

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-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 _____

- [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

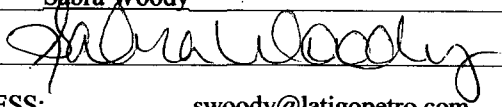
Signature

Title

Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. OPERATOR: Latigo Petroleum, Inc.
ADDRESS: 550 W. Texas, Ste. 700, Midland, TX 79707
CONTACT PARTY: Sabra Woody PHONE: (432) 684-4293
- 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: _____
- 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: Sabra Woody TITLE: Engineering Technician
SIGNATURE:  DATE: 07/07/2005
E-MAIL ADDRESS: swoody@latigopetro.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: _____

INJECTION WELL DATA SHEET

OPERATOR: Latigo Petroleum, Inc.WELL NAME & NUMBER: G H Matix B Federal #1WELL LOCATION: 460' FNL & 1980' FWL C 3 24S 37E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface CasingHole Size: 12-1/4" Casing Size: 8-5/8"Cemented with: 635 SX. or ft³Top of Cement: Surface Method Determined: CircIntermediate CasingHole Size: Casing Size: Cemented with: SX. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7-7/8" Casing Size: 5-1/2"Cemented with: 1225 SX. or ft³Top of Cement: Surface Method Determined: CircTotal Depth: 6000'Injection Interval5,090 feet to 5,752 (Perfs)

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

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

Type of Packer: Baker AD-1

Packer Setting Depth: 5,050'

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? Oil Producer

2. Name of the Injection Formation: Paddock-Blinbry
3. Name of Field or Pool (if applicable): Teague
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 Diagram

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
- | | | | |
|---------------------------|--------------|-------------|--------------|
| <u>Yates</u> | <u>2807'</u> | <u>Tubb</u> | <u>5984'</u> |
| <u>Queen-Penrose Sand</u> | <u>3408'</u> | | |
| <u>Glorieta</u> | <u>5074'</u> | | |

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 G H Mattix Federal B #1. This investigation has further shown that this well has a good cement seal around the casing shoe and will therefore prevent the upward migration of the disposed water into any potable water zone.
- VII. The proposed average daily injection rate for the subject well is 300 BWPD; the maximum daily injection rate would be 500 BWPD. This is an open system with an average pressure of 1500 and a maximum pressure of 2000 psi. Only produced water will be injected in the proposed well, so incompatibility will not be a problem.
- VIII. The injection zone is the Paddock-Blinbry zone between 5,090' and 5,752'. The source of fresh water in this area is the Santa Rosa formation between 350' and 650'. 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 10 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 approximately 5,100' northeast of the proposed injector.
- 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.
-

Well Schematic and History

G.H. Mattix "B" Well: 1 Field: Teague
 Location: 460' From North Line and 1980' From West Line
Unit C, Section 3 - T24S - R37E County: Lea State: New Mexico
 API No.: 30-025-31770 Spud Date: 4/27/1993
 Compl. Date: 5/26/1993
 GL: 3260'
 DF: _____
 KB: 3276'

SURF CSG

8 5/8" 24# J55 @ 1192'
 Cmt'd w/ 635 sx (12 1/4" hole)
 TOC @ surface by circ.

DV tool @ 4371'
 Cmt'd w/ 950 sx, circulated

Paddock perms 5090-5126'

Paddock perms 5142-5182'

Blinebry perms 5314-5468'

Blinebry perms 5578-5752'

PROD CSG

5 1/2" 15.5# J55 @ 5999'
 Cmt'd w/ 275sx-950 sx (7 7/8" hole)
 No cement circulated thru DV tool

DATE INITIAL COMPLETION DATA:

5/19/93 PERF Blinebry 5578-79', 5628-29' (4 holes)

Acidized w/ 800 gal. 15%, ISIP 1350#, avg. 2800# @ 3.5 BPM

PERF Blinebry 5650-62', 5731', 5743-52' (22 holes)

Acidized w/ 4400 gal. 15%, ISIP 1400#, avg. 2400# @ 3.5 BPM

5/19/93 PERF Blinebry 5314-18', 21-24, 32-36, 38-41, 42-46, 65-69, 5374-78', 82-88, 5414-22, 25-30, 63-68' (50 holes)

Acidized w/ 4410 gal. 15%, ISIP 1250#, avg. 2100# @ 4.9 BPM

Frac'd Upper and Lower w/ 72000 gal. Gel w/ 3% diesel and

135480# 16/30 sd. ISIP 1700#, avg. 1900# @ 50 BPM

IP flowing 61 BO, 112 MCF, 387 BW

7/21/00 PERF Paddock 5142'-49', 5155'-59', 5162'-63', 5178'-82'

Acidize w/ 500 gal, ISIP 1400#, 15 min vac, pumped 0 BO, 152 BW

8/31/00 PERF Paddock 5090'-94', 5107', 5112' & 5120'-26' (14 holes)

Acidize w/ 75 gal, O# @ 1 BPM, ISIP vac, IFL @ 2100'

