

Ocean Munds-Dry omundsdry@hollandhart.com

June 2, 2009

## VIA HAND DELIVERYImage: Second stateImage: Second stateMark E. Fesmire, P.E.DirectorNDirectorNNOil Conservation DivisionNew Mexico Department of Energy,<br/>Minerals and Natural ResourcesN1220 South Saint Francis Drive<br/>Santa Fe, New Mexico 87505Cuse14339Image: Second state

## Re: Application of OGX Resources, LLC for approval of a salt water disposal well, Eddy County, New Mexico.

Dear Mr. Fesmire:

. K.

Enclosed is the application (Oil Conservation Division Form C-108) of OGX Resources, LLC in the above-referenced case as well as a copy of a legal advertisement. By copy of this letter, an additional copy of this Form C-108 is being transmitted to the Oil Conservation Division District Office in Artesia.

OGX requests that this matter be placed on the docket for the July 9, 2009 Examiner Hearings. Notice of this hearing has been sent to affected parties as required by Division rules.

Very truly yours, William F. Carr

Ocean Munds-Dry Attorneys for OGX Resources, LLC

Enclosures

cc: Oil Conservation Division, District II Gary Lang, OGX Resources

## Holland & Hart LLP

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Denver Aspen Boulder Colorado Springs Denver Tech Center Billings Boise Cheyenne Jackson Hole Las Vegas Salt Lake City Santa Fe Washington, D.C. 3

CASE  $\underline{(433)}^{12}$ : Application of OGX Resources, LLC for approval of a salt water disposal well, Eddy County, New Mexico. Applicant, OGX Resources, LLC, PO Box 953, Midland, Texas 79702, seeks approval to re-enter the Latham Federal Well No. 1 (API No. 30-015-22752) located 1980 feet from the South line and 1800 feet from the East line (Unit J) of Section 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico to dispose of produced water. Applicant proposes to inject into the Delaware formation at an approximate depth of 3306 feet to 4600 feet. The average and maximum injection rates will be 2000 and 4000 barrels of water per day and the average and maximum surface injection pressure is anticipated to be 661 psi and 1050 psi. Additional information may be obtained by contacting Ann Ritchie, OGX Resources, LLC at (432) 684-6381. Said well is located 14 miles southeast of Lovington, New Mexico.

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Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attention: Mr. Mark E. Fesmire, Director

Re: Form C-108 OGX Resources, LLC Latham Federal Well No. 1 API No. 30-015-22752 1980' FSL & 1800' FEL, Unit J Section 15, T-25S, R-29E, NMPM, Eddy County, New Mexico

Dear Mr. Fesmire,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the OGX Resources, LLC Latham Federal Well No. 1. This well was originally drilled by Mobil Oil Corporation in November, 1978 to test the Delaware formation. The well encountered no Delaware production and was subsequently plugged by Mobil Oil Corporation in January, 1979. OGX Resources, LLC proposes to utilize the well for disposal of produced water from the Bone Spring and Delaware formations originating from OGX Resources, LLC owned wells in this area. Injection is proposed to occur into the Bell Canyon and Cherry Canyon members of the Delaware formation through the perforated interval from 3,306'-4,600'. There is offset Delaware production in Unit P of Section 15 and Unit K of Section 14; however, these wells are producing from a deeper Delaware horizon (5,215'-5,280'), and both wells are marginally productive. The proposed injection interval in the Latham Federal No. 1 is non-productive in this area, and injection into this interval will have no adverse affect on any offset Delaware production. Approval of the application will prevent the drilling unnecessary wells and will not cause waste.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (432) 684-6381.

