

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-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

*Called Joe 3/10/05
For Re Notice in
Newspaper WFX*

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[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: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE : X Secondary Recovery Pressure Maintenance ^{DIVISION} Disposal Storage
Application qualifies for administrative approval? X Yes No

II. OPERATOR: Latigo Petroleum
ADDRESS : 415 W. Wall, Suite 1900 Midland TX 79701
CONTACT PARTY : Joe N. Clement PHONE : (432)684-4293

III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? X Yes No
If yes, give the Division order number authorizing the project Order No. R-9337

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 geological data on the injection zone including appropriate lithologic detail, geological 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 source 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: Joe N. Clement TITLE: Sr. Operations Engineer
SIGNATURE:  DATE: 03/04/2005
E-MAIL ADDRESS: jclement@latigopetro.com

* If the information required under Sections VI, VII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal:

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 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, NM 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.

Central Corbin Queen Unit #101, #102, #202 & #207 Injection Application Data								
Well	Location	Surface Casing	Inter. Casing	Prod. Casing	TD	Completions	Type	Comments
30-025-28934 Central Corbin Queen Unit #101 Spud 10/31/84	Sec. 9-T18S-R33E Unit B 990' FNL & 1980' FEL	17 1/2" hole size 13 3/8" 48# csg @ 430' w/ 420 sx cmt circ to surface	12 1/4" hole size 9 5/8" 36# csg @ 5100' w/ 3300 sx cmt circ to surface	7 7/8" hole size 5 1/2" 17 & 20# csg @ 13,825' w/ 3100 sx cmt TOC 3600'	TD 13,825' PBD 4850'	✓ 4228'-4238'	OIL to INJ	TOC for 5 1/2" csg determined by Temp. Survey. CIBP set @ 4900' w/ 3 sx cmt on top.
30-025-29243 Central Corbin Queen Unit #102 Spud 6/15/85	Sec. 9-T18S-R33E Unit H 1980' FNL & 430' FEL	12 1/4" hole size 8 5/8" 24# csg @ 380' w/ 300 sx cmt circ to surface		7 7/8" hole size 5 1/2" 14 & 15.5# csg @ 4366' w/ 1550 sx cmt circ to surface	TD 4375' PBD 4339'	✓ 4270'-4282'	OIL to INJ	TOC @ Surface Determined by circulation
30-025-29363 Central Corbin Queen Unit #202 Spud 9/19/85	Sec. 4-T18S-R33E Unit N 660' FSL & 1980' FWL	12 1/4" hole size 8 5/8" 24# csg @ 394' w/ 350 sx cmt circ to surface		7 7/8" hole size 5 1/2" 14# csg @ 4300' w/ 1250 sx cmt circ to surface	TD 4300' PBD 4256'	✓ 4207'-4226'	OIL to INJ	TOC @ Surface Determined by circulation
30-025-29776 Central Corbin Queen Unit #207 Spud 11/6/86	Sec. 4-T18S-R33E Unit P 660' FSL & 990' FEL	12 1/4" hole size 8 5/8" 24# csg @ 396' w/ 300 sx cmt circ to surface		7 7/8" hole size 5 1/2" 14# csg @ 4523' w/ 1400 sx cmt circ to surface	TD 4530' PBD 4478'	✓ 4203'-4227'	OIL to INJ	TOC @ Surface Determined by circulation



Central Corbin Queen Unit #101
990' FNL & 1980' FEL
Unit B, Sec. 9-T18S-R33E
Lea County, New Mexico

Application for Authorization to Inject

- VI. Attached is a tabulation of all wells of public record that fall within the $\frac{1}{2}$ mile radius of the proposed injection well, the Central Corbin Queen Unit #101. This investigation has further shown that all these wells have a good cement seal around their casing shoe and will therefore prevent the upward migration of the disposed water into any potable water zone. This project is part of a re-patterning of the existing Central Corbin Queen Unit waterflood, authorized under Order No. R-9337.
- VII. The proposed average daily injection rate for the subject well is 250 BWPD; the maximum daily injection rate would be 500 BWPD. This is an open system with an average pressure of 1600 and a maximum pressure of 2200 psi. Only produced water will be injected in the proposed well, so incompatibility will not be a problem.
- VIII. The injection zone is a Permian-age sand known as the Queen. The main zone is the upper part of the Queen, known locally as the Shattuck member. The top of the Queen in this well is at 4,194', and is approximately 50' thick. The zone is perforated from 4,228' - 4,238'. The source of fresh water in this area comes from the Ogallala formation, the base of which is at approximately 350'. There are no known sources of drinking water underlying the injection interval.
- IX. After perforation, the well will be stimulated with 2000 gallons of 15% NEFE HCl and ball sealers.
- X. Log and test data is on file with the Division.
- XI. Attached is an analysis of the water from a water well located in Sec. 10; T-18-S; R-33-E; NW, SE; 1650 FSL & 330 FEL. This is the only well which could be located.
- XII. Latigo Petroleum has examined the available geologic and engineering data and can find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. The required "Proof of Notice" is attached.
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INJECTION WELL DATA SHEET

OPERATOR: Latigo Petroleum, Inc.WELL NAME & NUMBER: Central Corbin Queen Unit #101WELL LOCATION: 990' FNL & 1980' FEL

FOOTAGE LOCATION

B

UNIT LETTER

9

SECTION

18S

TOWNSHIP

33E

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2" Casing Size: 13 3/8" 48#Cemented with: 420 sx. or ft³Top of Cement: surface Method Determined: CirculationIntermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8" 36#Cemented with: 3300 sx. or ft³Top of Cement: surface Method Determined: circulationProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2" 17 & 20#Cemented with: 3100 sx. or ft³Top of Cement: 3600' Method Determined: Temp. SurveyTotal Depth: 13,825Injection Interval4228' feet to 4238'

(Peforated or Open Hole; indicated which)

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

1. Is This a new well drilled for injection? Yes X No

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. See wellbore diag.

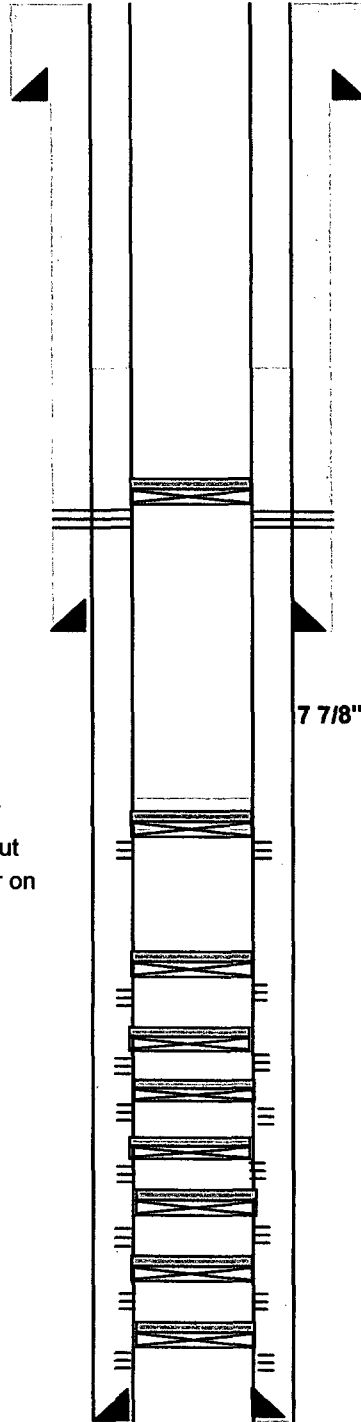
2nd Bone Spring 8600

CCQU #101

990' FNL & 1980' FEL
Sec 9 (B), T18S, R33E
Lea County, NM
API No. 30-025-28934
Corbin Queen

Spudded 10/31/84
Completed 3/30/85

100' depth to Groundwater
2499' - distance from nearest
fresh water well
40 miles from nearest surface water



17 1/2" Hole

13 3/8" 48# csg @ 430' w/420
sx cmt, circ to surface

12 1/4" Hole

Set 9 5/8" 36# csg @ 5100' w/3300
sx cmt, circ to surface

Set CIBP @ 4900' dumped 3 sx cmt on top
Perf Grayburg 4961' - 4968'

Perf Queen @ 4228' - 4238' (44 holes)

