State of New Moxico       State of New Moxico         State of New Moxico       State of New Moxico <th></th> <th></th> <th></th>						
Difference in the second state is a second state second stat	District I State	of New Mexico	Eorm C-144			
Difference in the second state is a second state second stat	1625 N. French Dr., Hobbe, NN, 884401 H. M. Energy Miner	als and Natural Resources				
Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         District Personal Status         District Person Status         Dis			For drilling and modification foculities submit to			
Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         Dimension         District Personal Status         District Person Status         Dis	District III UII COI	appropriate NMOCD/District Office.				
	District IV 1220 Sc	$\frac{\text{rict IV}}{1220 \text{ South St. Francis Dr.}}$				
DiVISION       Pit or Below-Grade Tank Registration of Closure In pit or biolow-grade tank Concerts by Segretary plant? Yes Mol	1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa					
Is per to below-grade tank covered by a "seneral plan"? Yes No						
Dres of action:         Regramming of a pit or before-grade lask.         Clearer of a pit or before grade task.           Operator:         Yakis Regolegin:         Comming:         Status of a pit or before grade lask.         Clearer of a pit or before grade lask.           Address:         Dissupt of a pit or before grade lask.         Dissupt of a pit or before lask.         PECEIVED           County:         Clearer of a pit or before grade lask.         Dissupt of a pit or before grade lask.         PECEIVED           County:         Clearer of a pit or before lask.         Dissupt of a pit or before lask.         Dissupt of a pit or before lask.         PECEIVED           County:         Clearer of a pit or before lask.         Dissupt of a pit or before lask.         Dissupt of a pit or before lask.         PECEIVED           Under St. Dissupt of a pit or before lask.         Dissupt of a pit or before lask.         Dissupt of a pit or before lask.         PECEIVED           Liner type:         Synthetic [B Trichestas: 12 mil Cley []         Dissupt of a pit or before lask.         PECEIVED         Dosble-waited waited on a pit or before lask.         PECEIVED           Volume:         Cley pitting         Dosble-waited waited on a pit or before lask.         PECEIVED         PODE PARTEGRAM           Volume:         Cley pitting         Dosble-waited waited on a pit or before pit o						
Operator:       Yes:       Penalisian Corporation       Telephone:       05/24/400       enali address:       Integration         Address:       JOS Sauth 4**       Arrest:       Address:       JOS Sauth 4**       Free:       Address:       JOS Free:       JOS Free:       JOS Free:       Address:       JOS Free:       Address:       JOS Free:       JOS Free:       JOS Fr	Is pit or below-grade tar	k covered by a "general plan"				
Address 105 South 4" Street, Antapia, N.M. & 2010 Pacified well neares. Chicken Links 128 2010 Longitude: 103.72602 NAD: 1977 [3] 1983 ] DCT 2.5 2005 OCT 2.5 200	Iype of action: Registration of a pit	of below-grade tank Closure of a				
Address 105 South 4" Street, Antapia, N.M. & 2010 Pacified well neares. Chicken Links 128 2010 Longitude: 103.72602 NAD: 1977 [3] 1983 ] DCT 2.5 2005 OCT 2.5 200	Operator: Vates Petroleum Corporation Telephone: 505-748-4500 e-mai	il address: mikes@vncnm.com	Cran Charles			
Pacifity or well name_Chicken Little Stage Linti. 47 H # 200522240 UV. et or/or m. See 35 _ LSR_ 31E		······································				
County: Cheese Lettice 33 32020 Longitude: 103 73602 NAD: 1927 [5] 1983 0CT 2.5 2005 Surface Owner: Federal Charles State [5] Private [ Indian ]  Par Volume: Synthetic [ Indian ]  Par Volume: Cheese Indian [ Private [ Indian ]  Par Volume: Cheese Indian [ Private [ Indian ]  Par Volume: Cheese Indian [ Private [ Indian ]  Par Volume: Cheese Indian [ Private [ Indian ]  Par Volume: Cheese Indian Indian [ Private [ Indian ]  Par Volume: Cheese Indian Indian [ Private [ Indian ]  Par Volume: Cheese Indian India		or Otr/Otr M Sec 36 T 105 R				
Surface Owner: Federal Disposal       OCT 2.5 2005         EH       ODPARTTERIA         Year, Drilling & Production Disposal       Below scrafe task       ODPARTTERIA         Work over C Energency Disposal       Below scrafe task       ODDARTTERIA         Work over C Energency Disposal       Below scrafe task       ODDARTTERIA         Work over C Energency Disposal       Construction materiat:       RECEIVET)         Double-walked, with leak detection? Yes Diff not, coptain Water of Disposal       Construction materiat:       Coptaints XXXX         Depth to ground water.       Care than 30 feet       CODDPARTTERIA         Out ext star 200 feet from a private domestic water       Sofie or more       CODDPARTTERIA         Wellhead protection area: (Loss than 200 feet from a private domestic water       Yes       CODDPARTTERIA         No       No       No VI 1 8 2005       CODDPARTTERIA         Distance to surface water: (horizonnal distance to all wetlands, plays, tirrigation canals, ditches, and poermial act ophemenal watercourse.)       Distance to surface water. (horizonnal distance to all wetlands, plays, tirrigation canals, distance, and poermial watercourse.)       Conperimentation of the facility showing the pit's relationship to other equipment and tasks. (2) Indicate disposal location (check the onsite box If you are thermose)         If this is a pit cheaver; (1) Attach a diagram of the facility showing the pit's relatinthermose of bother equipment and tasks. (2)						
Bit       Description       Disposal       Disposal <thdisposal< th="">       Disposal</thdisposal<>		103.73609 NAD: 1927 🖾 1983 🛄				
	Surface Owner: Federal 📋 State 🖂 Private 📋 Indian 📋					
Work over       Emergency       Energy         Lined ©       Unlined ©       Double-walled, with lask detection? Yes [] If net, explain whice [] 19 2005         Depth to ground water.)       Construction material:	Pit	Below-grade tank	OCUMATESIA			