Sincerely,

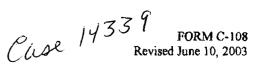
Ann Ritchie Regulatory Agent

Xc: OCD-Artesia

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL **RESOURCES DEPARTMENT** 

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**Oil Conservation Division** 1220 South St. Francis Dr. Santa Fe, New Mexico 87505



	APPLICATION FOR AUTHORIZATION TO INJECT
1.	PURPOSE:       Secondary Recovery       Pressure Maintenance       X       Disposal       Storage         Application qualifies for administrative approval?       X       Yes       No
II,	OPERATOR: OGX Resources, LLC (OGRID-217955)
	ADDRESS:
	CONTACT PARTY: Ann Ritchie, Regulatory Agent PHONE: (432) 684-6381
Ш.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
•XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: <u>Ann</u>	Ritchie al	TITLE: Regulatory Agent
SIGNATURE:	Min. Jakhy	DATE: 227-09

E-MAIL ADDRESS: ann.wtor@gmail.com If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: ٠

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

## III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

## XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South
- St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## Side 2

## C-108 Application OGX Resources, LLC Latham Federal Well No. 1 API No. 30-015-22752 1980' FSL & 1800' FEL (Unit J) Section 15, T-25S, R-29E, NMPM Eddy County, New Mexico

- I. The purpose of the application is to request approval to convert the Latham Federal Well No. 1 to a produced water disposal well in the Bell Canyon and Cherry Canyon members of the Delaware formation.
- II. OGX Resources, LLC c/o P.O. Box 953 Midland, Texas 79702 Contact Party: Ms. Ann Ritchie, Regulatory Agent
- III. Injection well data sheet is attached. In addition, wellbore schematic diagrams are attached showing the current and proposed wellbore configurations.
- IV. This is not an expansion of an existing project.
- V. A map showing all wells/leases within a ½ mile and 2-mile radius of the Latham Federal Well No. 1 is attached.
- VI. Area of review well data is attached. As shown in the table, there is only one well within the area of review of the Latham Federal Well No. 1. The Latham Federal Well No. 2, which is located in Unit P of Section 15, is currently producing from the Delaware formation through the perforated interval from 5,223'-5,280. This well is adequately cased and cemented to as to preclude the migration of injected fluid from the proposed injection interval.
- VII. 1. The average injection rate is anticipated to be approximately 2,000 BWPD. The maximum rate will be approximately 5,000 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
  - 2. This will be a closed system.

3. The injection pressure will initially be in conformance with the Division assigned gradient of 0.2 psi/ft. or 661 psi. If a higher injection pressure is necessary, OGX Resources, LLC will conduct a step rate injection test to determine the fracture pressure of the injection interval.

4. Produced water from the Delaware and Bone Spring formations originating from wells/leases that OGX Resources, LLC operates in this area will be injected into the subject well. Representative Delaware and Bone OGX Resources, LLC Form C-108 (Application for Authorization to Inject) Latham Federal Well No. 1 Page 2

Spring formation water analysis are attached for your review. No compatibility problems are anticipated.

5. Injection is to occur into the Bell Canyon and Cherry Canyon members of the Delaware formation. There is offset Delaware production in Unit P of Section 15 and Unit K of Section 14; however, these wells are producing from a deeper Delaware horizon (5,215'-5,280'), and both wells are marginally productive. The proposed injection interval in the Latham Federal Well No. 1 is non-productive in this area, and injection into this interval will have no adverse affect on any offset Delaware production.

VIII. The Delaware Mountain Group, which is Guadalupian Age, consists of the Bell Canyon, Cherry Canyon and Brushy Canyon members. The top of the Bell Canyon interval in this well occurs at a depth of 3,134' and is approximately 1,050 feet thick. The Bell Canyon interval is composed of fine-grained thin-bedded sandstones with a number of limestone beds. The top of the Cherry Canyon interval in this well occurs at a depth of 4,184' The Cherry Canyon interval is composed of sandstones with some thin dark gray limestone beds.

According to data obtained from the New Mexico Office of the State Engineer, there is a fresh water well located within the NE/4 SW/4 of Section 15, T-25S, R-29E. This well is 200' deep and water is present in the wellbore at 60'. Prior to commencing injection operations into the Latham Federal No. 1, OGX Resources, LLC will provide a water analysis from this well to the Division.