7 7/8" Hole

Set CIBP @ 6600' w/12 sx cmt plug on top
Perf Bone Springs 6667' - 6724'

Set CIBP @ 8100'

Perf Bone Springs 8140' - 8176'

Set CIBP @ 8470'

Perf Bone Springs 8510' - 8528'

Set CIBP @ 8700'

Perf Bone Springs 8760' - 8798'

Set CIBP @ 11,300' w/2sx cmt
dumped on top

Perf Wolfcamp 11,334' - 11,348'

Set CIBP @ 13,347'

Perf Morrow 13,478' - 13,544' (26 holes)

Set CIBP @ 13,650'

Perf Morrow 13,669' - 13,672' (16 holes)

Set 5 1/2" 17 & 20# csg @ 13,825'
w/3100 sx cmt, TOC 3600' per Temp
Survey

POOH w/rods, pump & tbg (2-7/8" EOT
@ 4140') . RIH w/bit & scraper, clean out
to PBTD 4850' , RIH w/Baker AD-1 pkr on
2-3/8" IPC tbg, circ w/pkr fluid. Set pkr
50' above top perf (4228'-4238').
Acidize well w/1500 gal 8515 acidtol.
Place on injection. Run step rate
test when rate & press stabilize

PBTD 4850'
TD 13,825'

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOV-
INGTON DAILY LEADER** and not in any supplement there-
of, for one (1) day, beginning with the issue of
February 27, 2005 and ending with the issue
of February, 2005.

And that the cost of publishing said notice is the sum of \$ 17.83 _____ which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this 4th day of
March 2005.

Debbie Schilling

Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2006

LEGAL NOTICE
Conversion To
Water Injection
Well

Latigo Petroleum, 550 W. Texas, Fasken Tower II, Suite 700, Midland, Texas 79701, 915-684-4293, contact Joe N. Clement, has made application for a water injection well with the New Mexico Oil Conservation Commission. The well, known as the Central Corbin Queen Unit #101, is located 990' FNL and 1980' FEL., Sec. 4-T18S-R33E, Lea County, New Mexico. Disposal will be into the Queen zone through perforations from 4,228' - 4,238'. Maximum rate and pressure is anticipated to be 500 BWPD and 2000 PSI. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Commission, P.O. Box 2088, Santa Fe, New Mexico 87504 within fifteen (15) days of this notice. Published in the Lovington Daily Leader February 27, 2005.

Application for Authorization to Inject

- VI. Attached is a tabulation of all wells of public record that fall within the ½ mile radius of the proposed injection well, the Central Corbin Queen Unit #102. This investigation has further shown that all these wells have a good cement seal around their casing shoe and will therefore prevent the upward migration of the disposed water into any potable water zone. This project is part of a re-patterning of the existing Central Corbin Queen Unit waterflood, authorized under Order No. R-9337.
- VII. The proposed average daily injection rate for the subject well is 250 BWPD; the maximum daily injection rate would be 500 BWPD. This is an open system with an average pressure of 1600 and a maximum pressure of 2200 psi. Only produced water will be injected in the proposed well, so incompatibility will not be a problem.
- VIII. The injection zone is a Permian-age sand known as the Queen. The main zone is the upper part of the Queen, known locally as the Shattuck member. The top of the Queen in this well is at 4,250', and is approximately 50' thick. The zone is perforated from 4,270' - 4,282'. The source of fresh water in this area comes from the Ogallala formation, the base of which is at approximately 350'. There are no known sources of drinking water underlying the injection interval.
- IX. After perforation, the well will be stimulated with 2000 gallons of 15% NEFE HCl and ball sealers.
- X. Log and test data is on file with the Division.
- XI. Attached is an analysis of the water from a water well located in Sec. 10; T-18-S; R-33-E; NW, SE; 1650 FSL & 330 FEL. This is the only well which could be located.
- XII. Latigo Petroleum has examined the available geologic and engineering data and can find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. The required "Proof of Notice" is attached.
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INJECTION WELL DATA SHEET

OPERATOR: Latigo Petroleum, Inc.WELL NAME & NUMBER: Central Corbin Queen Unit #102WELL LOCATION: 1980' FNL & 430' FEL H 9 18S 33E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface CasingHole Size: 12 1/4" Casing Size: 8 5/8" 24#Cemented with: 300 sx. or ft³Top of Cement: surface Method Determined: CirculationIntermediate CasingHole Size: Casing Size: Cemented with: sx. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7 7/8" Casing Size: 5 1/2" 14 & 15.5#Cemented with: 1550 sx. or ft³Top of Cement: surface Method Determined: CirculationTotal Depth: 4375'Injection Interval4270' feet to 4282'

(Perforated or Open Hole; indicated which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: IPC

Type of Packer: Baker AD-1

Packer Setting Depth: 4220'

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

Additional Data

1. Is This a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? producer

2. Name of the Injected Formation: Queen

3. Name of Field or Pool (if applicable): Cortin

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. see wellbore diag

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injected zone in this area:

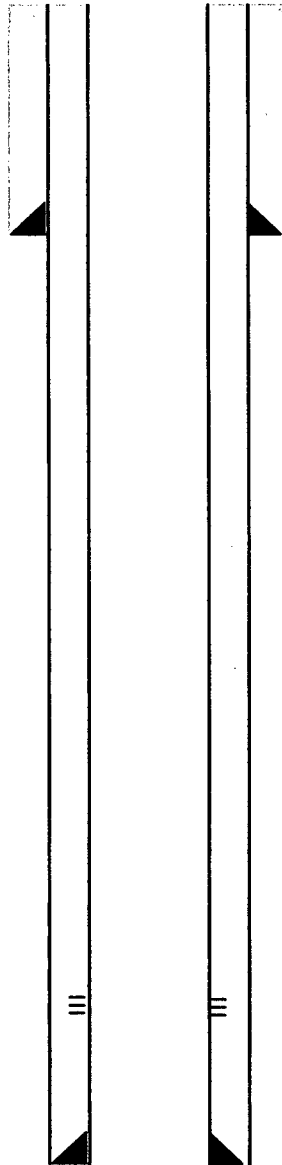
Seven Rivers	3450	Abo	9050
Grayburg/San Andres	4900	Wolfcamp	11,250
2nd Bone Spring	8600		

CCQU #102
1980' FNL & 430' FEL
Sec 9 (H), T18S, R33E
Lea County, NM
API No. 30-025-29243
Corbin Queen

Spud Date : 6/15/85
Completion Date: 7/30/85

100' depth to Groundwater
2830' - distance from nearest
fresh water well
40 miles from nearest surface water

POOH w/rods, pump & tbg (2-3/8" EOT
@ 4256') . RIH w/bit & scraper, clean out
to TD 4375-' , RIH w/Baker AD-1 pkr on
2-3/8" IPC tbg, circ w/pkr fluid. Set pkr
50' above top perf (4270'-4282').
Acidize well w/1500 gal 8515 acidtol.
Place on injection. Run step rate
test when rate & press stabilize



PBTD 4339'
TD 4375'

12 1/4" Hole

Set 8 5/8" csg @ 380' w/300 sx cmt
Circ to surf

7 7/8" Hole

perf 4270' - 4282' (52 holes)
Acidz w/2500 gals 15% NEFE acid
+ 20,000 gals My-T-Frac + 25,000 #
20/40 sand

Set 5 1/2" csg @ 4366' w/1550 sx
CL 'C' cmt, circ to surf

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

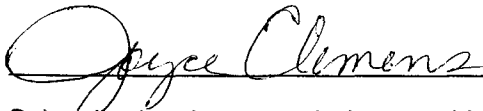
Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

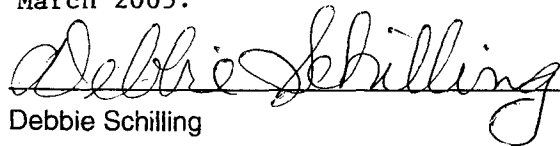
Legal Notice

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of February 27, 2005 and ending with the issue of February, 2005.

And that the cost of publishing said notice is the sum of \$ 17.83 which sum has been (Paid) as Court Costs.



Subscribed and sworn to before me this 4th day of March 2005.



Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2006

LEGAL NOTICE
Conversion To
Water Injection

Well -
Latigo Petroleum, 550 W.
Texas, Fasken Tower II,
Suite 700, Midland, Texas
79701, 915-684-4293,
contact Joe N. Clement,
has made application for a
water injection well with
the New Mexico Oil
Conservation
Commission. The well,
known as the Central
Corbin Queen Unit #102,
is located 1980' FNL and
430' FEL, Sec. 4-T18S-
R33E, Lea County, New
Mexico. Disposal will be
into the Queen zone
through perforations from
4,270' - 4,282'. Maximum
rate and pressure is antici-
pated to be 500 BWPD
and 2000 PSI. Interested
parties must file objec-
tions or requests for hear-
ing with the New Mexico
Oil Conservation
Commission, P.O. Box
2088, Santa Fe, New
Mexico 87504 within fif-
teen (15) days of this
notice.

Published in the
Lovington Daily Leader
February 27, 2005.



Central Corbin Queen Unit #202
660' FSL & 1980' FWL
Unit N, Sec. 4-T18S-R33E
Lea County, New Mexico

Application for Authorization to Inject

- VI. Attached is a tabulation of all wells of public record that fall within the $\frac{1}{2}$ mile radius of the proposed injection well, the Central Corbin Queen Unit #202. This investigation has further shown that all these wells have a good cement seal around their casing shoe and will therefore prevent the upward migration of the disposed water into any potable water zone. This project is part of a re-patterning of the existing Central Corbin Queen Unit waterflood, authorized under Order No. R-9337.
- VII. The proposed average daily injection rate for the subject well is 250 BWPD; the maximum daily injection rate would be 500 BWPD. This is an open system with an average pressure of 1600 and a maximum pressure of 2200 psi. Only produced water will be injected in the proposed well, so incompatibility will not be a problem.
- VIII. The injection zone is a Permian-age sand known as the Queen. The main zone is the upper part of the Queen, known locally as the Shattuck member. The top of the Queen in this well is at approximately 4,180', and is 45' thick. The zone is perforated from 4,207' - 4,226'. The source of fresh water in this area comes from the Ogallala formation, the base of which is at approximately 350'. There are no known sources of drinking water underlying the injection interval.
- IX. After perforation, the well will be stimulated with 2000 gallons of 15% NEFE HCl and ball sealers.
- X. Log and test data is on file with the Division.
- XI. Attached is an analysis of the water from a water well located in Sec. 10; T-18-S; R-33-E; NW, SE; 1650 FSL & 330 FEL. This is the only well which could be located.
- XII. Latigo Petroleum has examined the available geologic and engineering data and can find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. The required "Proof of Notice" is attached.
-

INJECTION WELL DATA SHEET

OPERATOR: Latigo PetroleumWELL NAME & NUMBER: Central Corbin Queen Unit #202WELL LOCATION: 660' FSL & 1980' FWLUNIT LETTER N SECTION 9 TOWNSHIP 18S RANGE 33E

FOOTAGE LOCATION

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 12 1/4" Casing Size: 8 5/8" 24#Cemented with: 350 sx. or ft³Top of Cement: surface Method Determined: CirculationIntermediate CasingHole Size: Casing Size: Cemented with: sx. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7 7/8" Casing Size: 5 1/2" 14#Cemented with: 1250 sx. or ft³Top of Cement: surface Method Determined: CirculationTotal Depth: 4300'Injection Interval4207' feet to 4226'

(Peforated or Open Hole; indicated which)

INJECTION WELL DATA SHEETTubing Size: 2 3/8" Lining Material: IPCType of Packer: Baker AD-1Packer Setting Depth: 4137"Other Type of Tubing/Casing Seal (if applicable): N/A**Additional Data**

1. Is This a new well drilled for injection? _____ Yes X No _____

If no, for what purpose was the well originally drilled? producer

2. Name of the Injected Formation: Queen

3. Name of Field or Pool (if applicable): Corbin

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. see wellbore diag.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injected zone in this area:

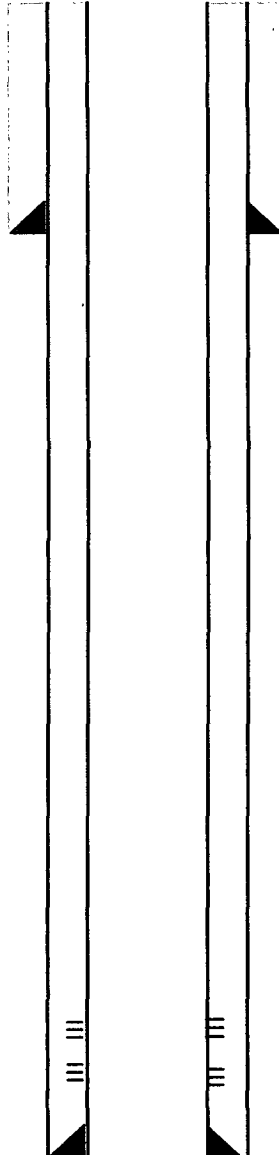
Seven Rivers	3450	Abo	9050
Grayburg/San Andres	4900	Wolfcamp	11,250
2nd Bone Spring	8600		

CCQU #202
660' FSL & 1980' FWL
Sec 4 (N), T18S, R33E
Lea County, NM
API No. 30-025-29363
Corbin Queen

Spud Date: 9/19/85
Completion Date: 10/12/85

100' depth to Groundwater
2416' - distance from nearest
fresh water well
40 miles from nearest surface water

POOH w/rods, pump & tbg (2-3/8" EOT
@ 4208') . RIH w/bit & scraper, clean out
to TD, RIH w/Baker AD-1 pkr on
2-3/8" IPC tbg, circ w/pkr fluid. Set pkr
50' above top perf (4187'-90').
Acidize well w/1500 gal 8515 acidtol.
Place on injection. Run step rate
test when rate & press stabilize



PBTD 4256'
TD 4300'

12 1/4" Hole

Set 8 5/8" csg @ 394', cmt w/350 sx
Cl 'H' cmt, circ to surf

7 7/8" Hole

Perf 4187' - 4190' (9 holes)
Acidz w/2400 gals 15% 90/10 Acidtrol
acid

Perf 4207' - 4226' (40 holes)
Acidz w/2500 gals 15% NEFE acid +
27,400 gals Terrafrac-30 w/5%
diesel + 5000# 20/40 sand + 100,000#
20/40 sand

Set 5 1/2" 14 # csg @ 4300',
cmt w/1250 sx Cl 'c' cmt, circ
to surf

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOV-
INGTON DAILY LEADER** and not in any supplement there-
of, for one (1) day, beginning with the issue of
February 27, 2005 and ending with the issue
of February, 2005.

And that the cost of publishing said notice is the sum of \$ 17.83 _____ which sum has been (Paid) as Court Costs.

Joyce Clemens
Subscribed and sworn to before me this 4th day of
March 2005.

March 2005.
Debbie Schilling
Debbie Schilling

Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2006

LEGAL NOTICE
Conversion To
Water Injection
Well

Latigo Petroleum, 550 W. Texas, Fasken Tower II, Suite 700, Midland, Texas 79701, 915-684-4293, contact Joe N. Clement, has made application for a water injection well with the New Mexico Oil Conservation Commission. The well, known as the Central Corbin Queen Unit #202, is located 660' FSL and 1980' FWL, Sec. 4-T18S-R33E, Lea County, New Mexico. Disposal will be into the Queen zone through perforations from 4,207' - 4,226'. Maximum rate and pressure is anticipated to be 500 BWPD and 2000 PSI. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Commission, P.O. Box 2088, Santa Fe, New Mexico 87504 within fifteen (15) days of this notice.

Published in the
Lovington Daily Leader
February 27, 2005.