Work over       Emergency       Energy         Lined ©       Unlined ©       Double-walled, with lask detection? Yes [] If net, explain whice [] 19 2005         Depth to ground water.)       Construction material:	Type: Drilling 🛛 Production 🗌 Disposal 🗋	Volume:bbl Type	of fluid:			
Line type: Synthetic [3] Thickness 12 mil Clay Ph Volume 24.000 bal Double-walled, with leak detection? Yes If not, explain who and yes and y		Construction material:	RECEIVED			
Line type: Syntake by Inducts by Inducts by Inducts by Loginal and the second water (vertical distance from bottom of pit to seasonal high water clevation of ground water.)  Peth to ground water (vertical distance from bottom of pit to seasonal high water clevation of ground water.)  Wellhead protection area: (Less than 200 feet from a private domestic water sources.)  Wellhead protection area: (Less than 200 feet from a private domestic water sources.)  Distance to surface water: (horizontal distance to all wellands, plays, irrigation canals, ditches, and perennial and ephermeral watercourses.)  It this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box If you are burying in place) onsite G offsite I forfsite, name of facility y NA (3) Attach a general description of remedial action taken including remediation start dete and end date. (4) Groundwater user for all other water added if needed. After completion of solidifying bit material and Class H bulk cement or QL for first or equipment and tanks. (2) Indicate disposal location: (check the onsite box If you are burying in place) onsite G offsite I forfsite, name of facility y NA (3) Attach a general description of remedial action taken including remediation start dete and end date. (4) Groundwater encounteret: No I Ye I If yes, show depth below ground surfacef. and attach sample results. (5) Attach a diagram of ample locations and excavations. Additional Comments: Closure work plan for drilling pit. An encapsulation trench will be constructed and line with 12 mil synthetic liner neet to explain drilling pit. The drilling pit and diagram of 20 plays in tradication. (2) Attach a general addition of 30 filting material and class H bulk cement or QL. The englaged play in gripfial and diment will be excavated and emplaced into the encapsulation trench will be grade using a 20 milly might all and class H bulk cement or QL. The englaged p		Double-walled, with leak detection	? Yes 🗍 If not, explain why not.			
Pit Volume 24.000 bbl Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) Depth to ground water. Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) Depth to ground water. Depth to			DEC 1 9 2005			
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Depth or ground water (vertical distance from bottom of pit to seasonal high vater elevation of ground water.)       S0 feet or more, but less than 100 feet from a private domestic water how the protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)       S0 feet or more, but less than 100 feet from all other water sources.)       Ves       CODEANTTEST         Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)       Z0 feet or more, but less than 1000 feet from 31 other water sources.)       CODEANTTEST         Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)       Z0 feet or more, but less than 1000 feet from 31 other water sources.)       CODEANTTEST         Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)       Less than 200 feet 1000 f		Loss three 50 fact				
water elevation of ground water.)       100 feet or more       (20 points)       NOV 1 8 2005         Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)       Yes       (20 points)       (20 points)         Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, diches, and perennial and ephemeral watercourses.)       Less than 200 feet       (20 points)       (20 points)         1000 feet or more       20 feet or more       (20 points)       (20 points)       (20 points)         1000 feet or more       (20 points)       (20 points)       (20 points)       (20 points)         1000 feet or more       (20 points)       (20 points)       (20 points)       (20 points)         1000 feet or more       (30 Attach a general description of remedial action taken including tremediation start date and end date. (4)         Groundwater encountered: No [] Yes [] If yes, show depth below ground surface       (3) Attach a general description of remedial action taken including tremediation start date and end date. (4)         Groundwater encountered: No [] Yes [] If yes, show depth below ground surface       (3) Attach a general description of solidifying pit material and Class H bulk cement or childing drilling pit. An encapsulation trench will be constructed and line dwith 12 mil synthetic liner next to streng during the structure of solidifying pit material and Class H bulk cement or childing drilling pit. The drilling pit contents have estrin place for trim	Depth to ground water (vertical distance from bottom of pit to seasonal high		- court is			
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Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)       Less than 200 feet or more, but less than (200 feet or more))       (20 points)         If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location. (check the onsite box if you are burying in place) onsite S       0ffsite	Wallhard protection eres: (Less then 200 fast from a private demostic water	Yes	(20 points)			