C/N swab below 2100', swabbed all water

5/21/03 TA Well

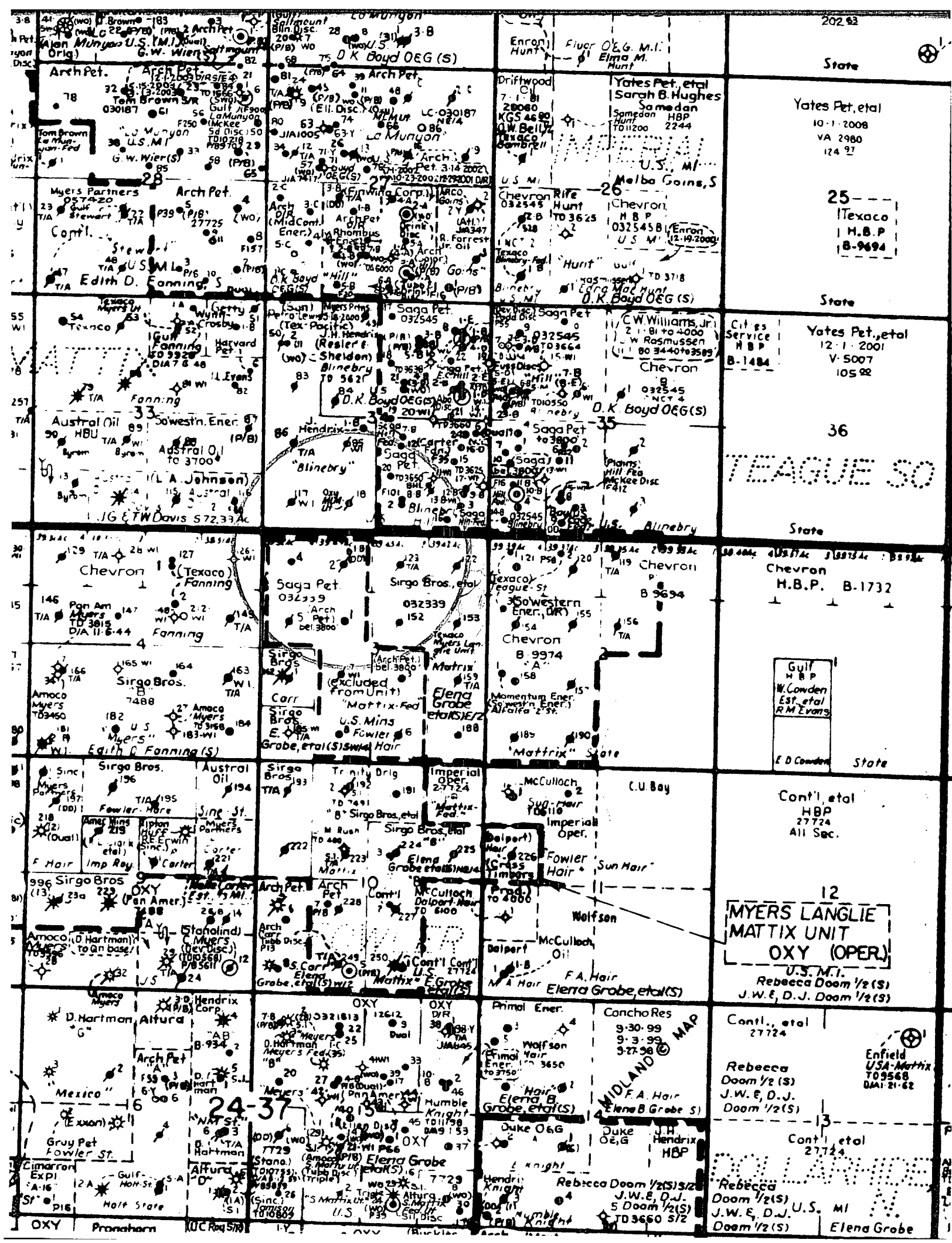
RIH w/gauge ring tag @ 5135', RIH w/bailer dump 2 sx cmt,

POH bailer, RIH w/plug & set @ 5040', load csg w/26 bbls

& pressure up to 500 psi, hold for 10 mins.

CIBP @ 5135'

3600
 2100
 3990 / further c 1007
 ~ 1400 PSI initial
 BHP



Offset wells to the G H MATTIX "B" #1								
Well	Location	Surface Casing	Inter. Casing	Prod. Casing	TD	Completions	Type	P&A
G H Mattix Well #002 Spud 1/13/51	Sec. 3-T24S-R37E Unit C 658' FNL & 1964' FWL	13 3/8" @ 312' w/ 175 sx cmt		7" @ 3309' w/ 875 sx cmt	TD 3605'	3309 - 3605'	INU	
G H Mattix Well #004 Spud 10/19/61	Sec. 3-T24S-R37E Unit D 657' FNL & 654' FWL	9 5/8" @ 306' w/ 300 sx cmt		7" @ 3675' w/ 1000 sx cmt	TD 3675'	3501 - 3612'	INU	
G H Mattix Well #005 Spud 11/2/61	Sec. 3-T24S-R37E Unit E 1969' FNL & 655' FWL	9 5/8" @ 308' w/ 300 sx cmt		7" @ 3665' w/ 900 sx cmt	TD 3667'	3496 - 3614'	INU	
Myers Langlie Mattix Unit #122 Spud 8/12/50	Sec. 3-T24S-R37E Unit A 660' FNL & 660' FEL	10 3/4" @ 256' w/140 sx cmt		7" @ 3320' w/ 750 sx cmt	TD 3610'	3320 - 3610'	P & A	See attached schematic
Myers Langlie Mattix Unit #123 Spud 9/22/50	Sec. 3-T24S-R37E Unit B 660' FNL & 1980' FEL	10 3/4" @ 254' w/150 sx cmt		7" @ 3321' w/ 800 sx cmt	TD 3564'	3321 - 3564'	Oil	TA'd CIBP @ 3275'
G H Mattix Well #001 Spud 4/3/35	Sec. 3-T24S-R37E Unit F 1975' FNL & 1966' FWL	13" @ 200'	8 3/4" @1294' w/ 300 sx cmt.	7" @ 3407' w/ 400 sx cmt	TD 3913'	3500 - 3648'	Oil	
Myers Langlie Mattix Unit #152 Spud 10/07/51	Sec. 3-T24S-R37E Unit G 1974' FNL & 1984' FEL	10 3/4" @ 287' w/150 sx cmt		7" @ 3325' w/ 700 sx cmt	TD 3660'	3420 - 3590'	P&A	See attached schematic
Myers Langlie Mattix Unit #126 Spud 10/14/81	Sec. 4-T24S-R37E Unit A 660' FNL & 660' FEL	8 5/8" @ 501' w/350 sx cmt		5 1/2" @ 3671' w/ 1000 sx cmt	TD 3675'	3387 - 3637'	INU	
Myers Langlie Mattix Unit #117 Spud 7/6/78	Sec.34-T23S-R37E Unit M 660' FSL & 660' FWL	13" @ 336' w/250 sx cmt	9 5/8" @ 2540' w/ 500 sx cmt	7" @ 3435' w/ 650 sx cmt	TD 3700'	3439 - 3564'	INU	
Myers Langlie Mattix Unit #118 Spud 11/8/50	Sec.34-T23S-R37E Unit N 660' FSL & 1980' FWL	10 3/4" @ 295' w/150 sx cmt	DV @ 1095' w/ 200 sx	5 1/2" @ 3306' w/ 200 sx cmt	TD 3570'	3306 - 3570'	P&A	See attached schematic
Myers Langlie Mattix Unit #85 Spud 6/14/61	Sec.34-T23S-R37E Unit K 1980' FSL & 1880' FWL	8 5/8" @ 350' w/300 sx cmt		5 1/2" @ 3572' w/ 300 sx cmt	TD 3572'	3360 - 3559'	P&A	See attached schematic
Myers Langlie Mattix Unit #86 Spud 5/20/61	Sec.34-T23S-R37E Unit L 1980' FSL & 660' FWL	8 5/8" @ 331' w/300 sx cmt		5 1/2" @ 3595' w/ 300 sx cmt	TD 3595'	3422 - 3522'	INU	