Central Corbin Queen Unit #207
660' FSL & 990' FEL
Unit P, Sec. 4-T18S-R33E
Lea County, New Mexico

Application for Authorization to Inject

- VI. Attached is a tabulation of all wells of public record that fall within the $\frac{1}{2}$ mile radius of the proposed injection well, the Central Corbin Queen Unit #207. This investigation has further shown that all these wells have a good cement seal around their casing shoe and will therefore prevent the upward migration of the disposed water into any potable water zone. This project is part of a re-patterning of the existing Central Corbin Queen Unit waterflood, authorized under Order No. R-9337.
- VII. The proposed average daily injection rate for the subject well is 250 BWPD; the maximum daily injection rate would be 500 BWPD. This is an open system with an average pressure of 1600 and a maximum pressure of 2200 psi. Only produced water will be injected in the proposed well, so incompatibility will not be a problem.
- VIII. The injection zone is a Permian-age sand known as the Queen. The main zone is the upper part of the Queen, known locally as the Shattuck member. The top of the Queen in this well is at approximately 4,190', and is 48' thick. The zone is perforated from 4,203' - 4,227'. The source of fresh water in this area comes from the Ogallala formation, the base of which is at approximately 350'. There are no known sources of drinking water underlying the injection interval.
- IX. After perforation, the well will be stimulated with 2000 gallons of 15% NEFE HCl and ball sealers.
- X. Log and test data is on file with the Division.
- XI. Attached is an analysis of the water from a water well located in Sec. 10; T-18-S; R-33-E; NW, SE; 1650 FSL & 330 FEL. This is the only well which could be located.
- XII. Latigo Petroleum has examined the available geologic and engineering data and can find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. The required "Proof of Notice" is attached.
-

INJECTION WELL DATA SHEET

OPERATOR: Latigo PetroleumWELL NAME & NUMBER: Central Corbin Queen Unit #207WELL LOCATION: 660' FSL & 990' FEL P 4 18S 33E

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8" 24#Cemented with: 300 sx. or ft³Top of Cement: surface Method Determined: CirculationIntermediate CasingHole Size: Casing Size: Cemented with: sx. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7 7/8" Casing Size: 5 1/2" 14#Cemented with: 1400 sx. or ft³Top of Cement: surface Method Determined: CirculationTotal Depth: 4530'Injection Interval4203 feet to 4227

(Perforated or Open Hole; indicated which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: IPC

Type of Packer: Baker AD-1

Packer Setting Depth: 4153

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

Additional Data

1. Is This a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? producer

2. Name of the Injected Formation: Queen

3. Name of Field or Pool (if applicable): Corbin

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. see wellbore diag.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injected zone in this area:

Seven Rivers	3450	Abo	9050
Grayburg/San Andres	4900	Wolfcamp	11,250
2nd Bone Spring	8600		

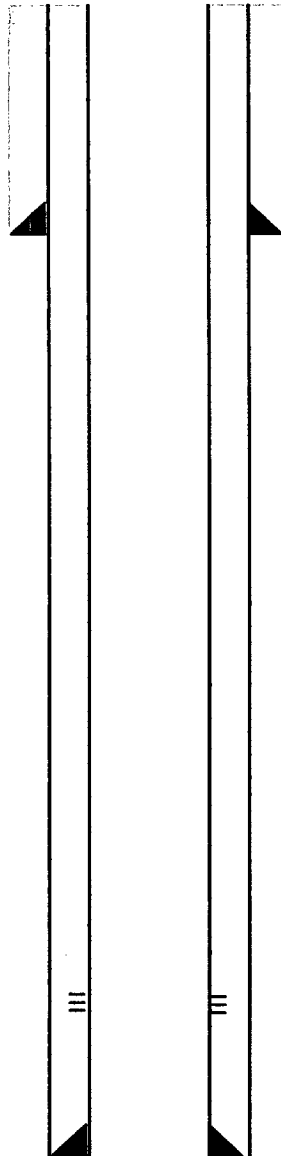
CCQU #207

660' FSL & 990' FEL
Sec 4 (P), T18S, R33E
Lea County, NM
API No. 30-025-29776
Corbin Queen

Spud Date: 11/6/86
Completion Date: 12/1/86

100' depth to Groundwater
2583' - distance from nearest
fresh water well
40 miles from nearest surface water

POOH w/rods, pump & tbg (2-3/8" EOT
@ 4240') . RIH w/bit & scraper, clean out
to PBD 4478', RIH w/Baker AD-1 pkr on
2-3/8" IPC tbg, circ w/pkr fluid. Set pkr
50' above top perf (4203'-4227').
Acidize well w/1500 gal 8515 acidtol.
Place on injection. Run step rate
test when rate & press stabilize



PBD 4478'
TD 4530'

12 1/4" Hole

Set 8 5/8" 24# csg @ 396', cmt w/300
sx Cl 'C cmt, circ to surf

7 7/8" Hole

Perf 4203' - 4227'(40 holes)
Acidz w/2000 gals BDF acid + 20,000
gals 40# x-linked gel w/5% diesel
+6000# 20/40 sand + 35,200# 12/20
sand

Set 5 1/2" 14# csg @ 4523', cmt w/1400
sx cmt, circ to surf

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

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That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOV-
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of, for one (1) day, beginning with the issue of
February 27, 2005 and ending with the issue
of February, 2005.

And that the cost of publishing said notice is the sum of \$ 17.83 _____ which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this 4th day of
March 2005.

Debbie Schilling

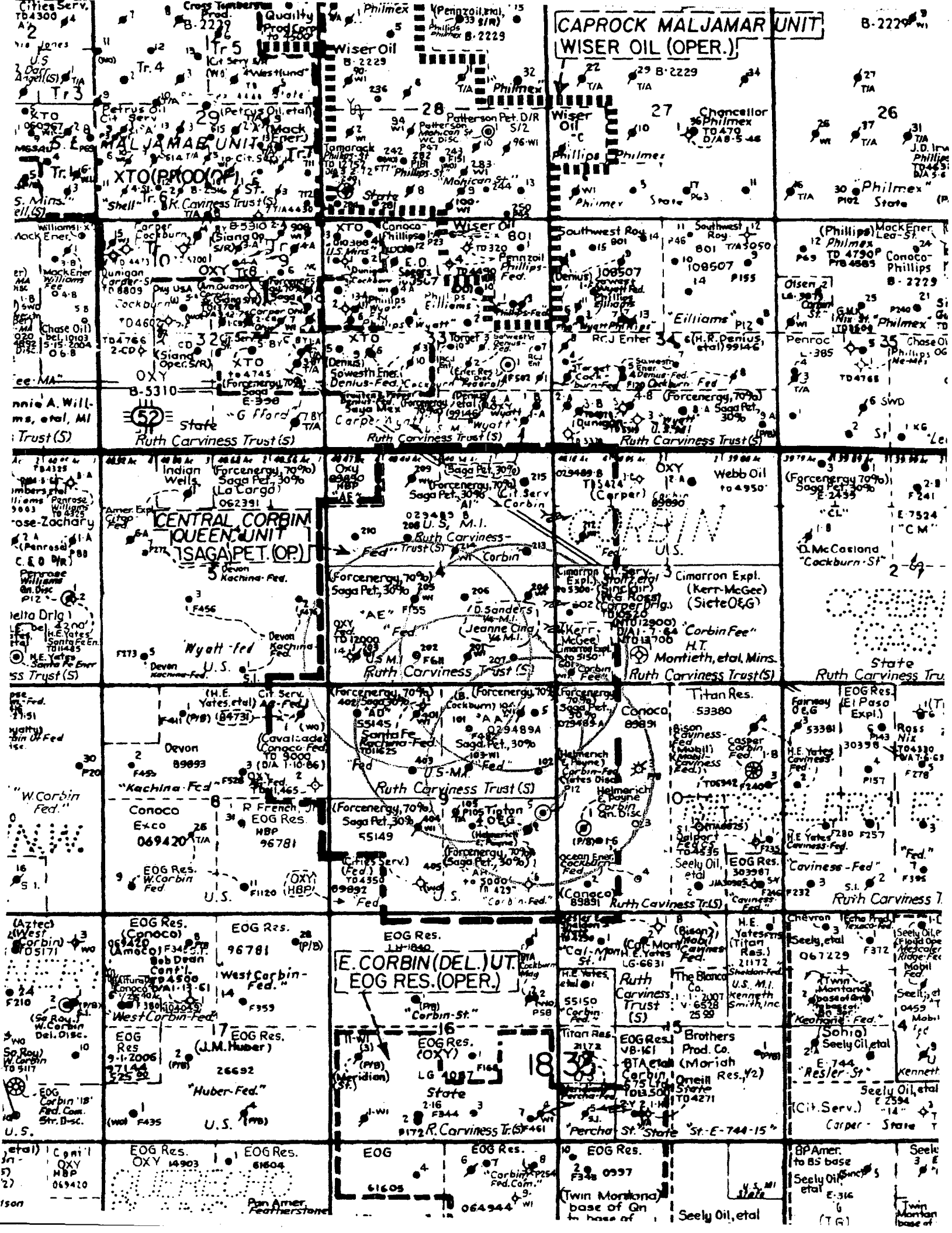
Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2006

LEGAL NOTICE
Conversion To
Water Injection
Well

Latigo Petroleum, 550 W. Texas, Fasken Tower II, Suite 700, Midland, Texas 79701, 915-684-4293, contact Joe N. Clement, has made application for a water injection well with the New Mexico Oil Conservation Commission. The well, known as the Central Corbin Queen Unit #207, is located 660' FSL and 990' FEL., Sec. 4-T18S-R33E, Lea County, New Mexico. Disposal will be into the Queen zone through perforations from 4,203' - 4,227'. Maximum rate and pressure is anticipated to be 500 BWPD and 2000 PSI. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Commission, P.O. Box 2088, Santa Fe, New Mexico 87504 within fifteen (15) days of this notice.