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Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)       Less than 200 feet or more, but less than 200 feet or more, but less than 200 feet or more.       100 points         200 feet or more, but less than 200 feet or more.       200 feet or more, but less than 200 feet or more.       100 points       100 points         200 feet or more.       Ranking Score (Total Points)       20 points       20 points         201 feet or more.       Ranking Score (Total Points)       20 points       20 points         201 minute       If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite in figure onsite in figure on figure on figure on the stand a diagram of sample locations and excavations.       (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No is angle results and a diagram of sample locations and excavations.         Additional Comments: Closure work plan for drilling pit. An encapsulation trench will be constructed and emplaced into the encapsulation trench using a mixture of three to one pit material and Class H bulk cement or CM. The emplaying dist fort multiple of the fort minimum of 24 hour, the encapsulation trench will the be capped using a 20 mil synthetic liner and backfilled to grade using a minimum of 3' of like material and cleas soil. A one call mid 48 hour notification to OCD will be made before pit closure action begins. Beginning pit closure date: N/A. Ending pit closure date: N/A       Diff	source, or less than 1000 feet from all other water sources.)	5				
irrigation canals, ditches, and perennial and ephemeral watercourses.)       200 feet or more, but less than (000 feet 0, 000 points)       (10 points)         1000 feet or more       000 feet or more       000 feet or more       00 points)         1000 feet or more       000 feet or more       00 points)         1000 feet or more       000 feet or more       00 points)         11 this is a pit closure;       (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite I offsite, name of facility NA       (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No I Yes I if yes, show depth below ground surface fit. and attach sample results.         (3) Attach soil sample results and a diagram of sample locations and excavations.       (4) 516 17 18 2         Additional Comments: Closure work plan for drilling pit. An encapsulation trench will be constructed and lined with 12 mil synthetic liner next to explore drilling pit. The drilling pit contents will be mixed using a track hoe and water added if needed. After completion of solidifying pit material and Class H bulk cement or Ch: The emulgion dopit material and class H bulk cement or Ch: The emulgion dopit material and class in trench will then be capped using a 20 mil synthetic liner and backfilled to grade using a minimum of 3' of like material and clear soil. A one call and 48 hour notification to OCD will be made before pit closure atter on begins. Beginning pit closure date: N/A         I hereby certify that the information above is true	Distance to surface water: (horizontal distance to all wetlands playas	Less than 200 reet				
1000 feet or more       (1) pursts) XXXX         Ranking Score (Total Points)       20 points         If this is a pit closure:       (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite of fistic   If offsite, name of facility		200 feet or more, but less than 100	0 feet (10 points)			
Ranking Score (Total Points)       20 points         21 (1) Atach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite of offsite   If offsite, name of facility NA	inigation canais, uteries, and percinital and epitemetal watercourses.)	1000 feet or more	( 0 points) XXXX			
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in place) onsite in formation show depth below ground surface		Ranking Score (Total Fonds)	22/19/94/- 20 points			
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(5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: Closure work plan for drilling pit. An encapsulation trench will be constructed and lined with 12 mil synthetic liner next to ensume drilling pit. The drilling pit contents will be excavated and emplaced into the encapsulation trench using a mixture of three to one pit material and Class H bulk cement or Ch: The emulsion of pit material and cement will be mixed using a track hoe and water added if needed. After completion of solidifying pit material in cement and pit contents have set in place for a minimum of 24 hours, the encapsulation trench will then be capped using a 20 mil synthetic liner and backfilled to grade using a minimum of 3' of like material and clean soil. A one call and 48 hour notification to OCD will be made before pit closure action begins. Beginning pit closure date: N/A. Ending pit closure date: N/A I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [], or an (attached) alternative OCD-approved plan []. Date: <u>09/28/2005</u> Printed Name/Title _Mike Stubblefield / Regulatory Agent Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.						
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cement will be mixed using a track hoe and water added if needed. After completion of solidifying pit material in cement and pit contents have set in place for a minimum of 24 hours, the encapsulation trench will then be capped using a 20 mil synthetic liner and backfilled to grade using a minimum of 3' of like material and clean soil. A one call and 48 hour notification to OCD will be made before pit closure action begins. Beginning pit closure date: N/A. Ending pit closure date: N/A  I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [2], or an (attached) alternative OCD-approved plan [].  Date: <u>09/28/2005</u> Printed Name/TitleMike Stubblefield / Regulatory Agent	Additional Comments: Closure work plan for drilling pit. An encapsulation tre	nch will be constructed and lined with	12 mil synthetic liner next to existing drilling pit. The drilling pit			
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OCD will be made before pit closure action begins. Beginning pit closure date: N/A. Ending pit closure date: N/A       Image: N/A         I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [], or an (attached) alternative OCD-approved plan [].         Date: 09/28/2005						
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Approval: Printed Name/Title Mike Scutcher Mist II Signature Mike Screener Date: 11/22/05	· · · · · · · · · · · · · · · · · · ·	<u> </u>				
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Water Resources