Offset wells to the G H MATTIX "B" #1

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON ~~WELLS~~, NM 88240

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

Injection

2. Name of Operator

OXY USA WTP Limited Partnership

192463

3a. Address

P.O. Box 50250, Midland, TX 79710-0250

3b. Phone No. (include area code)

915-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FNL 660 FEL NENE(A) Sec 3 T24S R37E

5. Lease Serial No.

NM27722

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or
Myers Langlie Mattix Unit

8. Well Name and No.

122

9. API Well No.

30-025-10993

10. Field and Pool, or Exploratory Area
Langlie Mattix 7Rvr Qn-GB

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

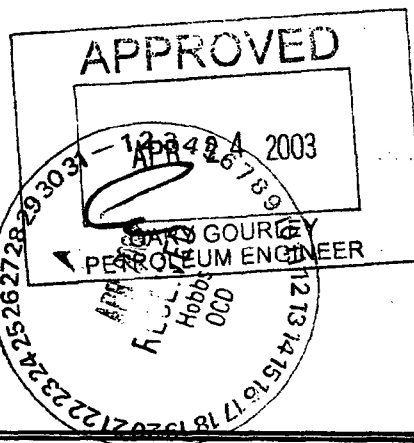
- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

TD-3610' PBD-3155' OH-3320-3610'
CIBP @ 3190' w/ 35' cmt - 8/98

10-3/4" 40# csg @ 256' w/ 140sx, 13-3/4" hole, TOC-Circ
7" 20# csg @ 3320' w/ 750sx, 8-3/4" hole, TOC-Circ

1. RIH & tag cmt @ 3155'
2. M&P 25sx cmt @ 2750-2650'
3. M&P 25sx cmt @ 1100-1000'
4. M&P 25sx cmt @ 306-206' -WOC-TAG
5. M&P 15sx cmt surface plug
10# MLF between plugs



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title

Sr. Regulatory Analyst

Date

4/22/03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Harry W. Wink

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OXY USA WTP LP
Myers Langile Mattix Unit #122
Sec 3 T24S R37E Lea Cty, NM
API No. 80-025-10993

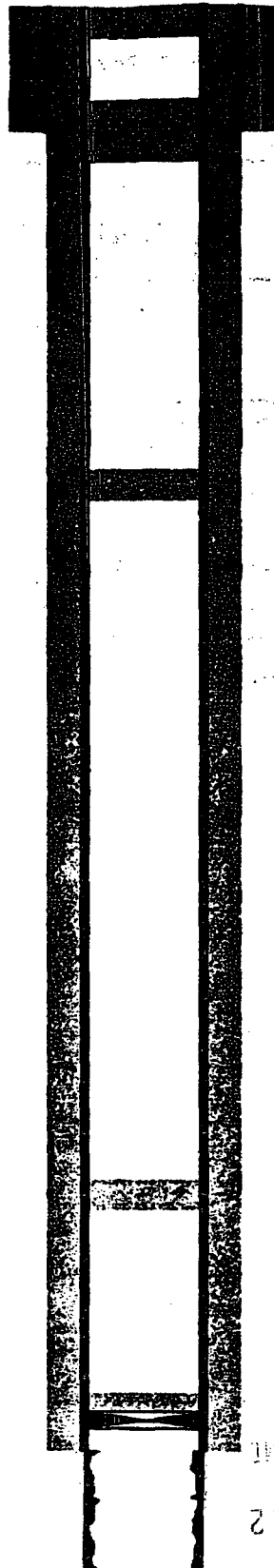
15sx Surface

25sx @ 306-206'

25sx @ 1100-1000'

25sx @ 2750-2650'

8/98-CIBP @ 3190'
w/ 35' cmt
PBTD-3155'



13-3/4" hole @ 256'
10-3/4" csg @ 256'
w/ 140sx-TOC-Circ

8-3/4" hole @ 3320'
7" csg @ 3320'
w/ 750sx-TOC-Circ

6-1/4" hole @ 3610'

BUREAU OF LAND MANAGEMENT
ROSWELL OFFICE

2003 APR 23 AM 8:12

RECEIVED

TD-3610

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires November 30, 2000

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

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☐ Oil Well ☐ Gas Well ☒ Other

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OCY USA WTP Limited Partnership

192463

3a. Address

P.O. Box 50250, Midland, TX 79710-0250

3b. Phone No. (include area code)

915-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1974 FNL 1984 FEL SWNE (G) Sec 3 T24S R37E