Published in the
Lovington Daily Leader
February 27, 2005.



Offset wells to the Central Corbin Queen Unit #101, #102, #202 & #207								
Well	Location	Surface Casing	Inter. Casing	Prod. Casing	TD	Completions	Type	P&A
Central Corbin Queen Unit #601 Spud 6/12/86	Sec. 3-T18S-R33E Unit M 330' FSL & 330' FWL	8 5/8" @ 1528' w/ 710 sx cmt		5 1/2" @ 5052' w/ 800 sx cmt	TD 5050' PBTD 4278'	4219'-4266'	INU	✓
Central Corbin Queen Unit #602 Spud 7/7/85	Sec. 3-T18S-R33E Unit L 1650' FSL & 330' FWL	8 5/8" @ 1554' w/ 710 sx cmt		5 1/2" @ 5200' w/ 350 sx cmt	TD 5200' PBTD 4350'	4224'-5128'	OIL	✓
Central Corbin Queen Unit #201 Spud 9/27/85	Sec. 4-T18S-R33E Unit O 660' FSL & 1980' FEL	8 5/8" @ 388' w/ 350 sx cmt		5 1/2" @ 4300' w/ 1250 sx cmt	TD 4300' PBTD 4256'	4221'-4241' 4202'-4233'	INU	✓
Central Corbin Queen Unit #202 Spud 9/19/85	Sec. 4-T18S-R33E Unit N 660' FSL & 1980' FWL	8 5/8" @ 394' w/ 350 sx cmt		5 1/2" @ 4300' w/ 1250 sx cmt	TD 4300' PBTD 4256'	4207'-4226'	OIL convert to INJ	✓
Central Corbin Queen Unit #203 Spud 10/1/85	Sec. 4-T18S-R33E Unit M 660' FSL & 660' FWL	8 5/8" @ 378' w/ 250 sx cmt		5 1/2" @ 4325' w/ 1300 sx cmt	TD 4325' PBTD 4279'	3029'-4120' squeezed 4118'-4232'	INU	✓
Central Corbin Queen Unit #205 Spud 10/18/85	Sec. 4-T18S-R33E Unit K 1980' FSL & 1980' FWL	8 5/8" @ 383' w/ 300 sx cmt		5 1/2" @ 4280' w/ 1150 sx cmt	TD 4280' PBTD 4235'	4174'-4180' 4188'-4206'	INU	✓
Central Corbin Queen Unit #206 Spud 12/5/85	Sec. 4-T18S-R33E Unit J FSL & 2067' FEL 1980'	8 5/8" @ 356' w/ 300 sx cmt		5 1/2" @ 4300' w/ 1650 sx cmt	TD 4300' PBTD 4253'	4184'-4215'	OIL	✓
Central Corbin Queen Unit #214 Spud 6/13/86	Sec. 4-T18S-R33E Unit G 2310' FNL & 2310' FEL	8 5/8" @ 352' w/ 350 sx cmt		5 1/2" @ 4983' w/ 1500 sx cmt	TD 5000' PBTD 4928'	4163'-4440'	INU	✓
Central Corbin Queen Unit #204 Spud 9/3/86	Sec. 4-T18S-R33E Unit I 1980' FSL & 660' FEL	8 5/8" @ 350' w/ 300 sx cmt		5 1/2" @ 4350' w/ 1400 sx cmt	TD 4350' PBTD 4314'	4200'-4217' 4178'-4225'	INU	✓
Central Corbin Queen Unit #213 Spud 10/9/86	Sec. 4-T18S-R33E Unit H 2310' FNL & 660' FEL	8 5/8" @ 1500' w/ 700 sx cmt		5 1/2" @ 4983' w/ 1125 sx cmt	TD 5000' PBTD 4864'	4180'-4442'	OIL	✓
Central Corbin Queen Unit #207 Spud 11/6/86	Sec. 4-T18S-R33E Unit P 660' FSL & 990' FEL	8 5/8" @ 396' w/ 300 sx cmt		5 1/2" @ 4523' w/ 1400 sx cmt	TD 4530' PBTD 4478'	4203'-4227'	OIL convert to INJ	✓
PRE-ONGARD WELL #11 Spud N/A	Sec. 4-T18S-R33E Unit D 760' FNL & 660' FWL							✓ Federal AE #7 API 30-025-29782. Never drilled APD expired

Offset wells to the Central Corbin Queen Unit #101, #102, #202 & #207

Well	Location	Surface Casing	Inter. Casing	Prod. Casing	TD	Completions	Type	P&A
Federal AE # 014 Spud 6/1/96	Sec. 4-T18S-R33E Unit M 660' FSL & 510' FWL	13 3/8" @ 415' w/ 450 sx cmt	8 5/8" @ 3006' w/ 1000 sx cmt	5 1/2" @ 12,000' w/ 1450 sx cmt	TD 12,000'	11,281'-11,324'	✓ OIL	P&A'd API 30-025-33366
Federal AE # 015 Spud N/A	Sec. 4-T18S-R33E Unit P 760' FSL & 550' FEL							✓ API 30-025-33520 Never drilled
PRE-ONGARD WELL #006 Spud N/A	Sec. 9-T18S-R33E Unit P 660' FSL & 660' FEL							Corbin #006 API 30-025-01592 dryhole P&A'd NO PLUGGING DATA AVAILABLE
Federal AH # 004 Spud 5/15/45	Sec. 9-T18S-R33E Unit J 1980' FSL & 1980' FEL	12 3/4" @ 275' w/150 sx cmt	8 5/8" @ 1539' w/ 625 sx cmt	5 1/2" @ 4324' w/ 215 sx cmt	TD 4324' PBTD 3520'	3535'-3560' 3468'-3488'	✓ OIL	
Federal AH # 005 Spud 9/18/51	Sec. 9-T18S-R33E Unit I 2310' FSL & 330' FEL	7" @ 1530' w/ 50 sx cmt		5 1/2" @ 3417' w/ 50 sx cmt	TD 4305' PBTD 3464'	4262'-4294' 3417'-3464'	✓ OIL	
PRE-ONGARD WELL #002 Spud 8/6/40	Sec. 9-T18S-R33E Unit I 1980' FSL & 660' FEL	10 3/4" @ 264' w/ 150 sx cmt c/c.		5 1/2" @ 4228' w/ 528 sx cmt.	TD 4350'	Open hole 4228'- 4350'	✓	P&A'd Corbin #002 API 30-025-01595
Central Corbin Queen Unit #101 Spud 10/31/84	Sec. 9-T18S-R33E Unit B 990' FNL & 1980' FEL	13 3/8" @ 430' w/ 420 sx cmt	9 5/8" @ 5100' w/ 3300 sx cmt	5 1/2" @ 13,825' w/ 3100 sx cmt	TD 13,825' PBTD 4850'	4228'-4238'	✓ OIL convert to INJ	
Central Corbin Queen Unit #102 Spud 6/15/85	Sec. 9-T18S-R33E Unit H 1980' FNL & 430' FEL	8 5/8" @ 380' w/ 300 sx cmt		5 1/2" @ 4366' w/ 1550 sx cmt	TD 4375' PBTD 4339'	4270'-4282'	✓ OIL convert to INJ	
Central Corbin Queen Unit #401 Spud 7/1/85	Sec. 9-T18S-R33E Unit C 660' FNL & 1980' FWL	8 5/8" @ 369' w/ 350 sx cmt		5 1/2" @ 4310' w/ 1150 sx cmt	TD 4310' PBTD 4256'	4206'-4232'	✓ INJ	
PRE-ONGARD WELL #003 Spud N/A	Sec. 9-T18S-R33E Unit A 660' FNL & 660' FEL						✓	Federal AE #7 API 30-025-29301 Never drilled
Central Corbin Queen Unit #402 Spud 10/4/85	Sec. 9-T18S-R33E Unit D 660' FNL & 660' FWL	8 5/8" @ 363' w/ 350 sx cmt		5 1/2" @ 4320' w/ 1250 sx cmt	TD 4320' PBTD 4276'	4220'-4255'	✓ OIL	
Central Corbin Queen Unit #403 Spud 12/23/85	Sec. 9-T18S-R33E Unit F 1980' FNL & 1980' FWL	8 5/8" @ 362' w/ 300 sx cmt		5 1/2" @ 4319' w/ 1450 sx cmt	TD 4320' PBTD 4276'	4245'-4253'	✓ OIL	

