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April 4, 2006

New Mexico Oil Conservation Division
Underground Injection Control
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87505

Attn: Mr. David Catanach

Mr. Catanach,

This is the second phase of injection wells that we are requesting for reactivation. This field was unitized by Order No. R-9028 in October 1989 and granted a waterflood project status by Order No. R-9029 also in October 1989. This unit has had continuous injection in it since it was established as a waterflood. As we fix the physical plant in the unit the need for water injection grows with each well that goes back on production. There are 18 wells that have been permitted for water injection in the CATO San Andres Unit.

I am requesting the below captioned wells be reactivated and authorized to inject water into the San Andres Formation according to their original application and authorization by the NMOCD. A list of data for 6 of the original 18 wells authorized for injection is provided below and is attached to this letter.

1. List of wells for reactivation
2. Wells API Nos.
3. Well Locations
4. WBD's
5. Tubing, Packer and Perforation Details
6. NMOCD Order No Authorizing Injection for each well
7. Map w/ ½ mile radius of each well
8. Description of Activity within each wells ½ mile radius area of review that has occurred since 1989.

I am requesting that the CATO San Andres Unit Wells #21, #23, #26, #32, 51 and #54 be reactivated for water injection as mentioned earlier I have attached the requested data to this letter. If you any questions or need for additional data please call me at 432-686-0475 or 432-686-2458 or e-mail me at jklawson@lothian.us

Sincerely,

A handwritten signature in cursive script that reads "Jesse Lawson".

Jesse Lawson
Petroleum Engineer
Lothian Oil, Inc.

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PM 10 57

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/24/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 21

LEGAL: 660' FNL & 1980' FWL, Unit C, Sec. 11, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-20069 SPUD DATE: 05/04/67

STATE LEASE No.: COMPLETION DATE: 05/17/67

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,532' PBTD: 3,508' KB DATUM: 11' Above: 4,130'-GL, 4,141'-KB

CASING RECORD:

17 jts (454') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 461'.

90 jts (3,536') of 4-1/2", 9.5#, J-55, 8rd, L.S., ST&C Prod Csg. Set Csg @ 3,532'.

PERFORATIONS: 3,383'-92', 3,403-26', 54-77' w/ 2-JSPF. A total of 54' Net Perfs & 108 Holes. P-1

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:

Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

5/4/67 Spud Well for Pan American Petrol. Corp. w/ Chico Drilling with 12-1/4" hole to 461'.

Original Well Name: **Basket B # 2**

Ran 17 jts (454') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 461'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

5/11/67 Drilled 7-7/8" Hole to TD @ 3,532'.

Ran 90 jts (3,536') of 4-1/2", 9.5#, J-55, 8rd, L.S., ST&C Prod Csg. Set Csg @ 3,532'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

5/16/67 Perf'd the P-1 f/ 3,383'-92', 3,403-26', 54-77' w/ 2-JSPF. A total of 54' Net Perfs & 108 Holes.
Acidized the P-3 f/ 3,383-3,477' w/ 6,000 gals of 28% LSTNE Acid in 2 Eq Stgs. Drp'd 150# MB f/ divert.
Pmax: 3200#, Pmin: 2100#, ISIP: 2100#, AIR: 6 BPM.

5/17/67 I P 'd: 120 BOPD, 20 BWPD, 0 MCFPD

9/24/72 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg.
Ran 108 jts(3,350') of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,350'.
Load Annulus w/ 58 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order # 3867-B,
Dated: 8/7/72. Well Name has changed to CATO Baskett Pressure Maintenance Project # 5

5/17/83 Change of Ownership: Apollo Energy of Hobbs, NM bought the well.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 21

05/14/90 Well is Reclassified as a SWD by NMOCD Order # R-9029

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

10/2/02 Checked Well Found Sand Line in Well

12/27/05 Lothian Oil Bought the Well.

INJECTION WELL

Date	Description
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[illegible]

PBTD: 3,508'
TD: 3,532'

TOC @ Unknown

Well Head:

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/27/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 23

LEGAL: 660' FNL & 660' FEL, Unit A, Sec. 11, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-10523 SPUD DATE: 09/28/66

STATE LEASE No.: COMPLETION DATE: 10/22/66

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,576' PBTD: 3,508' KB DATUM: Above: 4,181'-KB

CASING RECORD: 16 jts (447') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 455'.
112 jts (3,584') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,576'.

PERFORATIONS:

3,478'-82', 3,499-3,518', 44-68', 73-76' w/ 2-JSPF. A total of 50' Net Perfs & 100 Holes. P-2

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:

Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

9/29/66 Spud Well for Pan American Petrol. Corp. w/ Chico Drilling with 12-1/4" hole to 454'.

Original Well Name: **Basket D # 2**

Ran 16 jts (447') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 455'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

10/7/66 Drilled 7-7/8" Hole to TD @ 3,576'.

Ran 112 jts (3,584') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,576'.

Cmt'd w/ 500 sxs of Cl "C" Incor +12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

10/11/66 Perf'd the P-2 f/ 3,478'-82', 3,499-3,518', 44-68', 73-76' w/ 2-JSPF. A total of 50' Net Perfs & 100 Holes. Acidized the P-2 f/ 3,478-3,576' w/ 2,000 gals of 15% NE Pentol Acid. Drp'd 110 RCN BS f/ divert. FRMBRKDOWN: 1600#, Pmax: 2100#, Pmin: 1600#, ISIP: 1200#, AIR: 4 BPM.