7. If Unit or CA/Agreement, Name and/or:
Myers Langlie Mattix Unit

8. Well Name and No.

152

9. API Well No.

30-025-10991

10. Field and Pool, or Exploratory Area

Langlie Mattix 7Rvr Qn-GB

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
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| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
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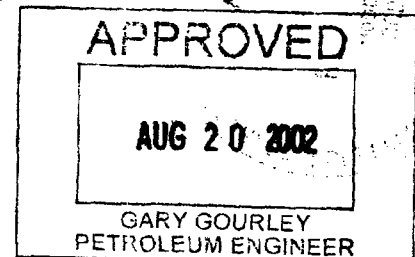
TD-3660' PBTD-3618' PERFS-3426-3590'

10-3/4" 40# csg @ 287' W/ 150sx, 12-1/4" hole, TOC-Circ

7" 23# csg @ 3325' W/ 700sx, 8-3/4" hole, TOC-Circ

4-1/2" 10.5# liner @ 3132-3659' W/ 400sx, 6-1/8" hole, TOC-3132'-Circ

1. RIH & set CIBP @ 3376', M&P 10sx cmt to 3275'
2. M&P 25sx cmt @ 3182-3082'
3. M&P 25sx cmt @ 2830-2730'
4. M&P 25sx cmt @ 1469-1369'
5. M&P 25sx cmt @ 337-237', WOC-TAG
6. M&P 10sx cmt surface plug
- 10# MLF between plugs



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title

Sr. Regulatory Analyst

Date

7/25/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Lang W. Wink

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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OXY USA INC. PROPOSED
MYERS LANGLEY MATIX UT 152
SEC 3 T24S R37E LEA NM

0.0 - 45.0' CEMENT PLUG 10sx
237.0 - 337.0' CEMENT PLUG 25sx

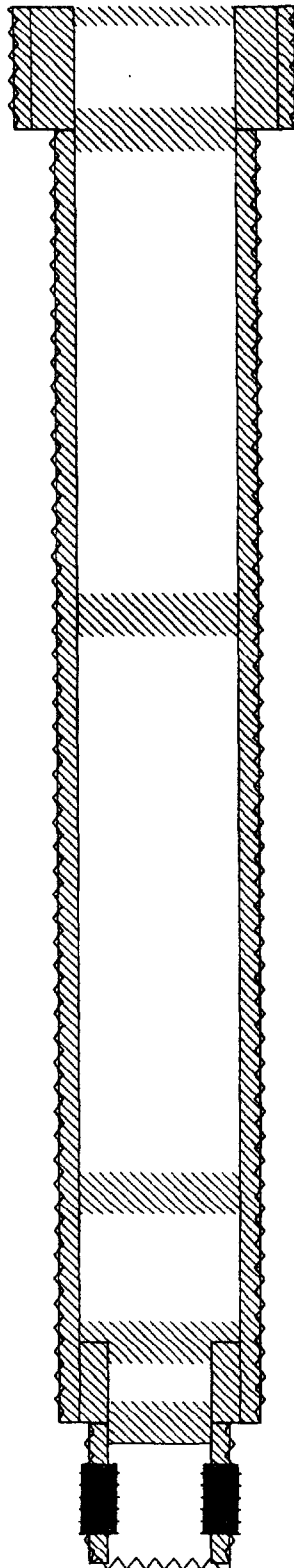
1369.0 - 1469.0' CEMENT PLUG 25sx

3082.0 - 3182.0' CEMENT PLUG 25sx

2730.0 - 2830.0' CEMENT PLUG 25sx

3275.0 - 3376.0' CEMENT PLUG 10sx

3376.0 - 3376.0' CIBP



TD: 3660'

0.0 - 287.0' 12-1/4" OD HOLE
0.0 - 287.0' CEMENT 150sx-CIRC
0.0 - 287.0' 10-3/4" OD SURF CSG

287.0 - 3325.0' 8-3/4" OD HOLE
0.0 - 3325.0' CEMENT 700sx-CIRC
0.0 - 3325.0' 7" OD PROD CSG

3325.0 - 3660.0' 6-1/8" OD HOLE
3132.0 - 3659.0' CEMENT 400sx-CIRC
3132.0 - 3659.0' 4-1/2" OD LINER

3426.0 - 3590.0' ABANDONED PERFS

7800-1-10-10
CEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons
P.O. x 1980
Hobbs, NM 8824

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

OXY USA Inc.

16696

3. Address and Telephone No.

P.O. Box 50250 Midland, TX 79710-0250

915-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FSL 1980 FWL SE SW (N) Sec 34 T23S R37E

5. Lease Designation and Serial No.

8910138170 - LC 065722

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Myers Langlie Mattix Unit
011007

8. Well Name and No.

118

9. API Well No.

30-025-10952

10. Field and Pool, or Exploratory Area

Langlie Mattix 7 Rvr Q-G

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See other side

14. I hereby certify that the foregoing is true and correct

Signed

David Stewart

Title

David Stewart

Regulatory Analyst

Date

2/18/98

(This space for Federal or State office use)

(ORIG. SGD.) ALEXIS C. SWOBODA

Approved by

Conditions of approval, if any:

Title

PETROLEUM ENGINEER

Date

FEB 25 1998

Attached

ATTACHMENT 3160-5
OXY USA INC.
MYERS LANGLIE MATTIX UNIT #118
SEC 34 T238 R37E
LEA COUNTY, NM

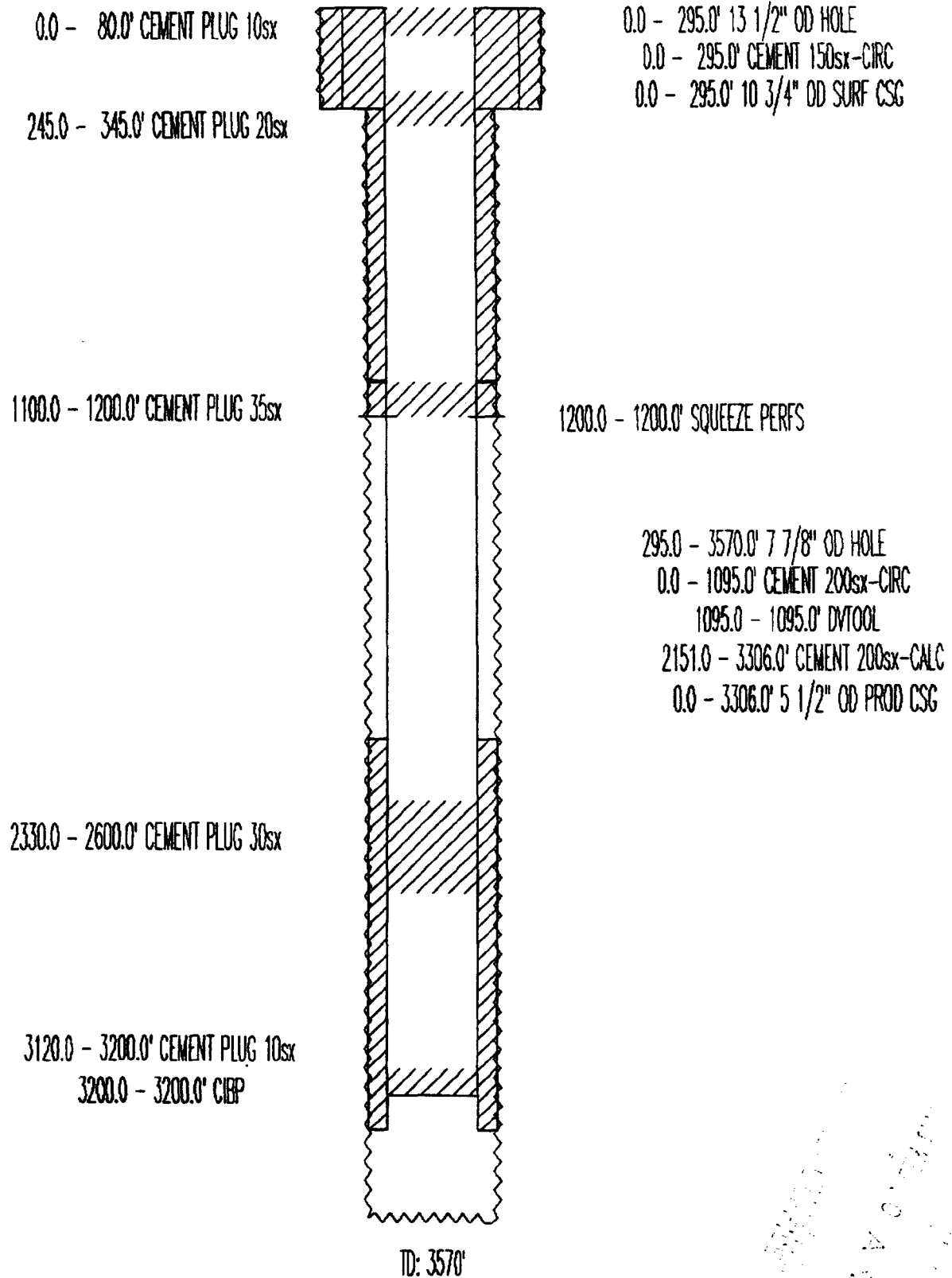
TD - 3570' OPEN HOLE - 3306-3570'

CASING: 10-3/4" 32# @ 295', 13-1/2", cmt w/150sx (TOC-SURF-CIRC)
5-1/2" 17# @ 3306' CMT W/200sx, DV @ 1095' W/200sx, 7-7/8",
(TOC-2151'-CALC) (TOC-SURF-CIRC)
CIBP @ 3200'

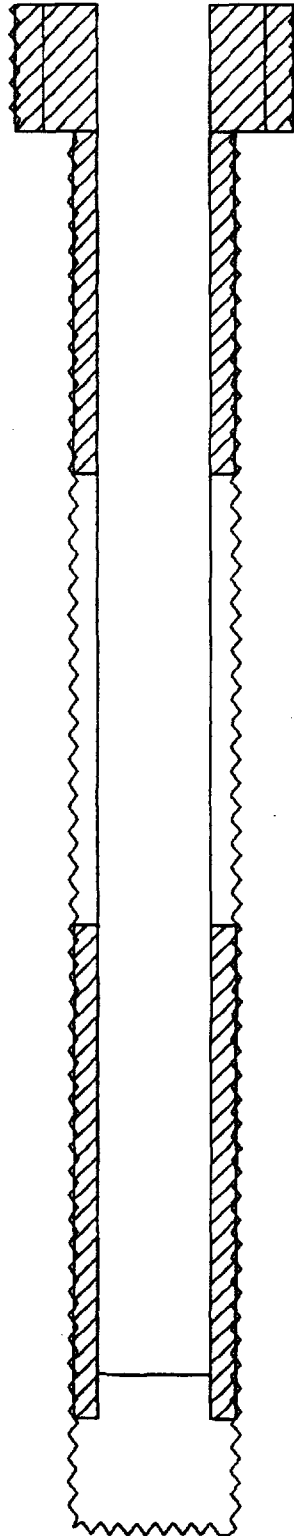
1. MIRU PU, NDWH, NUBOP. RIH & TAG CIBP @ 3200'. SPOT 10sx CMT ON TOP TO 3120'. M&P 9.5# MUD LADEN FLUID, POOH TO 2330'.
2. M&P 30sx CL C CMT PLUG FROM 2600-2330', M&P 9.5# MUD LADEN FLUID, POOH TO 1100'.
3. PERF 2 SQZ HOLES @ 1200', EIR M&P 35sx CL C CMT PLUG FROM 1200-1100', M&P 9.5# MUD LADEN FLUID, POOH TO 245'.
4. M&P 20sx CL C CMT PLUG FROM 345-245', M&P 9.5# MUD LADEN FLUID, POOH.
5. M&P 10sx CL C CMT SURFACE PLUG. NDBOP, CUT-OFF CSG 3' BELOW GROUND LEVEL, RDP, INSTALL DRY-HOLE MARKER, CLEAN LOC & BACKFILL W/O PIT.