Check

Offset wells to the Central Corbin Queen Unit #101, #102, #202 & #207								
Well	Location	Surface Casing	Inter. Casing	Prod. Casing	TD	Completions	Type	P&A
Central Corbin Queen Unit #103 Spud 8/19/86	Sec. 9-T18S-R33E Unit G 1980' FNL & 1980' FEL	8 5/8" @ 360' w/ 400 sx cmt		5 1/2" @ 4350' w/ 1400 sx cmt	TD 4350' PBTD 4314'	4236'-4262'	✓ INU	
Central Corbin Queen Unit #404 Spud 9/10/86	Sec. 9-T18S-R33E Unit K 1980' FSL & 1980' FWL	8 5/8" @ 351' w/ 300 sx cmt		5 1/2" @ 4350' w/ 1400 sx cmt	TD 4350' PBTD 4287'	4258'-4271' 4250'-4252'	✓ INU	
Central Corbin Queen Unit #104 Spud 9/19/86	Sec. 9-T18S-R33E Unit A 660' FNL & 790' FEL	8 5/8" @ 375' w/ 300 sx cmt		5 1/2" @ 4325' w/ 1400 sx cmt	TD 4325' PBTD 4312'	4213'-4242' 4244'-4254'	✓ INU	
Central Corbin Queen Unit #105 Spud 5/16/87	Sec. 9-T18S-R33E Unit J 2310' FSL & 2310' FEL	8 5/8" @ 380' w/ 250 sx cmt		5 1/2" @ 4400' w/ 850 sx cmt	TD 4401' PBTD 4400'	4274'-4294'	✓	TAD CIBP @ 4199'
Kachina 9 Federal #001 Spud	Sec. 9-T18S-R33E Unit C 740' FNL & 1730' FWL	13 3/8" @ 468' w/ 500 sx cmt. Circ.	8 5/8" @ 4347' w/ 1700 sx cmt	5 1/2" @ 11,625' w/ 700 sx cmt.	TD 11,625'		✓	API 30-025-31787 PAID
Federal AA #005 Spud 7/29/96	Sec. 9-T18S-R33E Unit A 660' FNL & 510' FEL	13 3/8" @ 409' w/ 425 sx cmt	8 5/8" @ 3015' w/ 1050 sx cmt	5 1/2" @ 12,000' w/ 1550 sx cmt	TD 12,000' PBTD 11,837'	11,261'-11,293'	✓ OIL	
Central Corbin Queen Unit #406 Spud 10/18/04	Sec. 9-T18S-R33E Unit C 150' FNL & 2480' FWL	14" Conductor @ 40'	8 5/8" @ 411' w/ 300 sx cmt	5 1/2" @ 4375' w/ 1255 sx cmt	TD 4395' PBTD 4343'	4212'-4232'	✓ OIL	
Central Corbin Queen Unit #107 Spud 9/22/04	Sec. 9-T18S-R33E Unit H 1400' FSL & 1307' FEL	14" Conductor @ 40'	8 5/8" @ 411' w/ 234 sx cmt	5 1/2" @ 4332' w/ 1815 sx cmt	TD 4332' PBTD 4266'	4212'-4259'	✓ OIL	
Central Corbin Queen Unit #106 Spud 10/5/04	Sec. 9-T18S-R33E Unit A 200' FNL & 1300' FEL	14" Conductor @ 40'	8 5/8" @ 430' w/ 324 sx cmt	5 1/2" @ 4310' w/ 1650 sx cmt	TD 4310' PBTD 4266'	4206'-4220'	✓ OIL	
CORBIN WELL #003 Spud 4/31/41	Sec. 10-T18S-R33E Unit F 1980' FNL & 1980' FWL	10 3/4" @ 295' w/ 150 sx cmt		5 1/2" @ 4203' w/ 528 sx cmt	TD 4327'	3405'-3456' 4203'-4327'	✓	Corbin #003 API 30-025-01597 PAID
CORBIN WELL #001 Spud 12/28/37	Sec. 10-T18S-R33E Unit L 1980' FSL & 660' FWL	13" @ 300' w/ 275 sx cmt	9 5/8" @ 1818' w/ 350 sx cmt	7" @ 4021' w/ 100 sx cmt	TD 5112'	4258'-4315'	✓	Corbin #001 API 30-025-01598 PAID

OK

Offset wells to the Central Corbin Queen Unit #101, #102, #202 & #207

[illegible]

30-025-01598

HSP - CORBIN FEDERAL #1
1980' FSL & 660' FHL SEC 10 T18S R33E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: 3984'

DATE DRILLED : 8/38

13" SURFACE CASING @ 303'
CMTD W/ 275 SX CMT CIRC

PLUGGING DATA NOT AVAILABLE AT
AT THIS TIME

9 5/8" INTERMEDIATE CASING @ 1618'
CMTD W/ 350 SX

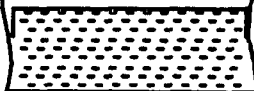
	SURFACE	INTERMED	PRODUCTION
SIZE	13 "	9 5/8"	7 "
WEIGHT	N.A.	N.A.	N.A.
GRADE	N.A.	N.A.	N.A.
THREAD	N.A.	N.A.	N.A.
DEPTH	303'	1618'	4021'

7 " CASING @ 4021' CMTD W/ 100 SX

PREP'D BY: SCOTT E. GENGLER
DATE : JULY 26, 1990

PBTD @ 4320'

TD @ 5118'



B. COCKBURN - CORBIN #6
660' FSL & FEL SEC 9 T18S R33E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: N.A.

DATE DRILLED : 5/55

8 5/8" SURFACE CASING @ 1525'
CMTD W/ 100 SX

PLUGGING DATA NOT AVAILABLE AT
THIS TIME

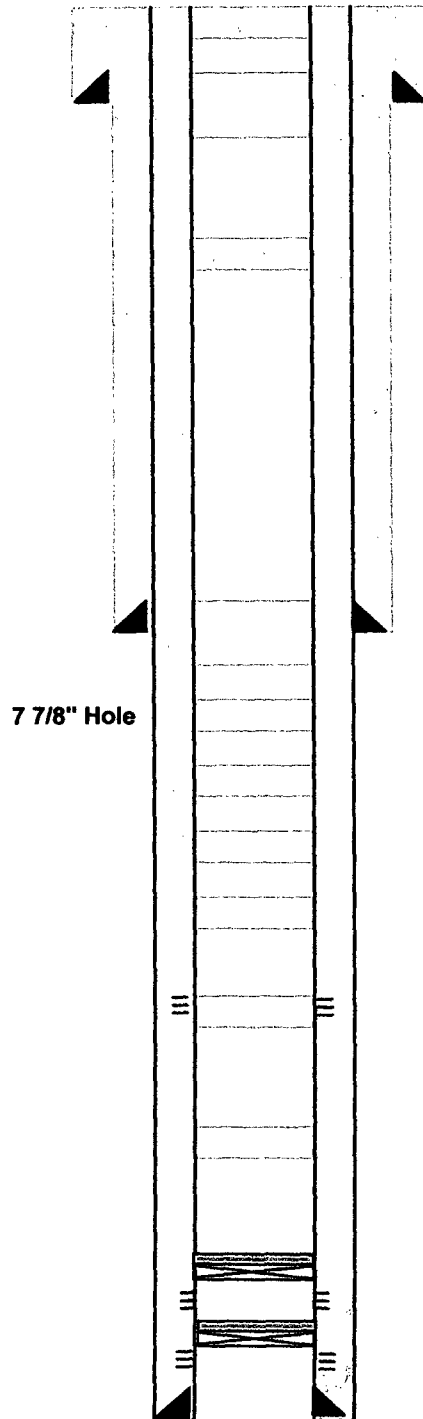
	SURFACE	PRODUCTION	
SIZE	8 5/8"		
WEIGHT	N.A.		
GRADE	N.A.		
THREAD	N.A.		
DEPTH	1525'		