- IX. No stimulation is planned.
- X. Logs were filed at the time of drilling.
- XI. Water analysis will be provided to the Division prior to commencing injection operations into the Latham Federal No. 1.
- XII. Affirmative statement is attached.
- XIII. Proof of Notice is attached.

# **INJECTION WELL DATA SHEET**

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OGX Resources, LLC **OPERATOR:** 

25 South Latham Federal No. 1 (API No. 30-015-22752) WELL NAME & NUMBER:

TOWNSHIP SECTION 15 UNIT LETTER FOOTAGE LOCATION 1980' FSL & 1800' FEL WELL LOCATION:

RANGE

29 East

## WELLBORE SCHEMATIC

See Attached Wellbore Schematic

Casing Size: 10 3/4" (@ 353' 14 34" Hole Size:

WELL CONSTRUCTION DATA

Surface Casing

Method Determined: Circulated Ъ, 5 Surface 325 Sx. Cemented with: Top of Cement:

Intermediate Casing

Method Determined: Circulated H3 Casing Size: 7" @ 3,123' 힉 Surface 1325 Sx. 9 5/8" Cemented with: Top of Cement: Hole Size:

Production Casing (To Be Set)

Method Determined: Circulate Ъ, Casing Size: 4 1/2" @ 5,300' P Cement with: volume to circulate Sufficient cmt. Top of Cement: Surface 6 1/2" Hole Size:

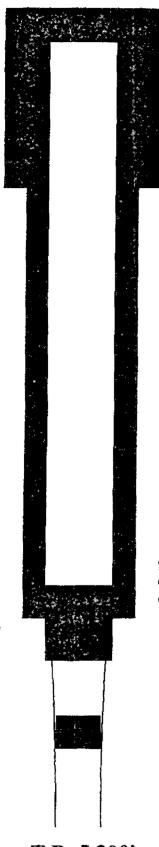
5,300' Total Depth:

Bell Canyon & Cherry Canyon intervals Perforated Interval -3,306'-4,600' Injection Interval

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## **Current Wellbore Configuration**



15 Sx. @ Surface

## OGX Resources, LLC

Latham Federal Well No. 1 API No. 30-015-22752 1980' FSL & 1800' FEL (Unit J) Section 15, T-25 South, R-29 East, NMPM Eddy County, New Mexico

Date Drilled: November, 1978

14 <sup>1</sup>/<sub>4</sub>" Hole; Set 10 <sup>1</sup>/<sub>4</sub>" 30# Csg. @ 353' Cemented w/ 325 Sx. Class C. Cement circulated to surface.

> Well was drilled in November, 1978 to test the Bell Canyon and Cherry Canyon members of the Delaware formation. The well encountered no commercial Delaware production and was subsequently plugged and abandoned in January, 1979.

> > Formation Tops (Well File)

Salado-780' Castile-1,598' Lamar-3,106' Bell Canyon-3,134' Cherry Canyon-4,184'

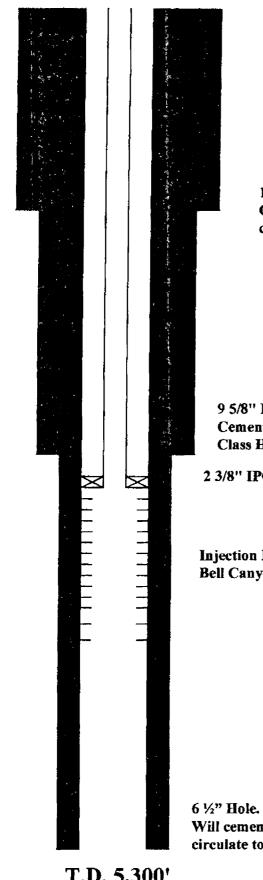
9 5/8" Hole; Set 7" 20# H-40 Csg. @ 3,123' Cemented w/1125 Sx. Howco Lite + 200 Sx. Class H. Cement Circulated to surface.