10/14/66 Frac the P-2 f/ 3,478-3,576' w/ 30,000 gals of LO + 40,500# 20-40 Sd + 3,000# 12-20 Beads Sd Conc: 1-1/2 ppg, Bead Conc: 1' ppg. FRMBRKDOWN: 2200#, Pmax: 4000#, Pmin: 3500# ISIP: 2000# AIR: 33 BPM

10/22/66 I P'd: 212 BOPD, 5 BWPD, 108 MCFPD

2/12/71 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg. Ran 111 jts(3,409') of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,400'. Load Annulus w/ 58 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order # 3867-B, Dated: 8/7/72. Well Name has changed to CATO Baskett Pressure Maintenance Project # 2

5/17/83 Change of Ownership: Apollo Energy of Hobbs, NM bought the well.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 23

05/14/90 Well is Reclassified as a SWD by NMOCD Order # R-9029

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

10/2/02 Checked Well - Swab will not go below 800' (Scale & Rust).

12/27/05 Lothian Oil Bought the Well.

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/28/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 26

LEGAL: 1980' FNL & 1980' FEL, Unit G, Sec. 11, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-10514 SPUD DATE: 09/07/66

STATE LEASE No.: COMPLETION DATE: 09/18/66

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,605' PBTD: 3,582' KB DATUM: 9.5' Above: 4,167'-KB

CASING RECORD:

16 jts (447') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 453'.
114 jts (3,612') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,605'.

PERFORATIONS: 3,456'-68', 78-80', 83-97' w/ 2-JSPF. A total of 28' Net Perfs & 56 Holes. P-1
3,534-48', 52-60', 67-69', 73-75' w/ 2-JSPF. A total of 26' Net Perfs & 52 Holes P-2

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:
Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

9/7/66 Spud Well for Pan American Petrol. Corp. w/ Chico Drilling with 12-1/4" hole to 453'.

Original Well Name: **Basket D # 1**

Ran 16 jts (447') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 453'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

9/15/66 Drilled 7-7/8" Hole to TD @ 3,605'.

Ran 114 jts (3,612') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,605'.

Cmt'd w/ 500 sxs of Cl "C" Incor +12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

9/17/66 Perf'd the P-1 f/ 3,456'-68', 78-80', 83-97' w/ 2-JSPF. A total of 28' Net Perfs & 56 Holes.
 Perf'd the P-2 f/ 3,534-48', 52-60', 67-69', 73-75' w/ 2-JSPF. A total of 26' Net Perfs & 52 Holes.
 Acidized the P-1 & P-2 f/ 3,456-3,575' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 115 - 7/8" RCN BS f/ divert.
 Pmax: 2100#, Pmin: 1200#, ISIP: 1100#, 8min: Vac AIR: 6.8 BPM.

9/18/66 I P 'd: 360 BOPD, 0 BWPD, 240 MCFPD

2/13/71 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg.
 Ran 111 jts(3,400') of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,391'.
 Load Annulus w/ 37 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order # 3867-B,
 Dated: 8/7/72. Well Name has changed to CATO Basket Pressure Maintenance Project # 1

12/12/71 Acidize P-1 & P-2 as Follows: Set Pkr @ 3,514'(Between 2 Zones), Acidize P-1 Dwn Annulus w/ 1,500 gals &
 1,125# Benzoic Acid Flakes. Flake Concen: 1/2 - 1 ppg. Pmax: 2500#, Acidize P-2 Dwn Tbg w/ 3,000 gals of
 15% Suspending Acid. Pmax: 2400#, Pmin: 2000#, ISIP: 1500#, AIR: 3.1 BPM

5/17/83 Change of Ownership: Apollo Eneregy of Hobbs, NM bought the well.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 26

05/14/90 Well is Reclassified as a SWD by NMOCD Order # R-9029

05/18/95 Hole in Csg +/-600'. POH & LD Pkr & Tbg.

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

12/27/05 Lothian Oil Bought the Well.

LOTHIAN OIL, INC.

CATO SAN ANDRES UNIT # 26

CATO FIELD

INJECTION WELL

Location: 1980' FNL & 1980' FEL, Unit G, Sec. 11, T-8-S, R-30-E,
NMPM, Chaves County, NM

Elevation: 4,167'-KB, KB: 9.5'

TREATMENT HISTORY

Date	Description
12/12/71	Acidize P-1 & P-2 as Follows: Set Pkr @ 3,514' (Between 2 Zones), Acidize P-1 Dwn Annulus w/ 1,500 gals & 1,125# Benzoic Acid Flakes. Flake Concen: 1/2 - 1 ppg. Pmax: 2500#, Acidize P-2 Dwn Tbg w/ 3,000 gals of 15% Suspending Acid. Pmax: 2400#, Pmin: 2000#, ISIP: 1500#, AIR: 3 BPM
2/13/71	Well was Converted f/ Production to Water Injection POOH w/ Rod Pump, Rods & Tbg. Ran 111 jts (3,400') of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,391'. Load Annulus w/ 37 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order #3867-B Dated: 8/7/72. Well Name has changed to CATO Baskett Pressure Maintenance Project # 1
9/17/66	Perf'd the P-1 f/ 3,456'-68', 78-80', 83-97' w/ 2-JSPF A total of 28' Net Perfs & 56 Holes. Perf'd the P-2 f/ 3,534-48', 52-60', 67-69', 73-75' w/ 2-JSPF. A total of 26' Net Perfs & 52 Holes. Acidized the P-1 & P-2 f/ 3,456-3,575' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 115 - 7/8" RCN BS f/ divert. Pmax: 2100#, Pmin: 1200#, ISIP: 1100#, 8min: Vac, AIR: 7 BPM

PBTD: 3,582'
TD: 3,605'

Spudded: 9/7/1966
Completed: 9/18/1966
API #: 30-005-10514

12-1/4" Hole

Casing:

16 jts(447') of 8 5/8", 24#, J-55, 8rd, ST&C Csg.