PREPARED BY: SCOTT E. GENGLER
DATE : JULY 26, 1990

TD @ 4927'

Federal AE #14
 660' FSL & 510' FWL
 Sec 4, T18S, R33E Unit M
 Lea County, NM
 API No. 30-025-33366

Spud Date: 6/2/96



TD 12,000'

17 1/2" Hole

10 sx cmt plug 0' - 90'
 13 3/8" 48# csg @ 415' w/450
 sx cmt, circ 50 sx to pit
 20 sx cmt plug 365' - 465'

20 sx cmt plug 1450' - 1550'

12 1/4" Hole

Set 8 5/8" 24 & 32# csg @ 3006' w/1000
 sx cmt, circ 60 sx cmt to pit

25 sx cmt plug 2956' - 3150'

20 sx cmt plug 4170' - 4270'

20 sx cmt plug 4650' - 4750'

20 sx cmt plug 5221' - 5321'

20 sx cmt plug 5721' - 5821'

35 sx cmt plug 6660' - 6906'
 Perf Bone Springs 6710' - 6906'

20 sx cmt plug 9780' - 9880'

Set CIBP @ 10,697', dump 5 sx cmt on top
 Perf Wolfcamp 10737' - 10914'

Set CIBP @ 11,250' dump 5 sx cmt on top
 Perf Wolfcamp 11281' - 11324'

Set 5 1/2" 17 & 20# csg @ 12,000'
 w/1450 sx cmt, circ 75 sx cmt to pit

H&P - CORBIN FEDERAL #2
1980' FSL & 660' FEL SEC 9 T18S R33E
LEA COUNTY, NEW MEXICO

ELEVATION: KB: N.A.
GL: 3982'

DATE DRILLED : 10/40

10 3/4" SURFACE CASING @ 264'
CMTD W/ 150 SX CMT CIRC

500 SX PLUG (825' - 0')

	SURFACE	PRODUCTION	
SIZE	10 3/4"	5 1/2"	
WEIGHT	N.A.	N.A.	
GRADE	N.A.	N.A.	
THREAD	N.A.	N.A.	
DEPTH	264'	4228'	

200 SX PLUG (4228' - 2278')

5 1/2" CS6 @ 4228' CMTD W/ 528 SX

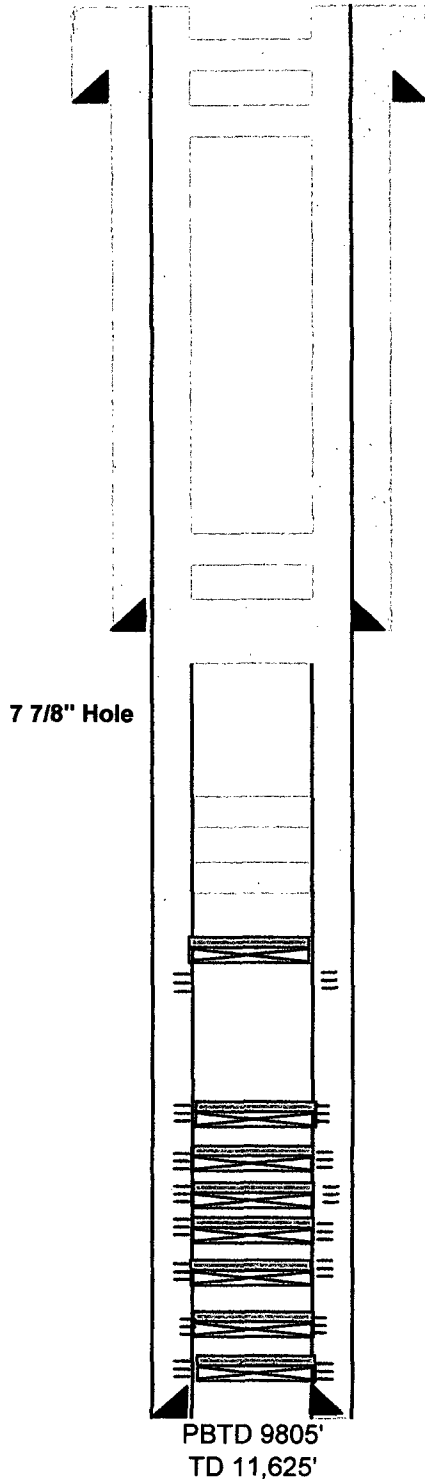
PREPRD BY: SCOTT E. GENGLER
DATE : JULY 24, 1990

TD @ 4350'

Kachina 9 Federal #1

740' FNL & 1730' FWL
Sec9, T18S, R33E Unit C
Lea County, NM
API No. 30-025-31787

Spud Date: 11/23/92



17 1/2" Hole

10 sx cmt plug 2 jts down, circ to surf
13 3/8" csg @ 468' w/500
sx cmt, circ 25 sx to pit
30 sx cmt plug 520'

20 sx cmt plug 1450' - 1550'

12 1/4" Hole

Set 8 5/8" 32# csg @ 4349' w/1700
sx cmt, circ 30 sx cmt to pit

30 sx cmt plug @ 3450'

140 sx cmt plug @ 4450'

55 sx cmt plug @ 5450'

65 sx cmt plug 6950'

Set CIBP @ 8715', spot 20 sx cmt
Perf Bone Springs 8752' - 8780'

Set CIBP @ 9840', cap w/35' cmt

Perf Wolfcamp 10,704' - 10730'

Set CIBP @ 10,780', cap w/10' cmt

Perf Wolfcamp 10,798' - 10804'

Set CIBP @ 10,960, cap w/10' cmt

Perf Wolfcamp 10,975' - 11,034'

Set CIBP 11,200', cap w/35' cmt

Perf Wolfcamp 11,214' - 11266'

Set CIBP @ 11,295', cap w/10' cmt

Perf Wolfcamp 11,304' - 11,337'

Set CIBP @ 11,360', cap w/10' cmt

Perf Wolfcamp 11,368' - 11,436'

Set CIBP @ 11,4650' cap w/10' cmt

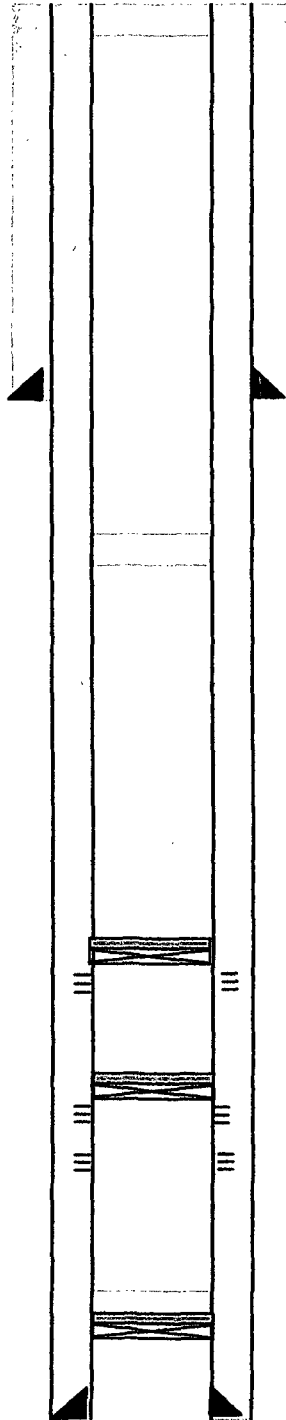
Perf Wolfcamp 11,478' - 11,484'

Set 5 1/2" 17# csg @ 11,625'

w/950 sx cmt, circ

Corbin #3
1980' FNL & 1980' FWL
Sec10, T18S, R33E Unit F
Lea County, NM
API No. 30-025-01597