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

Agency code = usgs site\_no list = • 332433103444901

Save file of selected sites to local disk for future upload

### USGS 332433103444901 10S.31E.35.121131

Chaves County, New Mexico

Latitude 33°24'33", Longitude 103°44'49" NAD27

Land-surface elevation

4,385.40 feet above sea level NGVD29 The depth of the well is 119 feet below land

surface.

This well is completed in the OGALLALA FORMATION (1210GLL) local aquifer.

Date	Time	Water level, feet below land surface	II Status	Date	Time	Water level, feet below land surface	⊠ Status
1957-06-10		53.00		1969-11-06		45.76	R
1961-03-06		71.30	P	1971-04-02		46.20	R
1961-04-14		47.02	R	1976-04-20		45.83	
1966-03-24		48.17	R	1981-02-11		44.45	
				1986-02-25		44.31	
				1996-02-06	]	44.87	

Questions about data <u>New Mexico NWISWeb Data Inquiries</u> Feedback on this website<u>New Mexico NWISWeb Maintainer</u> Ground water for New Mexico: Water Levels http://waterdata.usgs.gov/nm/nwis/gwlevels?

Retrieved on 2005-09-28 13:37:18 EDT <u>Department of the Interior</u>, U.S. Geological Survey <u>USGS Water Resources of New Mexico</u> <u>Privacy Statement || Disclaimer || Accessibility || FOIA</u> 1.12 1.12 nadww01 OCT 2.5 2005

Top

Explanation of terms

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## Output formats

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Table of data\_\_\_\_\_

Tab-separated data

Data Category:

Ground Water

Graph of data

Reselect period

http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site\_no=332433103444901&agency\_cd... 9/28/2005





## YATES PETROLEUM CORPORATION

Reserve Pit Solidification Procedure

1. Diagram of deep burial trench(s) is provided with application for closure (form C-144)





Reserve pit 150' x 150'

### 2. Solidification of Cuttings:

- (A) The cuttings will be mixed with a track hoe. Contents will be lifted and dropped so as to create a stirring process. This process will continue until CKD and pit contents are thoroughly bonded.
- (B) The solidification material will be Cement Kiln Dust (CKD).
- (C) CKD to pit contents ratio will be 1 yard of pit contents to 240 lbs. of CKD or 1,000 cubic yards of pit contents to 120 tons of CKD. Pit contents will be measure to determine actual volume (length x width x depth /27). CKD is weighed and delivered to the site in 40,000 lb increments.

A 1,200 cubic yard work pit is constructed inside the original reserve pit beside the encapsulation/solidification trench. One thousand cubic yards of pit contents will be placed in the work trench along with six 20 ton loads of CKD to begin the mixing process.

- (D) Fresh water may be introduced to initiate the bonding process of CKD and pit contents.
- (E) In order to assure proper mixing, all CKD is precisely weighed before delivery and pit construction is measured to a predetermined need depending on exact volume of pit contents.
- 3. A minimum of three representative samples will be taken from pit contents prior to any work. These samples will be stored in closed containers.

- 4. Each stage being mixed will be sampled prior to transferring the slurry to the deep trench as follows:
  - (A) One sample of the slurry will be taken at the beginning of the transference and stored in a <u>closed</u> container.
  - (B) One sample of the slurry will be taken at the beginning of the transference and stored in an <u>open</u> container.
  - (C) One sample of the slurry will be taken at the end of the transference and stored in a <u>closed</u> container.
  - (D) One sample of the slurry will be taken at the end of the transference and stored in an <u>open</u> container.
- 5. All samples will be stored in environmentally approved containers.
- 6. All samples and associated paperwork will be delivered to the OCD office within 3 working days of closure.