Set @ 453'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl.

Circ Cmt to surf.

HOLE in Csg: +/-600'

Tubing:

NONE

TOC @ Unknown

7-7/8" Hole

Rods:

PUMP:

Perforations: San Andres

San Andres: P-1 & P-2

3,456'-68', 78-80', 83-97' - 2-JSPF. A total of 28' Net Perfs & 56 Holes.

3,534-48', 52-60', 67-69', 73-75' w/ 2-JSPF.

A total of 26' Net Perfs & 52 Holes.

Casing:

1142 jts(3,612') of 4-1/2", 9.5#, J-55, 8rd, ST&C Csg.

Set @ 3,605'. Cmt'd w/ 500 sxs of Cl "C" Incor Cmt +

12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

Remarks: State Lease No.:

Polish Rod:

Polish Rod Liner:

Pumping Unit:

Well Head:

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/28/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 32

LEGAL: 1980' FNL & 660' FWL, Unit E, Sec. 10, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-10522 SPUD DATE: 09/26/66

STATE LEASE No.: COMPLETION DATE: 10/17/66

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,410' PBTD: 3,388' KB DATUM: 9.5' Above: 4,071'-KB

CASING RECORD:

14 jts of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 458'.
108 jts of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,410'.

PERFORATIONS:

3,261'-88', 3,331-36', 42-46', 53-80' w/ 2-JSPF. A total of 43' Net Perfs & 86 Holes.

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:

Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

9/26/66 Spud Well for Pan American Petrol. Corp. w/ Cactus Drilling with 12-1/4" hole to 458'.

Original Well Name: Queen # 2

Ran 14 jts of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 458'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

10/3/66 Drilled 7-7/8" Hole to TD @ 3,410'.

Ran 108 jts of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,410'.

Cmt'd w/ 500 sxs of Cl "C" Incor +12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

10/7/66 Perfd the P-2 f/ 3,261'-88', 3,331-36', 42-46', 53-80' w/ 2-JSPF. A total of 43' Net Perfs & 86 Holes. Acidized the P-2 f/ 3,261-3,380' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 130 RCN BS f/ divert. Pmax: 2650#, Pmin: 1500#, ISIP: 2000#, AIR: 4 BPM.

10/9/66 Frac the P-2 f/ 3,261-3,380 w/ 30,000 gals of LO + 40,500# Sd + 3,000# Glass Beads Sd Conc: 1-1/2 ppg, Bead Conc: 1 ppg. Pmax: 4000#, Pmin: 3800#, ISIP: 2850#

10/17/66 I P 'd: 95 BOPD, 1 BWPD, 20 MCFPD

5/17/83 Change of Ownership: Apollo Eneregy of Hobbs, NM bought the well.

6/27/83 Pump chemical Sqz w/ HOWCO's C-Dex. Pump 295 gals of C-Dex Dwn Csg + 500 gals of 28% Acid + 3 gals of marflo + 2 gals of Musol.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 32

8/10/90 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg. Ran 104 jts of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,212'. Load Annulus w/ 31 bbls of Pkr Fluid. Start Wtr Inj on 8/11/90 in accordance with NMOCD Order # 9029, Dated: 10/30/89.

5/9/95 Unset Pkr. POOH & LD Pkr & Tbg. Close well In.

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

10/02/02 Lose Fluid coming OOH w/ Swab. Possible Hole in Csg.

12/27/05 Lothian Oil Bought the Well.

INJECTION WELL

Date	Description
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10/02/02	Lose Fluid coming OOH w/ Swab. Possible Hole in Csg.
8/10/90	Well was Converted f/ Production to Water Injection POOH w/ Rod Pump, Rods & Tbg. Ran 104 jts of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,212'. Load Annulus w/ 31 bbls of Pkr Fluid. Start Wtr Inj on 8/11/90 in accordance with NMOC D Order # 9029, Dated: 10/30/89.
6/27/83	Pump chemical Sqz w/HOWCO's C-Dex. Pump 295 gals of C-Dex Dwn Csg + 500 gals of 28% Acid + 3 gals of marflo + 2 gals of Musol.
10/9/66	Frac the P-2 f/ 3,261-3,380 w/ 30,000 gals of LO + 40,500# Sd + 3,000# Glass Beads. Sd Conc: 1-1/2 ppg, Bead Conc: 1 ppg. Pmax: 4000#, Pmin: 3800#, ISIP: 2850#
10/7/66	Perf'd the P-2 f/ 3,261'-88", 3,331'-36", 42'-46", 53'-0" w/ 2-JSPF. A total of 43' Net Perfs & 86 Holes. Acidized the P-2 f/ 3,261-3,380' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 130 RCN BS f/ divert. Pmax: 2650#, Pmin: 1500#, ISIP: 2000#, AIR: 4 BPM.

TD: 3,410'

TOC @ Unknown

Well Head:

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/27/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 51

LEGAL: 1980' FSL & 700' FEL, Unit I, Sec. 11, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-10539 SPUD DATE: 11/02/66

STATE LEASE No.: COMPLETION DATE: 11/24/66

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,668' PBTD: 3,647' KB DATUM: Above: 4,168'-KB

CASING RECORD:

16 jts (451') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 458'.
116 jts (3,676') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,668'.

