS PROCESSORS, LLC	CP 00229		21S	37E	35	4	3	4						13
CP 00230	IND	48.39	VERSADO GAS PROCESSORS, LLC	CP 00230	Shallow	21S	37E	26	3	2	3						13

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CP 00235	IND	61	VERSADO GAS PROCESSORS LLC	CP 00235	21S	37E 23	1 2 2	13
CP 00236	IND	40	VERSADO GAS PROCESSORS LLC	CP 00236	21S	37E 23	2 1 3	13
CP 00238	IND	40	VERSADO GAS PROCESSORS LLC	CP 00238	21S	37E 23	2 3 3	13
CP 00239	IND	25	VERSADO GAS PROCESSORS LLC	CP 00239	21S	37E 23	2 1 1	13
CP 00240	IND	34	VERSADO GAS PROCESSORS LLC	CP 00240	21S	37E 23	1 2 4	13
CP 00241	IND	11	VERSADO GAS PROCESSORS LLC	CP 00241	21S	37E 23	1 2 4	13
CP 00356	DOM	0	WILL J. MCCASLAND	CP 00356 EXP	21S	37E 36	3 3	13
CP 00405	STK	0	WILLIAM O. ET AL STEPHENS	CP 00405 EXP	21S	37E 35	2 2 1	13
CP 00562	STK	3	JIMMIE D. WEIR	CP 00562	21S	37E 23	2 2 1	13
CP 00686	DOM	0	ALBERT HERNANDZ	CP 00686 EXP	21S	37E 23	2 4 3	13
CP 00700	MUL	3	WAYNE R. WALKER	CP 00700	21S	37E 23	2	13
CP 00914	EXP	0	ROBERT WALLACH	CP 00914 EXPL	21S	37E 36	1 3 4	13

Record Count: 29