242

OXY USA INC. PROPOSED
MYERS LANGLEY MATTIX UT #118
SEC 34 T23S R37E LEA NM



OXY USA INC. CURRENT
MYERS LANGLEY MATTHEW UT #118
SEC 34 T23S R37E LEA NM



0.0 - 295.0' 13 1/2" OD HOLE
0.0 - 295.0' CEMENT 150sx-CIRC
0.0 - 295.0' 10 3/4" OD SURF CSG

295.0 - 3570.0' 7 7/8" OD HOLE
0.0 - 1095.0' CEMENT 200sx-CIRC
1095.0 - 1095.0' DVT00L
2151.0 - 3306.0' CEMENT 200sx-CALC
0.0 - 3306.0' 5 1/2" OD PROD CSG

3200.0 - 3200.0' CIBP

TD: 3570'

UNITED STATES N.M. Oil Cons. Division
DEPARTMENT OF THE INTERIOR 1625 N. French Dr.
BUREAU OF LAND MANAGEMENT Hobbs, NM 88240

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.

LC060825B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or N
Myers Langlie Mattix Unit

8. Well Name and No.

85

9. API Well No.

30-025-10956

10. Field and Pool, or Exploratory Area
Langlie Mattix 7Rvr Qn-GB

11. County or Parish, State

Lea NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

OXY USA WTP Limited Partnership

192463

3a. Address

P.O. Box 50250, Midland, TX 79710-0250

3b. Phone No. (include area code)

915-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

198 FSL 1880 FWL NESW(K) Sec 34 T23S R37E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

TD-3572' PBTD-3262' Perfs-3360-3559'
CIBP @ 3300' w/ 38' cmt - 10/90

8-5/8" 24# csg @ 350' w/ 300sx, 11" hole, TOC-Circ
5-1/2" 14# csg @ 3572' w/ 300sx, 7-7/8" hole, TOC-2220'-TS

1. RIH & Tag cmt @ 3262'
2. M&P 25sx cmt @ 2790-2690'
3. Perf @ 1130', sqz 35sx cmt to 1030', WOC-TAG
4. Perf @ 400', sqz 35sx cmt to 300', WOC-TAG
5. M&P 10sx cmt surface plug
10# MLF between plugs

~~ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED~~
~~DATE 10/22/03 BY 60320~~

APPROVED

APR 24 2003

GARY GOURLEY
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title

Sr. Regulatory Analyst

Date

4/22/03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GWW

OXY USA WTP LP
Myers Langille Mattix Unit #85
Sec 34 T23S R37E Lea Cty, NM
API No. 30-025-10956

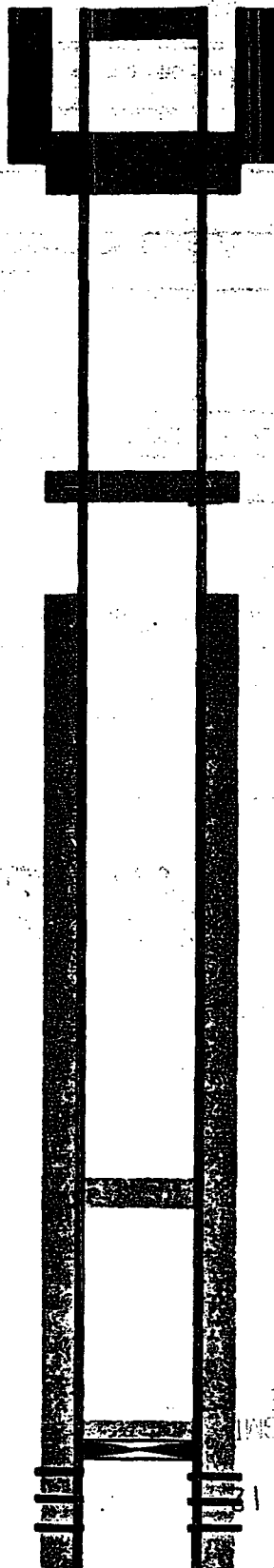
10sx Surface

35sx @ 400-300'

35sx @ 1130-1030'

25sx @ 2790-2690'

10/90-CIBP @ 3300'
w/ 38' cmt
PBTD-3262'



11" hole @ 350'
8-5/8" csg @ 350'
w/ 300sx-TOC-Circ

Perf @ 400'

Perf @ 1130'

7-7/8" hole @ 3572'
5-1/2" csg @ 3572'
w/ 300sx-TOC-2220'-TS

Perfs @ 3360-3559'

TD-3572'

BUREAU OF LAND MANAGEMENT
ROSWELL OFFICE

2003 APR 23 AM 8:18

RECEIVED

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a
newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a
week in the regular and entire
issue of said paper, and not a
supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

May 25 2005

and ending with the issue dated

May 25 2005

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 25th day of

May 2005

Notary Public.

My Commission expires
February 07, 2009
(Seal)



OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: _____

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

LEGAL NOTICE
May 25, 2005

Conversion To Water Injection Well

Latigo Petroleum, 550 W. Texas, Fasken Tower II, Suite 700, Midland, Texas 79701, 432-684-4293, contact Sabra Woody, has made application for a water injection well with the New Mexico Oil Conservation Commission. The well, known as the G.H. Matrix B Federal #1, is located 460' FNL and 1980' FWL, UL C. Sec. 3-T24S-R37E, Lea County, New Mexico. Disposal will be into the Paddock-Blineberry zone through perforations from 5,090' - 5,752'. 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, 1220 South Saint Francis, Santa Fe, New Mexico 87505 within fifteen (15) days of this notice.
#21549

67100898000 02576477

Latigo Petroleum
550 W. Texas, Ste 700
MIDLAND, TX 79701



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

VIA CERTIFIED MAIL / RETURN RECEIPT REQUESTED

July 7, 2005

Mr. Jimmy J. Doom
47 Doom Lane
Jal, New Mexico 88252

Re: **Notification of Intent to Inject -**
G. H. Mattix B Federal #1
UL C; 460' FNL & 1980' FWL; Sec 3-T24S-R37E
Lea County, New Mexico

To Whom It May Concern:

Latigo Petroleum Texas, L.P. has submitted an application to the New Mexico Oil Conservation Division requesting authority to inject water into our G. H. Mattix B Federal #1.