PERFORATIONS:

3,514'-57' w/ 2-JSPF. A total of 43' Net Perfs & 86 Holes. P-1
3,584'-3,628' w/ 2-JSPF. A total of 44' Net Perfs & 88 Holes. P-2

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:
Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

11/2/66 Spud Well for Pan American Petrol. Corp. w/ Chico Drilling with 12-1/4" hole to 458'.

Original Well Name: Basket D # 4

Ran 16 jts (451') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 458'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

11/14/66 Drilled 7-7/8" Hole to TD @ 3,668'.

Ran 116 jts (3,676') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,668'.

Cmt'd w/ 500 sxs of Cl "C" Incor +12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

11/17/66 Perf'd the P-2 f/ 3,584'-3,628' w/ 2-JSPF. A total of 44' Net Perfs & 88 Holes.
Acidized the P-2 f/ 3,584-3,628' w/ 2,000 gals of 15% DS-30 Acid. Drp'd 100 7/8" RCN BS f/ divert.
Pmax: 3300#, Pmin: 2700#, ISIP: 2600#, AIR: 2.2 BPM.

11/21/66 Frac the P-2 f/ 3,584-3,628' w/ 30,000 gals of Gelled Brine + 15,000# Sd + 3,000# Glass Beads.
Sd Concn: 1/2 ppg. Pmax: 3900#, Pmin: 3500#, ISIP: 2200#, AIR: 43 BPM

11/28/66 I P 'd: 56 BOPD, 42 BWPD, 0 MCFPD

12/1/66 Perf'd the P-1 f/ 3,514'-57' w/ 2-JSPF. A total of 43' Net Perfs & 86 Holes.
Acidized the P-1 f/ 3,514-57' w/ 3,000 gals of 28% DS-30 Acid.
Pmax: 4200#, Pmin: 1000#, ISIP: 1800#, 15min: Vac AIR: 7.6 BPM.

11/17/69 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg.
Ran 114 jts(3,509') of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,400'.
Load Annulus w/ 58 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order # 3867-B,
Dated: 8/7/72. Well Name has changed to CATO Baskett Pressure Maintenance Project # 4

2/19/70 Acidize the P-1 & P-2 w/ 1,000 gals of 15% Suspending Acid.
Pmax: 1850#, Pmin: 1700#, ISIP: 1800#, AIR: 1 BPM.

5/17/83 Change of Ownership: Apollo Eneregy of Hobbs, NM bought the well.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 51

05/14/90 Well is Reclassified as a SWD by NMOCD Order # R-9029

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

12/27/05 Lothian Oil Bought the Well.

LOTHIAN OIL, INC.

CONDITION OF HOLE

INJECTION WELL

3/27/06

FIELD: Cato San Andres LEASE: Cato San Andres Unit WELL NO: 54

LEGAL: 660' FSL & 1980' FEL, Unit O, Sec. 11, T-8-S, R-30-E, NMPM, Chaves County, NM

API No.: 30-005-10528 SPUD DATE: 10/09/66

STATE LEASE No.: COMPLETION DATE: 10/23/66

REASON FOR WORK: To increase water injection.

CONDITION OF HOLE:

TOTAL DEPTH: 3,644' PBTD: 3,616' KB DATUM: Above: 4,150'-KB

CASING RECORD:

16 jts (452') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 459'.
114 jts (3,652') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,644'.

PERFORATIONS:

3,500'-06', 3,510-16', 3,518-30' w/ 2-JSPF. A total of 24' Net Perfs & 48 Holes. P-1
3,564'-3,610' w/ 2-JSPF. A total of 46' Net Perfs & 92 Holes. P-2

TUBING DETAIL: No Tbg in Well

Wellhead Model, Type & Rating:

Pumping Unit:

ROD & PUMP DETAIL:

Rod Pump:

Polish Rod:

Pol Rod Liner:

REGULATORY REQUIREMENTS:

WELL HISTORY:

10/9/66 Spud Well for Pan American Petrol. Corp. w/ Chico Drilling with 12-1/4" hole to 459'.

Original Well Name: **Basket D # 3**

Ran 16 jts (452') of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 459'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl. Circ Cmt to Surf.

10/19/66 Drilled 7-7/8" Hole to TD @ 3,644'.

Ran 114 jts (3,652') of 4-1/2", 9.5#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,644'.

Cmt'd w/ 500 sxs of Cl "C" Incor +12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

10/21/66 Perf'd the P-2 f/ 3,564'-3,610' w/ 2-JSPF. A total of 46' Net Perfs & 92 Holes.
Acidized the P-2 f/ 3,564-3,610' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 100 7/8" RCN BS f/ divert.
Pmax: 2700#, Pmin: 1800#, ISIP: 1300#, 15min: Vac, AIR: 5.6 BPM.

10/21/66 I P'd: 280 BOPD, 0 BWPD, 174 MCFPD

9/24/72 Perf'd the P-1 f/ 3,500'-06', 3,510-16', 3,518-30' w/ 2-JSPF. A total of 24' Net Perfs & 48 Holes.
Perf'd w/ 3-1/8", 0.49" Dia, 2-JSPF Csg Guns.
Acidized the P-1 f/ 3,500-30' w/ 1,000 gals of 15% LST-NE Acid.
FRMBRKDOWN: 550#, Pmax: 2400#, Pavg: 2250#, ISIP: 700#, 1min: Vac AIR: 5.6 BPM.

