

OCD-ARTEZIA

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. OPERATOR: RAY WESTALL (30-015-26963)
ADDRESS: Box 4, Loco Hills, NM 88255
CONTACT PARTY: RANDALL HARRIS PHONE: 505 677-237
- III. 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 ☐ No
If yes, give the Division order number authorizing the project: R-2846
- 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:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. 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.).
- *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: RANDALL HARRIS TITLE: Geologist
SIGNATURE: [Signature] DATE: 10/27/05
E-MAIL ADDRESS: r.harrisnm@netscape.net
- * 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: _____

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.

INJECTION WELL DATA SHEET

OPERATOR: RAY WESTALLWELL NAME & NUMBER: CACWIN QUEEN # 19 API 30-015-26963WELL LOCATION: 2363' FEL & 1043' FSL UNIT LETTER O SECTION 36 TOWNSHIP 18S RANGE 30EWELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface Casing2 7/8" PLASTIC TUBING451' 8 5/8" CMT CIRCULATEDHole Size: 12 1/4"Casing Size: 8 5/8"Cemented with: 350 sx. or ft³Top of Cement: SURFACEMethod Determined: CIRCULATEDIntermediate Casing

Hole Size: _____

Casing Size: _____

Cemented with: _____ sx. or ft³

Top of Cement: _____

Method Determined: _____

Production CasingHole Size: 7 7/8"Casing Size: 5 1/2"Cemented with: 1125 sx. or ft³Top of Cement: SURFACEMethod Determined: CIRCULATEDTotal Depth: 3413Injection Interval3077

feet to

3123 PERFORATED

(Perforated or Open Hole; indicate which)

2980
ACUER3077-3123
QUEEN PERF3413' 5 1/2"
CMT CIRCULATED

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: PLASTIC

Type of Packer: BAKER MOD R NICKLE PLATED

Packer Setting Depth: 2980'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

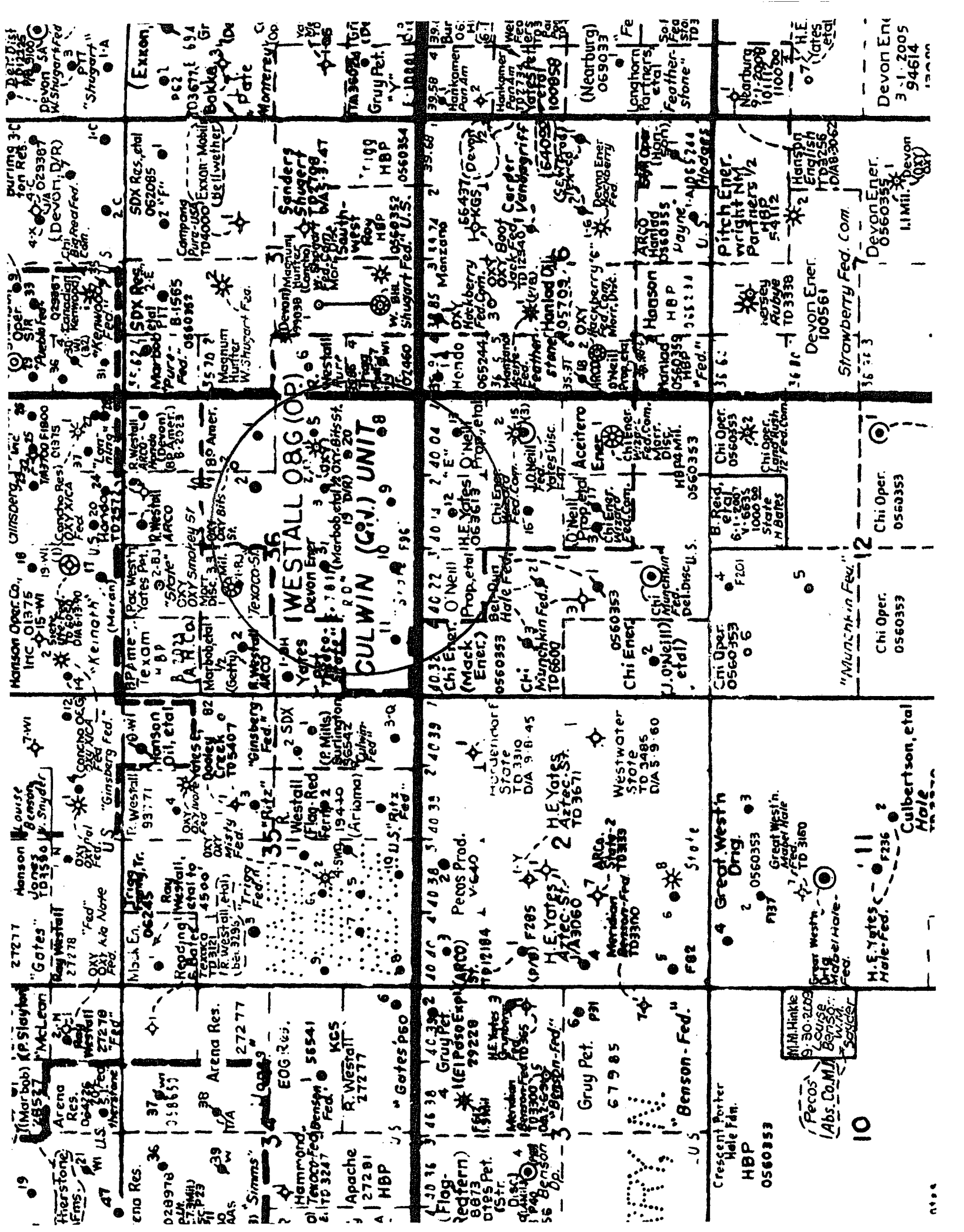
1. Is this a new well drilled for injection? Yes X No _____
- If no, for what purpose was the well originally drilled? OIL PRODUCTION