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 be sent copies of the Application for Authority to Inject. In compliance with this requirement, you will find copies of the application attached to this letter.

Any objections or requests for hearings must be filed with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505. If any questions arise concerning this matter, please contact me at (432) 684 - 4293.

Sincerely,


Sabra Woody
Engineering Technician

Attachments



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

VIA CERTIFIED MAIL / RETURN RECEIPT REQUESTED

July 7, 2005

OXY USA WTP Limited Partnership
Post Office Box 4294
Houston, TX 77210-4294

Re: **Notification of Intent to Inject -**
G. H. Mattix B Federal #1
UL C; 460' FNL & 1980' FWL; Sec 3-T24S-R37E
Lea County, New Mexico

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Latigo Petroleum Texas, L.P. has submitted an application to the New Mexico Oil Conservation Division requesting authority to inject water into our G. H. Mattix B Federal #1.

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Any objections or requests for hearings must be filed with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505. If any questions arise concerning this matter, please contact me at (432) 684 - 4293.

Sincerely,

A handwritten signature in cursive script that reads "Sabra Woody".

Sabra Woody
Engineering Technician

Attachments

CERTIFIED MAIL

7004 1160 0000 4929 2650

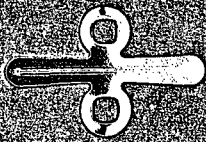
LATIGO

Petroleum, Inc.

Ranken Center Tower II, 550 W. Texas, Suite 700
Midland, Texas 79701

To:

OXY USA WTP Limited Partnership
Post Office Box 4294
Houston, TX 77210-4294

**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:

OXY USA WTP Limited Partnership
Post Office Box 4294
Houston, TX 77210-4294

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?
If YES, enter delivery address below:

☐ Yes
☒ No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7004 1160 0000 4939 2450

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

7004 1160 0000 4929 2667

LATIGO

Petroleum, Inc.

Peasen Center Tower II, 550 W. Texas, Suite 700
Midland, Texas 79701

To:

Mr. Jimmy J. Doom
47 Doom Lane
Jal, NM 88252

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:

Mr. Jimmy J. Doom
47 Doom Lane
Jal, NM 88252

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
X ☐ 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

2. Article Number
(Transfer from service label)

7004 1160 000 4999 2647

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, July 12, 2005 10:06 AM
To: 'swoody@latigopetro.com'
Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD
Subject: SWD application GH Mattix B Federal #1

Hello Sabra:

We have received your SWD application today and have the following questions:

- 1) The well name has "Federal" in it, but the BLM was not notified as the surface owner. Jimmy Doom was notified. If Mr. Doom the surface owner or the surface lessee? Please ask your Landman this question.
- 2) Please list all produced waters (Pool names) that will be contributing produced water to be injected into this disposal well and send a typical water analysis for each of these pools.
- 3) Please send a water analysis for the Paddock-Blinbry perforated interval in the disposal well. You can use adjacent wells' water analysis if these are in the same interval.
- 4) No electric logs exist on the Division web site. Please send a copy of all electric logs to Paul Kautz in the Hobbs District office for scanning into the database. Send evidence to Santa Fe that this has been done.

Your application will be held pending these items. However, we are prohibited from holding the application past 30 days which will be on August 11.

Many Regards,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

7/12/2005



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

July 19, 2005

Will Jones
NM Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 88240

Re: SWD Application - G.H. Mattix B #1

Dear Will,

Please find enclosed the information you requested from Sabra Woody concerning the subject SWD application in your email dated 7/12/05 (also enclosed). To answer your questions by number:

- 1) Latigo's Landman confirmed that Jimmy Doom is the surface owner of the NW ¼ of this section where the subject well is located, but the ¼ Section lease has Federal minerals.
- 2) Produced water will be from the following pools: Teague, Paddock/Blinbry; and Langlie Mattix; 7 Rivers/Queen/Grayburg. Water analyses from representative wells are attached.
- 3) Attached is a water analysis from the E.C. Hill B #15, an adjacent well producing from the same zone as the subject well.
- 4) Logs were mailed yesterday to Paul Kautz in Hobbs for scanning. Mr. Kautz indicated he would notify you by email of their arrival and scanning.

If you have any additional questions, or need any additional information, please contact me at 432-684-4293.

Sincerely,

A handwritten signature in black ink that reads "Joe N. Clement". The signature is stylized with a large, looped initial "J" and a cursive "N".