Set 50 Sx. cmt. @ 3,000'-3,320'

Set 35 Sx. cmt. @ 4,200'-4,396'

T.D. 5,300'

## **Proposed Wellbore Configuration**



**OGX Resources, LLC** Latham Federal Well No. 1 API No. 30-015-22752 1980' FSL & 1800' FEL (Unit J) Section 15, T-25 South, R-29 East, NMPM Eddy County, New Mexico

14 ¼" Hole; Set 10 ¼" 30# Csg. @ 353' Cemented w/ 325 Sx. Class C, Cement circulated to surface.

Formation Tops (Well File)

Salado-780' Castile-1,598' Lamar-3,106' Bell Canyon-3,134' Cherry Canyon-4,184'

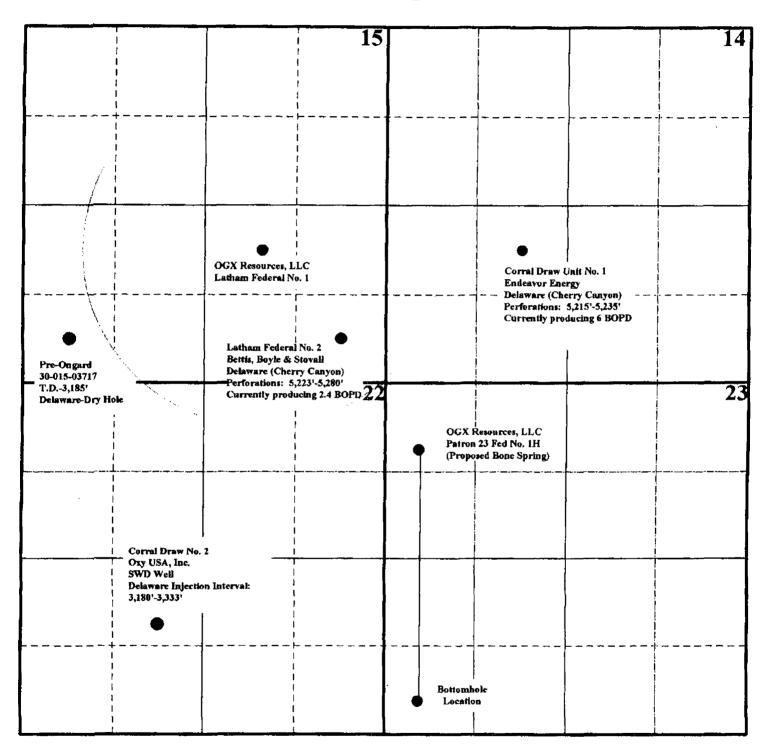
9 5/8" Hole; Set 7" 20 # H-40 Csg. @ 3,123'. Cemented w/1125 Sx. Howco Lite + 200 Sx. Class H. Cement circulated to surface.

2 3/8" IPC Tubing set in a packer @ 3,250'

Injection Perforations: 3,306'-4,600' Bell Canyon & Cherry Canyon

6 1/2" Hole. Propose to set 4 1/2" Csg. @ 5,300'. Will cement with sufficient cement volume to circulate to surface.

T.D. 5,300'



## Township 25 South, Range 29 East, NMPM

OGX Resources, LLC Latham Federal Well No. 1 Form C-108: ½ Mile Area of Review Map