9/25/72 Well was Converted f/ Production to Water Injection. POOH w/ Rod Pump, Rods & Tbg.
Ran 114 jts of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,450'.
Load Annulus w/ 58 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOCD Order # 3867-B,
Dated: 8/7/72. Well Name has changed to CATO Baskett Pressure Maintenance Project # 3

11/22/76 HIT. Pkr Coupling Broke. Push Johnston Ten Pkr to PBTD. Ran new 4-1/2" Johnston Ten Pkr to 3,426'.

5/17/83 Change of Ownership: Apollo Energy of Hobbs, NM bought the well.

2/2/88 Change of Ownership: Kelt Oil & Gas of Roswell, NM bought the well.

03/08/90 Well Name has changed to CATO San Andres Unit # 54

05/14/90 Well is Reclassified as a SWD by NMOCD Order # R-9029

11/01/95 Change of Ownership: Secondary Oil Corp. of Marble Falls, TX bought the well.

12/01/97 Change of Ownership: Seirra Blanca Operating Co. of Cleburne, TX bought the well.

06/01/99 Change of Ownership: UHC New Mexico Corp. of Cleburne, TX bought the well.

12/27/05 Lothian Oil Bought the Well.

LOTHIAN OIL, INC.

CATO SAN ANDRES UNIT # 54

CATO FIELD

INJECTION WELL

Location: 660' FSL & 1980' FEL, Unit O, Sec.11, T-8-S, R-30-E,
NMPM, Chaves County, NM

Elevation: 4,150'-KB, KB:

TREATMENT HISTORY

Date	Description
11/22/76	HIT. Pkr Coupling Broke. Push Johnston Ten Pkr to PBTD. Ran new 4-1/2" Johnston Ten Pkr to 3,426'
9/25/72	Well was Converted f/ Production to Water Injection POOH w/ Rod Pump. Rods & Tbg. Ran 114 jts of 2-3/8", 4.7#, J-55, EUE, 8rd, PCID Tbg w/ Johnston PC Ten Pkr. SPA 3,450'. Load Annulus w/ 58 bbls of Pkr Fluid. Start Wtr Inj on 9/23/72 in accordance with NMOC Order # 3867-B, Dated: 8/7/72. Well Name has changed to CATO Basket Pressure Maintenance Project # 3
9/24/72	Perf'd the P-1 f/ 3,500'-06', 3,510-16', 3,518-30' w/ 2-JSPF. A total of 24' Net Perfs & 48 Holes. Perf'd w/ 3-1/8", 0.49" Dia, 2-JSPF Csg Guns. Acidized the P-1 f/ 3,500-30' w/ 1,000 gals of 15% LST-NE Acid. FRMBRKDOWN: 550#, Pmax: 2400#, Pavg: 2250#, ISIP: 700#, 1min: Vac AIR: 5.6 BPM.
10/21/66	Perf'd the P-2 f/ 3,564'-3,610' w/ 2-JSPF. A total of 46' Net Perfs & 92 Holes. Acidized the P-2 f/ 3,564-3,610' w/ 2,000 gals of 15% LST-NE Acid. Drp'd 100 7/8" RCN BS f/ divert. Pmax: 2700#, Pmin: 1800#, ISIP: 1300#, 15min: Vac, AIR: 5.6 BPM.

PBTD: 3,616'
TD: 3,644'

Spudded: 10/9/1966
Completed: 10/23/1966
API #: 30-005-10528

12-1/4" Hole

Casing:

16 jts(452') of 8 5/8", 24#, J-55, 8rd, ST&C Csg.

Set @ 459'.

Cmt'd w/ 300 sxs of Cl "C" Incor + 2% CaCl.

Circ Cmt to surf.

Tubing:

NONE

TOC @ Unknown

7-7/8" Hole

Rods:

PUMP:

Perforations: San Andres

San Andres: P-1 & P-2

3,500'-06', 10-16', 18-30' w/ 2-JSPF. A total of 24' Net Perfs & 48 Holes. P-1

3,564'-3,610' w/ 2-JSPF. A total of 46' Net Perfs & 92 Holes P-2

Casing:

114 jts(3,652') of 4-1/2", 9.5#, J-55, 8rd, ST&C Csg.

Set @ 3,644'. Cmt'd w/ 500 sxs of Cl "C" Incor Cmt +

12% Gel & Tailed w/ 300 sxs of Incor Neat.

TOC @ Unknown

Remarks: State Lease No.:

Polish Rod:

Polish Rod Liner:

Pumping Unit:

Well Head:

4:10 21	40:08 31	40:06 41	40:04 51	40:02 61	40:00 71	39:58 81	39:56 91	39:54 101	39:52 111	39:50 121	39:48 131	39:46 141	39:44 151	39:42 161	39:40 171	39:38 181	39:36 191	39:34 201	39:32 211	39:30 221	39:28 231	39:26 241	39:24 251	39:22 261	39:20 271	39:18 281	39:16 291	39:14 301	39:12 311	39:10 321	39:08 331	39:06 341	39:04 351	39:02 361	39:00 371	38:58 381	38:56 391	38:54 401	38:52 411	38:50 421	38:48 431	38:46 441	38:44 451	38:42 461	38:40 471	38:38 481	38:36 491	38:34 501	38:32 511	38:30 521	38:28 531	38:26 541	38:24 551	38:22 561	38:20 571	38:18 581	38:16 591	38:14 601	38:12 611	38:10 621	38:08 631	38:06 641	38:04 651	38:02 661	38:00 671	37:58 681	37:56 691	37:54 701	37:52 711	37:50 721	37:48 731	37:46 741	37:44 751	37:42 761	37:40 771	37:38 781	37:36 791	37:34 801	37:32 811	37:30 821	37:28 831	37:26 841	37:24 851	37:22 861	37:20 871	37:18 881	37:16 891	37:14 901	37:12 911	37:10 921	37:08 931	37:06 941	37:04 951	37:02 961	37:00 971	36:58 981	36:56 991	36:54 1001	36:52 1011	36:50 1021	36:48 1031	36:46 1041	36:44 1051	36:42 1061	36:40 1071	36:38 1081	36:36 1091	36:34 1101	36:32 1111	36:30 1121	36:28 1131	36:26 1141	36:24 1151	36:22 1161	36:20 1171	36:18 1181	36:16 1191	36:14 1201	36:12 1211	36:10 1221	36:08 1231	36:06 1241	36:04 1251	36:02 1261	36:00 1271	35:58 1281	35:56 1291	35:54 1301	35:52 1311	35:50 1321	35:48 1331	35:46 1341	35:44 1351	35:42 1361	35:40 1371	35:38 1381	35:36 1391	35:34 1401	35:32 1411	35:30 1421	35:28 1431	35:26 1441	35:24 1451	35:22 1461	35:20 1471	35:18 1481	35:16 1491	35:14 1501	35:12 1511	35:10 1521	35:08 1531	35:06 1541	35:04 1551	35:02 1561	35:00 1571	34:58 1581	34:56 1591	34:54 1601	34:52 1611	34:50 1621	34:48 1631	34:46 1641	34:44 1651	34:42 1661	34:40 1671	34:38 1681	34:36 1691	34:34 1701	34:32 1711	34:30 1721	34:28 1731	34:26 1741	34:24 1751	34:22 1761	34:20 1771	34:18 1781	34:16 1791	34:14 1801	34:12 1811	34:10 1821	34:08 1831	34:06 1841	34:04 1851	34:02 1861	34:00 1871	33:58 1881	33:56 1891	33:54 1901	33:52 1911	33:50 1921	33:48 1931	33:46 1941	33:44 1951	33:42 1961	33:40 1971	33:38 1981	33:36 1991	33:34 2001	33:32 2011	33:30 2021	33:28 2031	33:26 2041	33:24 2051	33:22 2061	33:20 2071	33:18 2081	33:16 2091	33:14 2101	33:12 2111	33:10 2121	33:08 2131	33:06 2141	33:04 2151	33:02 2161	33:00 2171	32:58 2181	32:56 2191	32:54 2201	32:52 2211	32:50 2221	32:48 2231	32:46 2241	32:44 2251	32:42 2261	32:40 2271	32:38 2281	32:36 2291	32:34 2301	32:32 2311	32:30 2321	32:28 2331	32:26 2341	32:24 2351	32:22 2361	32:20 2371	32:18 2381	32:16 2391	32:14 2401	32:12 2411	32:10 2421	32:08 2431	32:06 2441	32:04 2451	32:02 2461	32:00 2471	31:58 2481	31:56 2491	31:54 2501	31:52 2511	31:50 2521	31:48 2531	31:46 2541	31:44 2551	31:42 2561	31:40 2571	31:38 2581	31:36 2591	31:34 2601	31:32 2611	31:30 2621	31:28 2631	31:26 2641	31:24 2651	31:22 2661	31:20 2671	31:18 2681	31:16 2691	31:14 2701	31:12 2711	31:10 2721	31:08 2731	31:06 2741	31:04 2751	31:02 2761	31:00 2771	30:58 2781	30:56 2791	30:54 2801	30:52 2811	30:50 2821	30:48 2831	30:46 2841	30:44 2851	30:42 2861	30:40 2871	30:38 2881	30:36 2891	30:34 2901	30:32 2911	30:30 2921	30:28 2931	30:26 2941	30:24 2951	30:22 2961	30:20 2971	30:18 2981	30:16 2991	30:14 3001	30:12 3011	30:10 3021	30:08 3031	30:06 3041	30:04 3051	30:02 3061	30:00 3071	29:58 3081	29:56 3091	29:54 3101	29:52 3111	29:50 3121	29:48 3131	29:46 3141	29:44 3151	29:42 3161	29:40 3171	29:38 3181	29:36 3191	29:34 3201	29:32 3211	29:30 3221	29:28 3231	29:26 3241	29:24 3251	29:22 3261	29:20 3271	29:18 3281	29:16 3291	29:14 3301	29:12 3311	29:10 3321	29:08 3331	29:06 3341	29:04 3351	29:02 3361	29:00 3371	28:58 3381	28:56 3391	28:54 3401	28:52 3411	28:50 3421	28:48 3431	28:46 3441	28:44 3451	28:42 3461	28:40 3471	28:38 3481	28:36 3491	28:34 3501	28:32 3511	28:30 3521	28:28 3531	28:26 3541	28:24 3551	28:22 3561	28:20 3571	28:18 3581	28:16 3591	28:14 3601	28:12 3611	28:10 3621	28:08 3631	28:06 3641	28:04 3651	28:02 3661	28:00 3671	27:58 3681	27:56 3691	27:54 3701	27:52 3711	27:50 3721	27:48 3731	27:46 3741	27:44 3751	27:42 3761	27:40 3771	27:38 3781	27:36 3791	27:34 3801	27:32 3811	27:30 3821	27:28 3831	27:26 3841	27:24 3851	27:22 3861	27:20 3871	27:18 3881	27:16 3891	27:14 3901	27:12 3911	27:10 3921	27:08 3931	27:06 3941	27:04 3951	27:02 3961	27:00 3971	26:58 3981	26:56 3991	26:54 4001	26:52 4011	26:50 4021	26:48 4031	26:46 4041	26:44 4051	26:42 4061	26:40 4071	26:38 4081	26:36 4091	26:34 4101	26:32 4111	26:30 4121	26:28 4131	26:26 4141	26:24 4151	26:22 4161	26:20 4171	26:18 4181	26:16 4191	26:14 4201	26:12 4211	26:10 4221	26:08 4231	26:06 4241	26:04 4251	26:02 4261	26:00 4271	25:58 4281	25:56 4291	25:54 4301	25:52 4311	25:50 4321	25:48 4331	25:46 4341	25:44 4351	25:42 4361	25:40 4371	25:38 4381	25:36 4391	25:34 4401	25:32 4411	25:30 4421	25:28 4431	25:26 4441	25:24 4451	25:22 4461	25:20 