Joe N. Clement
Area Engineer

DATE: 4/26/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO PETROLEUM

LEASE NAME: EVA E BLINEBRY

WELL#\SAMPLE POINT: #2

1. WELLHEAD pH	7.71
2. H2S (QUALITATIVE)	5.44 PPM
3. CALCIUM (Ca)	960.00 Mg/L
4. MAGNESIUM (Mg)	2187.00 Mg/L
5. IRON (Fe)	0.01 PPM
6. SODIUM	18059.76 Mg/L
7. CHLORIDE (Cl)	34080.00 Mg/L
8. BICARBONATE (HCO3)	61.00 Mg/L
9. SULFATE (SO4)	2470.5 Mg/L
10. TOTAL HARDNESS	11400.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	57823.72 Mg/L
12. RESISTIVITY	0.11
13. CARBONATE SCALING TENDENCY	-0.22
14. SULFATE SCALING TENDENCY	-40.81

BOPD

BWPD

REMARKS: TESTED FOR SULFATE REDUCING BACTERIA - RESULTS TO FOLLOW

COPIES TO: JOHN NOGELMEIER

LANGLIE MATTIX ONLY

POOL: LANGLE MATTIX; 7 RVR-S-Q-GRAYBURG

DATE: 4/26/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO PETROLEUM

LEASE NAME: GH MATTIX

WELL#\SAMPLE POINT: #8

1. WELLHEAD pH	6.87
2. H ₂ S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	800.00 Mg/L
4. MAGNESIUM (Mg)	923.40 Mg/L
5. IRON (Fe)	23.37 PPM
6. SODIUM	13884.95 Mg/L
7. CHLORIDE (Cl)	24140.00 Mg/L
8. BICARBONATE (HCO ₃)	61.00 Mg/L
9. SULFATE (SO ₄)	1842.3 Mg/L
10. TOTAL HARDNESS	5800.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	41675.05 Mg/L
12. RESISTIVITY	0.15
13. CARBONATE SCALING TENDENCY	-1.06
14. SULFATE SCALING TENDENCY	-40.37

BOPD ____

BWPD ____

REMARKS: TESTED FOR SULFATE REDUCING BACTERIA - RESULTS TO FOLLOW

COPIES TO: JOHN NOGELMEIER

LANGLIE MATTIX ONLY

POOL: LANGLIE MATTIX; 7 RVRS - Q - GRAYBURG

DATE: 4/26/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO PETROLEUM

LEASE NAME: E.C. HILL B FED

WELL#\SAMPLE POINT: #4

1. WELLHEAD pH	6.29
2. H2S (QUALITATIVE)	4.76 PPM
3. CALCIUM (Ca)	1280.00 Mg/L
4. MAGNESIUM (Mg)	437.40 Mg/L
5. IRON (Fe)	6.85 PPM
6. SODIUM	11739.12 Mg/L
7. CHLORIDE (Cl)	19880.00 Mg/L
8. BICARBONATE (HCO3)	73.20 Mg/L
9. SULFATE (SO4)	2354.4 Mg/L
10. TOTAL HARDNESS	5000.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	35775.68 Mg/L
12. RESISTIVITY	0.18
13. CARBONATE SCALING TENDENCY	-1.30
14. SULFATE SCALING TENDENCY	-19.04

BOPD

BWPD

REMARKS: TESTED FOR SULFATE REDUCING BACTERIA - RESULTS TO FOLLOW

COPIES TO: JOHN NOGELMEIER

PADDOCK ONLY

POOL: TEAGUE; PADDOCK-BLINEBRY

DATE: 4/26/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO PETROLEUM

LEASE NAME: BAYLUS CADE FED

WELL#\SAMPLE POINT: #10

1. WELLHEAD pH	7.32
2. H ₂ S (QUALITATIVE)	2.04 PPM
3. CALCIUM (Ca)	1360.00 Mg/L
4. MAGNESIUM (Mg)	1409.40 Mg/L
5. IRON (Fe)	9.35 PPM
6. SODIUM	27214.98 Mg/L
7. CHLORIDE (Cl)	47570.00 Mg/L
8. BICARBONATE (HCO ₃)	85.40 Mg/L
9. SULFATE (SO ₄)	1218.5 Mg/L
10. TOTAL HARDNESS	9200.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	78869.63 Mg/L
12. RESISTIVITY	0.09
13. CARBONATE SCALING TENDENCY	-0.31
14. SULFATE SCALING TENDENCY	-53.31

BOPD _____

BWPD _____

REMARKS: TESTED FOR SULFATE REDUCING BACTERIA - RESULTS TO FOLLOW

COPIES TO: JOHN NOGELMEIER

BLINEBRY ONLY

POOL: TEAGUE; PADDOCK-BLINEBRY

DATE: 6/29/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO
LEASE NAME: TEAGUE INJECTION
WELL#\SAMPLE POINT:STATION

1. WELLHEAD pH	7.28
2. H ₂ S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	1040.00 Mg/L
4. MAGNESIUM (Mg)	583.20 Mg/L
5. IRON (Fe)	5.22 PPM
6. SODIUM	17368.17 Mg/L
7. CHLORIDE (Cl)	29110.00 Mg/L
8. BICARBONATE (HCO ₃)	61.00 Mg/L
9. SULFATE (SO ₄)	1580.7 Mg/L
10. TOTAL HARDNESS	5000.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	49748.27 Mg/L
12. RESISTIVITY	0.13
13. CARBONATE SCALING TENDENCY	-0.57
14. SULFATE SCALING TENDENCY	-41.94

BOPD _____

BWPD _____

REMARKS: _____

COPIES TO: _____

COMMINGLED INJECTION

DATE: 6/29/05

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

WATER ANALYSIS REPORT

COMPANY NAME: LATIGO

LEASE NAME: HILL B

WELL#\SAMPLE POINT: #15

1. WELLHEAD pH	6.90
2. H ₂ S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	960.00 Mg/L
4. MAGNESIUM (Mg)	874.80 Mg/L
5. IRON (Fe)	50.00 PPM
6. SODIUM	13343.96 Mg/L
7. CHLORIDE (Cl)	24140.00 Mg/L
8. BICARBONATE (HCO ₃)	268.40 Mg/L
9. SULFATE (SO ₄)	1629.2 Mg/L
10. TOTAL HARDNESS	6000.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	41266.33 Mg/L
12. RESISTIVITY	0.15
13. CARBONATE SCALING TENDENCY	-0.29
14. SULFATE SCALING TENDENCY	-38.61

BOPD ____

BWPD ____

REMARKS: _____

COPIES TO: _____

BLINEBRY/PADDOCK COMMINGLED

POOL: 58300 TEAGUE; PADDOCK-BLINEBRY