2. Name of the Injection Formation: QUEEN
3. Name of Field or Pool (if applicable): CULWIN QUEEN UNIT
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

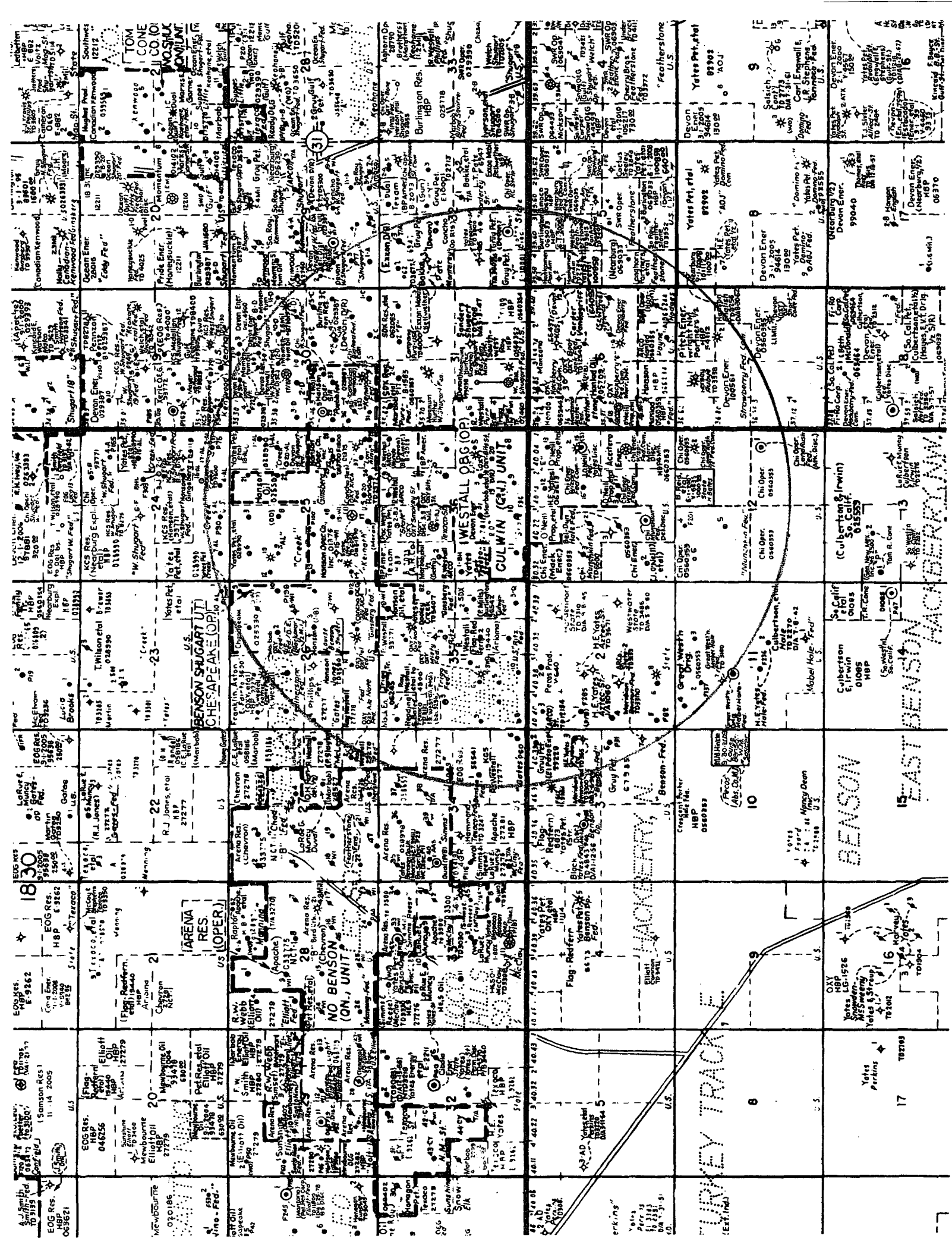
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: YATES - 7-RIVERS 2400 - 2600
- MORROW 11,500 - 12,200'
- _____
- _____