4471	25:18 4481	25:16 4491	25:14 4501	25:12 4511	25:10 4521	25:08 4531	25:06 4541	25:04 4551	25:02 4561	25:00 4571	24:58 4581	24:56 4591	24:54 4601	24:52 4611	24:50 4621	24:48 4631	24:46 4641	24:44 4651	24:42 4661	24:40 4671	24:38 4681	24:36 4691	24:34 4701	24:32 4711	24:30 4721	24:28 4731	24:26 4741	24:24 4751	24:22 4761	24:20 4771	24:18 4781	24:16 4791	24:14 4801	24:12 4811	24:10 4821	24:08 4831	24:06 4841	24:04 4851	24:02 4861	24:00 4871	23:58 4881	23:56 4891	23:54 4901	23:52 4911	23:50 4921	23:48 4931	23:46 4941	23:44 4951	23:42 4961	23:40 4971	23:38 4981	23:36 4991	23:34 5001	23:32 5011	23:30 5021	23:28 5031	23:26 5041	23:24 5051	23:22 5061	23:20 5071	23:18 5081	23:16 5091	23:14 5101	23:12 5111	23:10 5121	23:08 5131	23:06 5141	23:04 5151	23:02 5161	23:00 5171	22:58 5181	22:56 5191	22:54 5201	22:52 5211	22:50 5221	22:48 5231	22:46 5241	22:44 5251	22:42 5261	22:40 5271	22:38 5281	22:36 5291	22:34 5301	22:32 5311	22:30 5321	22:28 5331	22:26 5341	22:24 5351	22:22 5361	22:20 5371	22:18 5381	22:16 5391	22:14 5401	22:12 5411	22:10 5421	22:08 5431	22:06 5441	22:04 5451	22:02 5461	22:00 5471	21:58 5481	21:56 5491	21:54 5501	21:52 5511	21:50 5521	21:48 5531	21:46 5541	21:44 5551	21:42 5561	21:40 5571	21:38 5581	21:36 5591	21:34 5601	21:32 5611	21:30 5621	21:28 5631	21:26 5641	21:24 5651	21:22 5661	21:20 5671	21:18 5681	21:16 5691	21:14 5701	21:12 5711	21:10 5721	21:08 5731	21:06 5741	21:04 5751	21:02 5761	21:00 5771	20:58 5781	20:56 5791	20:54 5801	20:52 5811	20:50 5821	20:48 5831	20:46 5841	20:44 5851	20:42 5861	20:40 5871	20:38 5881	20:36 5891	20:34 5901	20:32 5911	20:30 5921	20:28 5931	20:26 5941	20:24 5951	20:22 5961	20:20 5971	20:18 5981	20:16 5991	20:14 6001	20:12 6011	20:10 6021	20:08 6031	20:06 6041	20:04 6051	20:02 6061	20:00 6071	19:58 6081	19:56 6091	19:54 6101	19:52 6111	19:50 6121	19:48 6131	19:46 6141	19:44 6151	19:42 6161	19:40 6171	19:38 6181	19:36 6191	19:34 6201	19:32 6211	19:30 6221	19:28 6231	19:26 6241	19:24 6251	19:22 6261	19:20 6271	19:18 6281	19:16 6291	19:14 6301	19:12 6311	19:10 6321	19:08 6331	19:06 6341	19:04 6351	19:02 6361	19:00 6371	18:58 6381	18:56 6391	18:54 6401	18:52 6411	18:50 6421	18:48 6431	18:46 6441	18:44 6451	18:42 6461	18:40 6471	18:38 6481	18:36 6491	18:34 6501	18:32 6511	18:30 6521	18:28 6531	18:26 6541	18:24 6551	18:22 6561	18:20 6571	18:18 6581	18:16 6591	18:14 6601	18:12 6611	18:10 6621	18:08 6631	18:06 6641	18:04 6651	18:02 6661	18:00 6671	17:58 6681	17:56 6691	17:54 6701	17:52 6711	17:50 6721	17:48 6731	17:46 6741	17:44 6751	17:42 6761	17:40 6771	17:38 6781	17:36 6791	17:34 6801	17:32 6811	17:30 6821	17:28 6831	17:26 6841	17:24 6851	17:22 6861	17:20 6871	17:18 6881	17:16 6891	17:14 6901	17:12 6911	17:10 6921	17:08 6931	17:06 6941	17:04 6951	17:02 6961	17:00 6971	16:58 6981	16:56 6991	16:54 7001	16:52 7011	16:50 7021	16:48 7031	16:46 7041	16:44 7051	16:42 7061	16:40 7071	16:38 7081	16:36 7091	16:34 7101	16:32 7111	16:30 7121	16:28 7131	16:26 7141	16:24 7151	16:22 7161	16:20 7171	16:18 7181	16:16 7191	16:14 7201	16:12 7211	16:10 7221	16:08 7231	16:06 7241	16:04 7251	16:02 7261	16:00 7271	15:58 7281	15:56 7291	15:54 7301	15:52 7311	15:50 7321	15:48 7331	15:46 7341	15:44 7351	15:42 7361	15:40 7371	15:38 7381	15:36 7391	15:34 7401	15:32 7411	15:30 7421	15:28 7431	15:26 7441	15:24 7451	15:22 7461	15:20 7471	15:18 7481	15:16 7491	15:14 7501	15:12 7511	15:10 7521	15:08 7531	15:06 7541	15:04 7551	15:02 7561	15:00 7571	14:58 7581	14:56 7591	14:54 7601	14:52 7611	14:50 7621	14:48 7631	14:46 7641	14:44 7651	14:42 7661	14:40 7671	14:38 7681	14:36 7691	14:34 7701	14:32 7711	14:30 7721	14:28 7731	14:26 7741	14:24 7751	14:22 7761	14:20 7771	14:18 7781	14:16 7791	14:14 7801	14:12 7811	14:10 7821	14:08 7831	14:06 7841	14:04 7851	14:02 7861	14:00 7871	13:58 7881	13:56 7891	13:54 7901	13:52 7911	13:50 7921	13:48 7931	13:46 7941	13:44 7951	13:42 7961	13:40 7971	13:38 7981	13:36 7991	13:34 8001	13:32 8011	13:30 8021	13:28 8031	13:26 8041	13:24 8051	13:22 8061	13:20 8071	13:18 8081	13:16 8091	13:14 8101	13:12 8111	13:10 8121	13:08 8131	13:06 8141	13:04 8151	13:02 8161	13:00 8171	12:58 8181	12:56 8191	12:54 8201	12:52 8211	12:50 8221	12:48 8231	12:46 8241	12:44 8251	12:42 8261	12:40 8271	12:38 8281	12:36 8291	12:34 8301	12:32 8311	12:30 83
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<p>31</p> <p>C.A. Jones R.W. Vorhees, et al Chisos Ltd. 1/4 Thelma Crosby, et al</p>	<p>32</p> <p>M.F. Jennings, et al M.F. Powers Chisos Ltd. 1/4 Thelma Crosby, et al</p>	<p>33</p> <p>Phillip Ernst H.D. Blake, Jr., et al Chisos Ltd. 1/4 Thelma Crosby, et al</p>	<p>34</p> <p>U.S. Chisos Ltd. 1/4 Thelma Crosby, et al</p>	<p>35</p> <p>U.S. Chisos Ltd. 1/4 Thelma Crosby, et al</p>	<p>36</p> <p>U.S. Chisos Ltd. 1/4 Thelma Crosby, et al</p>
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#32