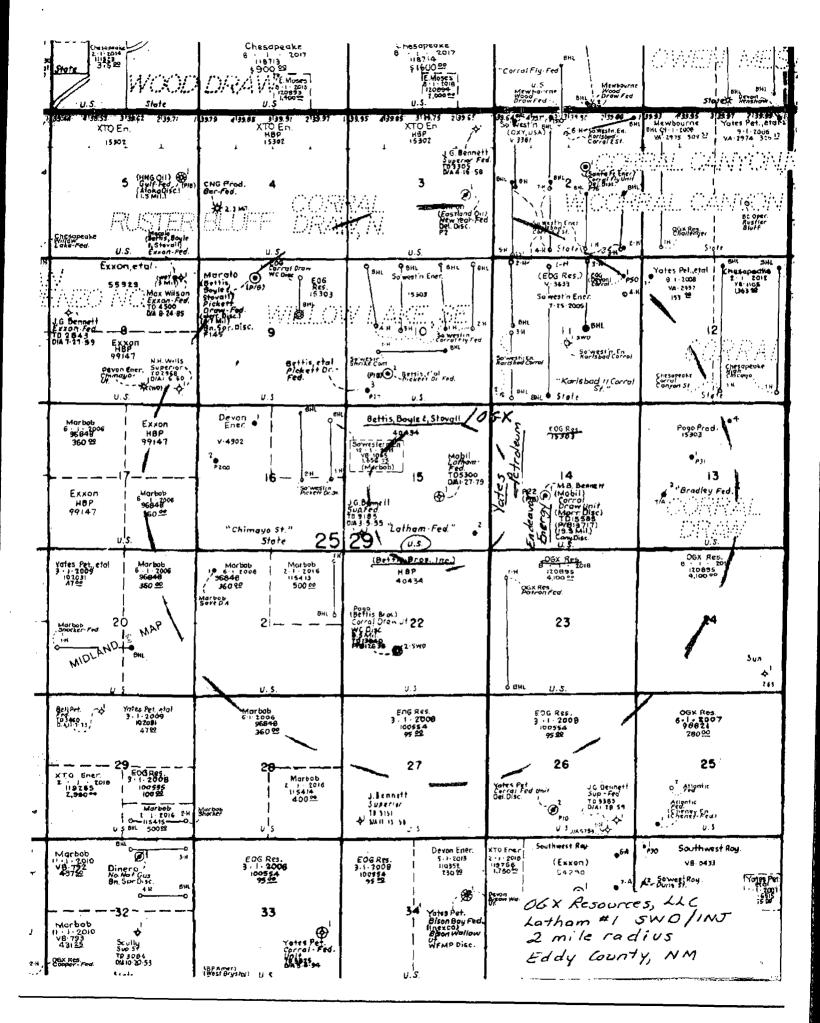
# AREA OF REVIEW WELL DATA-OGX RESOURCES, LLC-LATHAM FEDERAL NO. 1

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OPERATOR		30-015-24731 Bettis, Boyle & Stovell																										
API NUMBER		30-016-24731																										