ATTACHMENT V

Maps that identifies all wells of public record within two miles of each proposed injection well, and the area of review one-half mile radius around each proposed injection well.



Map of Los Angeles area showing various locations and landmarks. Key locations include Hollywood, Beverly Hills, Culver City, and Inglewood. The map is divided into several sections, each containing a grid of numbers and letters. Key locations include Hollywood, Beverly Hills, Culver City, and Inglewood. The map is a detailed representation of the Los Angeles region, showing the layout of the city and its surrounding areas.



ATTACHMENT VI

Data on all wells of public record within the area of review. Included are schematics of the plugged wells that penetrated the proposed injection zone within the area of review.

No plugged wells within area of review.

WELL NAME	LOCATION	SPUD DATE	SUR.CASING	INT.CASING	PROD. CASING	COMPLETION
Ray Westall Culwin Queen #1	SENE Sec 36 T18S-R30E	3/9/1960	8 5/8" @ 787' 50 sxs T/ 550' calc		4 1/2" 3420' 220 sxs T/1924' calc	3114-3170 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #2	SWNE Sec 36 T18S-R30E	1/30/1960	8 5/8" @ 787' 50 sxs T/550' calc		4 1/2 @ 3351' 150 sxs T/2343' calc	3124-3133 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #3	NESW Sec 36 T18S-R30E	9/6/1960	8 8/5" @ 735' 50 sxs T/504' calc		5 1/2" @ 3139' 125 sxs T/2299' calc	3102-3118 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #4	NWSE Sec 36 T18S-R30E	3/9/1959	8 5/8" @ 742' 50 sxs T/511' calc		4 1/2" @ 742' 160 sxs T/2068' calc	3117-3130 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #5	NESE Sec 36 T18S-R30E	5/28/1959	8 5/8" @ 725' 100 sxs T/263' calc		4 1/2" @ 3164' 100 sxs T/2492' calc	3105-3150 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #8	SESE Sec 36 T18S-R30E	4/16/1959	8 5/8" @ 690' 25 sxs T/574' calc		4 1/2" @ 3071' 75 sxs T/2567' calc	3071-3115 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen # 9	SWSE Sec 36 T18S-R30E	5/20/1959	8 5/8" /@ 702' 20 sxs T/609' calc		4 1/2" @ 3145' 175 sxs T/1969' calc	3090-3108 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #10	SESW Sec 36 T18S-R30E	6/12/1960	8 5/8" @ 732' 50 sxs T/501' calc		4 1/2" @ 3148' 100 sxs T/2476' calc	3106-3130 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #11	SWSW Sec 36 T18S-R30E	8/12/1960	8 5/8" @ 719' 50 sxs T/488' calc		5 1/2" @ 3164' 125 sxs T/2212' calc	3110-3126 Shugart Y-Qb-7R-GB INJ