Spud Date: 4/3/41



PBTD 4160'
TD 4327'

Cmt surface plug 100' to surface

10 3/4" csg @ 295' w/150
sx cmt

Spot 25 sx plug 1650' - 1450'

Set cmt retainer @ 3350', spot 75 sx
Cl 'C' on top of retainer
Perf 3408' - 3410', set cmt ret @ 3307'
acdz w/15% acid, drill ret & cmt,
Perf 3405' - 3456'

Set Cmt retainer @ 4170' w/10' cmt
above retainer

Set 5 1/2" @ 4203' w/528 sx cmt

DATE: 2/23/05

OMEGA TREATING CHEMICALS, INC.
2605 GARDEN CITY HYW.
MIDLAND, TEXAS 79701

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO

LEASE NAME: CQU INJECTION STATION

WELL#\SAMPLE POINT:

1. WELLHEAD pH	7.36
2. H2S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	2520.00 Mg/L
4. MAGNESIUM (Mg)	3013.20 Mg/L
5. IRON (Fe)	5.43 PPM
6. SODIUM	59723.23 Mg/L
7. CHLORIDE (Cl)	103660.00 Mg/L
8. BICARBONATE (HCO3)	244.00 Mg/L
9. SULFATE (SO4)	2191.0 Mg/L
10. TOTAL HARDNESS	18700.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	171356.86 Mg/L
12. RESISTIVITY	0.04
13. CARBONATE SCALING TENDENCY	0.91
14. SULFATE SCALING TENDENCY	-33.80

BOPD ____

BWPD ____

REMARKS: _____

COPIES TO: _____

DATE: 2/23/05

OMEGA TREATING CHEMICALS, INC.
2605 GARDEN CITY HYW.
MIDLAND, TEXAS 79701

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO

LEASE NAME: 3C WATER STATION

WELL#\SAMPLE POINT:

1. WELLHEAD pH	7.71
2. H ₂ S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	640.00 Mg/L
4. MAGNESIUM (Mg)	340.20 Mg/L
5. IRON (Fe)	0.54 PPM
6. SODIUM	615.49 Mg/L
7. CHLORIDE (Cl)	1420.00 Mg/L
8. BICARBONATE (HCO ₃)	61.00 Mg/L
9. SULFATE (SO ₄)	5.6 Mg/L
10. TOTAL HARDNESS	3000.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	3082.83 Mg/L
12. RESISTIVITY	1.41
13. CARBONATE SCALING TENDENCY	0.62
14. SULFATE SCALING TENDENCY	-23.43

BOPD ____

BWPD ____

REMARKS: _____

COPIES TO: _____

LATIGO

Petroleum, Inc.

Fasken Center Tower II • 550 W. Texas, Suite 700 • Midland, Texas 79701 • 432-684-4293 • 432-684-0829 FAX

March 4, 2005

Tipton Oil & Gas Acquisitions, Inc.
P. O. Box 1234
Lovington, NM 88260

Re: Intent to convert production well to injection
CCQU # 101, #102, #202 & #207

To Whom It May Concern:

The New Mexico Oil Conservation Division requires that all surface owners and leasehold operators, within a one-half mile radius, of the proposed injection well location be sent copies of the Application for Authority to Inject. Attached you will find copies of applications, Form C-108, that are being filed with the New Mexico Oil Conservation Division. Latigo Petroleum proposes to convert the four wells shown above, originally drilled for production purposes, to injection wells.

Very truly yours,



Donna Huddleston
Production Analyst

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY						
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>						
<p>1. Article Addressed to:</p> <p style="text-align: center; margin-top: 20px;">Tipton Oil & Gas Acquisitions, Inc. P. O. Box 1234 Lovington, NM 88260</p>	<p>B. Received by (Printed Name) C. Date of Delivery</p>						
<p>2. Article Number (Transfer from service label)</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>						
<p>3. Service Type</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Certified Mail</td> <td><input type="checkbox"/> Express Mail</td> </tr> <tr> <td><input type="checkbox"/> Registered</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td><input type="checkbox"/> C.O.D.</td> </tr> </table>		<input type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail	<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.
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<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.						
<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>							

PS Form 3811, August 2001
Domestic Return Receipt
2ACPRI-03-P-4081



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For delivery information visit our website at www.usps.com											
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<table style="width: 100%;"> <tr> <td>Postage</td> <td>\$</td> </tr> <tr> <td>Certified Fee</td> <td></td> </tr> <tr> <td>Return Receipt Fee (Endorsement Required)</td> <td></td> </tr> <tr> <td>Restricted Delivery Fee (Endorsement Required)</td> <td></td> </tr> <tr> <td>Total Postage & Fees</td> <td>\$</td> </tr> </table>	Postage	\$	Certified Fee		Return Receipt Fee (Endorsement Required)		Restricted Delivery Fee (Endorsement Required)		Total Postage & Fees	\$	Postmark Here
Postage	\$										
Certified Fee											
Return Receipt Fee (Endorsement Required)											
Restricted Delivery Fee (Endorsement Required)											
Total Postage & Fees	\$										
<p>Sent To Tipton Oil & Gas Acquisitions, Inc.</p> <p>Street, Apt. No., or PO Box No. P. O. Box 1234</p> <p>City, State, ZIP+4 Lovington, NM 88260</p>											
<div style="display: flex; justify-content: space-between;"> PS Form 3800, June 2002 See Reverse for Instructions </div>											



Fasken Center Tower II • 550 W. Texas, Suite 700 • Midland, Texas 79701 • 432-684-4293 • 432-684-0829 FAX

March 4, 2005

Caviness Cattle Company
HC-71, Box 177
Maljmar, NM 88260

Re: Intent to convert production well to injection
CCQU # 101, #102, #202 & #207

To Whom It May Concern:

The New Mexico Oil Conservation Division requires that all surface owners and leasehold operators, within a one-half mile radius, of the proposed injection well location be sent copies of the Application for Authority to Inject. Attached you will find copies of applications, Form C-108, that are being filed with the New Mexico Oil Conservation Division. Latigo Petroleum proposes to convert the four wells shown above, originally drilled for production purposes, to injection wells.

Very truly yours,

Donna Huddleston
Production Analyst

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Caviness Cattle Company
 HC-71, Box 177
 Maljmar, NM 88260

2. Article Number

(Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY
A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)
C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
 if YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

- ☐ Yes

PS Form 3811, August 2001

Domestic Return Receipt

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 OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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Total Postage & Fees \$

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Sent To

Caviness Cattle Company

Street, Apt. No.,
 or PO Box No. HC-71, Box 177

City, State, ZIP+4 Maljmar, NM 88260

PS Form 3800, June 2002

See Reverse for Instructions



Fasken Center Tower II • 550 W. Texas, Suite 700 • Midland, Texas 79701 • 432-684-4293 • 432-684-0829 FAX

March 4, 2005

Devon Louisiana Corporation
20 North Broadway, Ste 1500
Oklahoma City, OK 73102

Re: Intent to convert production well to injection
CCQU # 101, #102, #202 & #207

To Whom It May Concern:

The New Mexico Oil Conservation Division requires that all surface owners and leasehold operators, within a one-half mile radius, of the proposed injection well location be sent copies of the Application for Authority to Inject. Attached you will find copies of applications, Form C-108, that are being filed with the New Mexico Oil Conservation Division. Latigo Petroleum proposes to convert the four wells shown above, originally drilled for production purposes, to injection wells.

Very truly yours,

A handwritten signature in cursive script that reads "Donna Huddleston".

Donna Huddleston
Production Analyst

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature X</p> <p style="text-align: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>Devon Louisiana Corporation 20 North Broadway, Ste 1500 Oklahoma City, OK 73102</p>		<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery</p>
<p>2. Article Number (Transfer from service label)</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

PS Form 3811, August 2001

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OFFICIAL USE	
<p>U.S. Postal Service[™] RECEIPT</p> <p>(Domestic Mail Only; No Insurance Coverage Provided)</p>	
<p>For delivery information visit our website at www.usps.com</p>	
<p>Sent To: Devon Louisiana Corporation Street, Apt. No., or PO Box No.: 20 North Broadway, Ste 1500 City, State, ZIP+4: Oklahoma City, OK 73102</p>	
<p>PS Form 3800, June 2002 See Reverse for Instructions</p>	

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

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