Mr. Jeff Birkenbacb         209-122           Box [1145, Midland, TX 79702         BAMPLE RECEIVED         2-9-09           PEUD OR POOL         Status         As listed           SECTION         BLOCK         SURVEY         COUNTY           SOURCE OF BAMPLE AND DATE TAKEN:         NO. 1         Repaido           NO. 1         Repaido         NO. 4           REMARKS:         COUPY         STATE           Chebric Or Bample         NO. 4         NO. 4           REMARKS:         CHEMICAL AND PHYSICAL PROPERTIES           Secting Oreity as 0° F.         J.1040         1.1240           J.1040         1.1240         J.1090           pri Ware Reenvet         6.88         6.79           Buretanzion as CAO,         1.098         78.1           Pri Ware Reenvet         6.88         6.79           Buretanzion as CAO,         1.098         78.1           Buretanzion as CAO,         54.2         70.3           Bedrum as CA         2.000         1.880         2.280           Calcium as CA         2.000         1.880         2.280           Buretanzion as Mg         6.3.2         50.0         10.3           Borithy dense as CAO,         6.800         <	P.Q. BOX 98 MIDLAND, TX, 79702 PHONE (432) 863-4523	Martin Water Labora REBULT OF WATER A	,		700 W. INDI HIDLAMD, TEXA FAX (432) 882
Mr. Jeff Birkenbacb         CABONATORY NO.         2:9-09           Box [1145, Midland, TX 79702         RESULTS REPORTED         2-13-09           COMPANY         OGX Resources         LEASE         As listed           SECTION         BLOCK         SURVEY         COUNTY         STATE           SOURCE OF BAMPLE AND DATE TAKEN:         NO.1         REpeado         NO.2         Coppet           NO.2         Coppet         NO.4         NO.2         NO.3         Challenger           NO.4         Challenger         NO.4         NO.2         NO.3         NO.4           REMARK8:         CHEMICAL AND PHYSICAL PROPERTIES         NO.4         NO.4         I.1040         I.1040         I.1090           If When Bangae				20	9-122
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CHEMICAL AND PHYSICAL PROPERTIES           NO. 1         NO. 2         NO. 3         NO. 4           Specific Greetry at 60° F.         1,1040         1.1240         1.1090           pH Mean Sampled         0         1.090         1.1240         1.1090           pH Mean Record         6.88         6.79         6.80         6.80           Bitgebraits at RCO,         1.098         781         476           Buppertaturation as CaCO,         0         0         7.000         8.600           Calcium as Ca         2.000         1.880         2.280         Magnetium as Mg           Magnetium as Mg         627,064         81,123         70.284         80/284           Bodium and/or Pollagetum         62,064         81,123         70.284         80/284           Waters as Co	REMARKA:				
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Specific Gravity at 60' F.         1,1040         1.1240         1.1090           pH Whan Sampled         6,88         6,79         6,80           SkGPronete as HCO,         1.098         781         476           Supertaturation as CaCO,         1.098         781         476           Supertaturation as CaCO,         0         0         0         0           Total Hardness as CaCO,         6,800         7.000         8,600         -           Galdium and/or Polagetum         62,064         81,133         70.284         -           Migunation as Ng         437         559         705         -         -           Bodium and/or Polagetum         62,064         81,133         70.284         -         -           Writes as BO,         6,42         515         793         - </td <td>······································</td> <td></td> <td></td> <td>NO. 3</td> <td>NO. 4</td>	······································			NO. 3	NO. 4
aN When Sampled	Specific Gravity at 60 1 F.			·····	
pri When Recensed         6,88         6,79         6,80           Bicarbonate es HCD,         1.098         781         476           Supertaturation as CaCO,         0         0         0           Undersaturation as CaCO,         6,800         7,000         8,600           Caliform as Ca         2,000         1,880         2,280           Magnesture as Ca         437         559         705           Botium antifue Potassium         62,064         81,133         70.284           Witase as BC,         642         515         793           Cintertes as Ci         99,400         129,220         113,600           Iron as Fa         0         0         0         0           Total Balide, Calculated         165,641         214,		A1.1 Y.TY			
BKSPDonate as HCO,         1.098         781         476           Bupertaturation as CaCO,		6.88	6.79	6,80	
Bupert&luration as CaCO,	Bicarbonete as HOO,				
Total Hardness as CeCO,         6.600         7.000         8.600           Calcium as Cs         2.000         1.880         2.280           Magnestum es Mg         437         559         705           Bottum antior Processon         62,064         81,133         70.284           Builtais es BC,         642         515         793           Chiorise as Ci         99,400         129,220         113,600           Iton as 7s         48.9         91.9         60.8           Berlium as Ba         0         0         0           Total Balinke, Calculated         165,641         214,088         188,138           Temperature "F.         0         0         0         0           Carton Disolde, Calculated         165,641         214,088         188,138           Temperature "F.         0         0         0         0           Carton Disolde, Calculated         165,641         214,088         188,138         188,138           Temperature "F.         0         0         0         0         0           Carton Disolde, Calculated         165,641         214,088         188,138         188,138         188,138         189,138         189,138         189,138<	Supersaturation as CaCO <sub>2</sub>				
Calcium as Cs         2,000         1,880         2,280           Magnesium as Mg         437         559         705           Bodium antifur Polassium         62,064         81,133         70,284           Wilkes as BC,         642         515         793           Criteries as Ci         99,400         129,220         113,600           Iron as Fs         48.9         91,5         60,8           Berlum as Ba         0         0         0           Total Berlue, Calculated         165,641         214,088         188,138           Total Berlue, Calculated         165,641         214,088         188,138           Carbon Disolde, Calculated         0.0         0.0         0.0           Presolved Drygen,         0.0         0.0         0.0           Mydrogen Builinde         0.0.065         0.056         0.060           Suspander O II         1         1         1           Prifitable Borde as mgII	Undersaturation as CaCO <sub>3</sub>				
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Bodium entitor Polestum         62,064         81,133         70.284           Builtate as BC,         642         515         793           Chorde as CI         99,400         129,220         113,600           Iron as Fe         48.9         91.9         60.8           Berlum as Ba         0         0         0           Twibidity, Electric         0         0         0           Total Bolide, Calculated         165,641         214,088         188,138           Temperature FF.         0         0         0           Carbon Disolde, Calculated         165,641         214,088         188,138           Temperature FF.         0         0         0         0           Revealed Dargen,         0         0.0         0.0         0.0           Probability, Derailing         0.0         0.0         0.0         0.0           Revealed Dargen,         0.0         0.0         0.0         0.0         0.0           Bellide         0.065         0.055         0.056         0.0665         0.0665         0.0665           Bellide         0         0         0         0         0         0         0         0         0	Calcium as Ca	2,000	1,880	2,280	
Builtate as BC,         642         515         793           Chibrids as Cl         99,400         129,220         113,600           Iron as Fe         48.9         91.9         60.8           Berlinn as Ba         0         0         0           Turbidity: Decirity         Color as Ph	Megneslum es Mg	437	\$59	705	
Chicke as Cl         99,400         129,220         113,600           Iron as Fe         48,9         91,9         60,8           Berlum as Ba         0         0         0           Terbidity, Electric	Bodium and/or Potagelum	62,064	81.133	70.284	
Iron sa Fr         48.9         91.9         60.8           Berlinn ar Ba         Q <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
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Hydrogen Bullide         0.0         0.0         0.0           Gesistviry, onrakin at 77° P.         0.065         0.056         0.060           Bullide         01         0.065         0.056         0.060           Bullide         01         0.065         0.056         0.060				<del></del>	
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LATHAN PRINTING CO - \$53-1396