WELL NAME	LOCATION	SPUD DATE	SUR.CASING	INT.CASING	PROD. CASING	COMPLETION
Ray Westall Culwin Queen #12	NWNE Sec 1 T19S-R30E	12/24/1959	8 5/8" @ 760' 75 sxs T/413' calc		5 1/2" @ 3317' 150 sxs T/2174' calc	3080-3097 Shugart Y-Qb-7R-GB Oil
Ray Westall Culwin Queen #13	NENE Sec 1 T19S-R30E	11/8/1958	8 5/8" @ 760' 50 sxs T/529' calc		5 1/2" @ 3171 125 sxs T/2219' calc	3092-3126 Shugart Y-Qb-7R-GB INJ
Ray Westall Culwin Queen #20	SWSW Sec 36 T18S-R30E	3/26/1992	8 5/8" @ 426' 300 sxs circulated		5 1/2" @ 3400 525 sxs Circulated	2520-3151 Shugart Y-Qb-7R-GB Oil
OXY USA OXY Bits State #1	NESW Sec 36 T18S-R30E	1/8/2002	13 3/8" @ 655' 550 sxs circulated	9 5/8" @ 3220' 1300 sxs circulated	5 1/2" @ 12280 775 sxs T/8478' CBL	12106-12129 Hackberry Morrow Gas
OXY USA OXY Smokey State #1	SEnw Sec 36 T18S-R30E	5/15/2001	13 3/8" @ 575' 740 sxs circulated	9 5/8" @ 3630' 1290 sxs circulated	5 1/2" @ 12290 1200 sxs T/5794' CBL	11756-11776 Hackberry Morrow Gas
Texaco State BJ #1	SEnw Sec 36 T18S-R30E	6/1/1972	8 5/8" @ 794' 475 sxs circulated		5 1/2" @ 3714 850 sxs 100' Temp	3187-3305 Shugart Y-Qb-7R-GB Oil
Texaco State BN #1	NWSW Sec 36 T18S-R30E	8/18/1972	8 5/8" @ 787' 350 sxs circulated		5 1/2" @ 3716 1000 sxs circulated	2358-3176 Shugart Y-Qb-7R-GB Oil

ATTACHMENT IX

Proposed stimulation:

No proposed stimulation.

ATTACHMENT XI

There is no active fresh water wells within one mile.

ATTACHMENT VII

1. Proposed average of 100 bbls per day and maximum of 500 bbls per day of injected fluids. At a rate of one bbl per minuet.
2. System will be closed.
3. Average anticipated pressure of 400 psi and a maximum of 600 psi.
4. Water will be reinjected produced water.

ATTACHMENT VIII

The proposed injection zone is a sand of the Queen formation. This is a fine grained sand. There is possible drinking water overlying the injection in the surface sands at a depth of 0-150'. There is no known source underlying the injection interval.

ATTACHMENT XII

All available geologic and engineering data have been examined and there is no evidence of open faults or any other hydrologic connection between the disposal zone and any source of drinking water.

ATTACHMENT XIV

PROOF OF NOTICE

Leasehold operators within one-half mile of the well location are: ChevronTexaco, Yates, BP America, OXY and Chi Energy. Each of the operators were provided a copy of our application by certified mail. Proof of notice is enclosed. The surface owner is the State of New Mexico.

PROOF OF PUBLICATION

Proof of publication is from the Artesia Daily Press and is attached.

CERTIFIED MAIL

ChevronTexaco
P.O. Box 36366
Houston, Tx 77236-6366

7004 0750 0002 5384 5291

Yates Petroleum
105 S 4th Street
Artesia, NM 88210

7002 0460 0000 3842 5603

BP America
501 Westlake Park Blvd
Houston, TX 77079-2604

7002 0460 0000 3842 5610

OXY
10889 Wilshire Blvd
Los Angeles, CA 90024-4201

7002 0460 0000 3842 5627

Chi Energy
P.O. Box 1799
Midland, TX 79702-1799

7002 0460 0000 3842 5634

New Mexico State Land Office
P.O. 1148
Santa Fe, NM 87504-1148

7002 0460 0000 3842 5641

Oil Conservation Division
1301 W. Grand
Artesia, NM 88210

Oil Conservation Division
1220 S. St. Francis
Santa Fe, NM. 87505

Affidavit of Publication

NO. 19058

STATE OF NEW MEXICO

County of Eddy:

Gary D. Scott being duly

sworn,says: That he is the Publisher of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press,a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutiv week/days on the same

day as follows:

First Publication October 28 2005

Second Publication _____

Third Publication _____

Fourth Publication _____

Subscribed and sworn to before me this

28th Day October 2005

Barbara Ann Beans
Notary Public, Eddy County, New Mexico

My Commission expires September :23, 2007

Copy of Publication:

LEGAL NOTICE

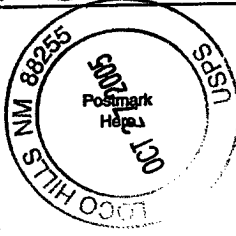
Ray Westall-Operator,
P.O. Box 4, Loco Hills,
New Mexico 88255 Phone
(505)677-2370. Con-
tact party for Ray
Westall-Operator is
Randall Harris, is
seeking administrative
approval from the New
Mexico Oil Conservation
Division to utilize a well
located 2363' FEL &
1043' FSL Section 36,
T18S-R30E, Eddy Coun-
ty, New Mexico known as
the Culwin Queen #19
for water injection. Pro-
posed injection is in the
Queen formation
through perforations
3077-3123 feet. Ex-
pected maximum injec-
tion rate of 500 bbls per
day at 600 psi. Interested
parties must file
objection or requests for
hearing with the Oil
Conservation Division,
1220 So. St. Francis
Drive, Santa Fe, NM
87505 within 15 days of
the notice.
Published in the Artesia
Daily Press, Artesia,
N.M. October 28, 2005.
Legal 19058

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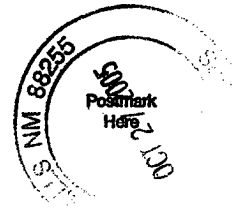


Sent To: **CHELONTERAKO**
Street, Apt. No., or PO Box No.: **P.O. Box 36366**
City, State, ZIP+4: **Houston, TX 77236-6366**
PS Form 3800, June 2002 See Reverse for Instructions

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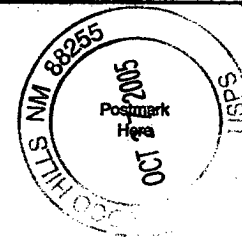


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Street, Apt. No., or PO Box No.: **10889 WILSHIRE BLVD**
City, State, ZIP+4: **LOS ANGELES, CA 90024-4201**
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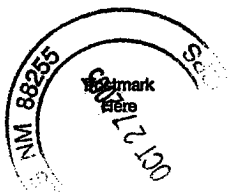


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Street, Apt. No., or PO Box No.: **P.O. Box 1148**
City, State, ZIP+4: **SANTA FE, NM 87504-1148**
PS Form 3800, January 2001 See Reverse for Instructions

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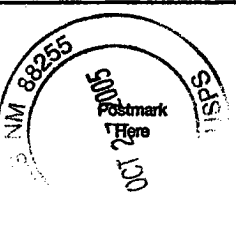


Sent To: **BP America**
Street, Apt. No., or PO Box No.: **5001 WESTLAKE PARK BLVD**
City, State, ZIP+4: **HOUSTON, TX 77079-2604**
PS Form 3800, January 2001 See Reverse for Instructions

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Total Postage & Fees	\$ 3.36

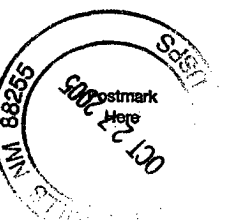


Sent To: **CHI ENERGY**
Street, Apt. No., or PO Box No.: **P.O. Box 1799**
City, State, ZIP+4: **MIDLAND, TX 79702-1799**
PS Form 3800, January 2001 See Reverse for Instructions

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Street, Apt. No., or PO Box No.: **105 S. 4TH STREET**
City, State, ZIP+4: **ARTESIA, NM 88210**
PS Form 3800, January 2001 See Reverse for Instructions