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Greg Ogden, B.S.

Reposado—Delaware Cooper—Bone Spring Challenger—Bone Spring

OGX Resources, LLC Form C-108; Latham Fed. No. 1 Produced Water Analysis •

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Record Count: 1

**OGX Resources, LLC** Form C-108; Latham Fed. No. 1 Fresh Water Well Data Office of the State Engineer

http://iwatere.nee.etate.nm.ue.7001/iW/ATERS/WellAndSurfaceDienatcher

7/17/2000

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### New Mexico Office of the State Engineer Point of Diversion Summary Back (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) POD Number Tws Rng Sec qqq Zone Х Y C 02371 25S 29E 15 3 2 Driller Licence: 1259 CAMPBELL DRILLING Driller Name: MIKE CAMPBELL Source: Shallow Drill Start Date: 01/12/1995 Drill Finish Date: 01/24/1995 PCW Received Date: Log File Date: 02/01/1995 Pump Type: Pipe Discharge Size: Casing Size: 8 Estimated Yield: 20 Depth Well: 200 Depth Water: 60 Water Bearing Stratifications: Top Bottom Description 162 200 Sandstone/Gravel/Conglomerate Casing Perforations: Top Bottom 140 200 ------

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher?email\_address\_\_\_\_2/17/2000

Form C-108 Affirmative Statement OGX Resources, LLC Latham Federal No. 1 API No. 30-015-22752 1980' FSL & 1800' FEL (Unit J) Section 15, T-25S, R-29E, NMPM Eddy County, New Mexico

Available geologic and engineering data have been examined and no evidence of open faults or hydrological connection between the disposal zone and any underground sources of drinking water has been found.

Ann Ritchie Regulatory Agent OGX Resources, LLC

2.27-09 Date

February 26, 2009

## <u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

## TO: OFFSET LEASEHOLD OPERATORS & SURFACE OWNER

Re: OGX Resources, LLC
Form C-108 (Application for Authorization to Inject)
Latham Federal No. 1
API No. 30-015-22752
1980' FSL & 1800' FEL, Unit J, Section 15, T-25S, R-29E, NMPM, Eddy County, New Mexico

Ladies & Gentlemen:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the OGX Resources, LLC Latham Federal Well No. 1. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. OGX Resources, LLC proposes to re-enter this plugged and abandoned well and convert the well to a disposal well, injection to occur into the Bell Canyon and Cherry Canyon members of the Delaware formation through the interval from 3,306<sup>2</sup>-4,600<sup>2</sup>.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (432) 684-6381.

Sincerely, find thehid

Ann Ritchie Regulatory Agent, OGX Resources, LLC P.O. Box 953 Midland, Texas 79702

Enclosure

OGX Resources, LLC Latham Federal, Well No. 1 – SWD Application Section 15, T25S, R29E, NMPM 1980 FSL and 1800 FEL, Unit J Eddy County, NM

## Operators within a I/2 mile radius:

Bettis, Boyle & Stovall, Box 1240, Graham, TX 76450

EOG Resources, Inc., Box 2267, Midland, TX 79702

Endeavor Energy Resources, LP, 110 N. Marienfeld, #200, Midland, TX 79701

Yates Petroleum Corp., 105 S. 4th, Artesia, NM 88210

## Surface Owner:

Bureau of Land Management, 620 E. Greene St., Carlsbad, NM 88220 Bettis, Boyle & Stovall, Box 1240, Graham, TX 76450

Copies of the New Mexico Oil Conservation Division Form C-108 Application, Data Sheet & Map have been sent to the above stated parties by certified mailing.

Ann E. Ritchie, Regulatory Agent OGX Resources, LLC Form C-108 OGX Resources, LLC Latham Federal Well No. 1 (API No. 30-015-22752) 1980' FSL & 1800' FEL (Unit J) Section 15, T-25 South, R-29 East, NMPM, Eddy County, New Mexico

## Legal notice will be published in the:

Artesia Daily Press P.O. Box 190 Artesia, New Mexico 88211-0190

## A copy of the legal advertisement will be forwarded to the Division upon publication.

OGX Resources, LLC, c/o P.O. Box 953, Midland, Texas 79702, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to convert the Latham Federal Well No. 1 (API No. 30-015-22752) located 1980' FSL & 1800' FEL (Unit J) of Section 15, Township 25 South, Range 29 East, NMPM, Eddy County, New Mexico to a produced water disposal well. The well will be utilized to dispose of Bone Spring and Morrow formation produced water from OGX Resources, LLC owned wells in this area. Injection will occur into the Bell Canyon and Cherry Canyon members of the Delaware formation through the interval from 3,306'-4,600'. The average and maximum injection rates will be 2,000 and 4,000 barrels of water per day and the average and maximum surface injection pressure is anticipated to be 661 psi and 1,050 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Ann Ritchie, Regulatory Agent, OGX Resources, LLC, at (432) 684-6381

-	DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION



- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505

## **ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

## **Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposal] [IPI-Injection Pressure Increase] [EQR-Qualified Enhanced OII Recovery Certification] [PPR-Positive Production Response] [1] **TYPE OF APPLICATION -** Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication [A] 🗌 NSL 🗌 NSP 🦳 SD Check One Only for [B] or [C] [B] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery IC1 🗌 WFX 🗍 PMX 🔳 SWD 🗍 IPI 🗍 EOR 🗍 PPR [D] Other: Specify [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners [A]

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

## [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: St	tatement must be completed by an individu	al with managerial and/or supervisory c	apacity.
Ann Ritchie	Mi Kutchis	Regulatory Agent	2-27-09
Print or Type Name	Signature	Title	Date
<u>a</u>	ann.wtor@gmail.com		

E-Mail Address

OGX Resources, LLC Latham SWD Eddy County, NM

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Surface tenant in Section 15 is Wayland Perry, P.O. Box 24, Cherokee, Texas 76832