[illegible]

LOTHIAN OIL, INC.

CATO SAN ANDRES UNIT

WELLS WITHIN A 1/2 MILE CIRCLE OF CAPTIONED INJECTION WELL

WELL#	
21	3, 5, 6, 7, 8, 19, 20, 22, 23, 25, 26, 27, 28, 29, 49, 50
23	3, 6, 21, 22, 24, 25, 26, 27, 50, 51
26	3, 6, 20, 21, 22, 23, 24, 25, 27, 28, 49, 50, 51, 54, 55
32	15, 16, 17, 18, 30, 31, 33, 34, 43, 44, 45, 46, 47, 59, 60, 61, 330
51	22, 23, 24, 25, 26, 27, 50, 52, 53, 54, 55, 80, 81, 82
54	26, 27, 49, 50, 51, 52, 53, 55, 56, 78, 79, 80, 81, 82, 84, 85, 86
21	P & A'd WELLS: 3 2/13/1975 INACTIVE WELLS: 22, 25, 27, 28, 29, 49, 50 - NO PROD. SINCE 2003 PROD. WELLS: 5, 6, 7, 8, 19, 20, INJECT. WELLS: 23, 26
23	P & A'd WELLS: 3 2/13/1975 INACTIVE WELLS: 22, 24, 25, 27, 50 - NO PROD. SINCE 2003 PROD. WELLS: 6 INJECT. WELLS: 21, 26, 51
26	P & A'd WELLS: 3 2/13/1975 INACTIVE WELLS: 22, 24, 25, 27, 28, 49, 50, 55 - NO PROD. SINCE 2004 PROD. WELLS: 6, 20 INJECT. WELLS: 21, 23, 51, 54
32	P & A'd WELLS: INACTIVE WELLS: 15, 17, 18, 30, 31, 34, 45, 46, 47, 59, 60, 61 - NO PROD. SINCE 2003 PROD. WELLS: 33, 43, (330 - DRILLED IN DEC. 2000 - ATTACHED WBD.) INJECT. WELLS: 16, 44,

51

P & A'd WELLS:

INACTIVE WELLS: 22, 24, 25, 27, 50, 52, 53, 55, 80, 82 - NO PROD. SINCE 2004

PROD. WELLS:

INJECT. WELLS: 23, 26, 54, 81

54

P & A'd WELLS:

INACTIVE WELLS: 27, 49, 50, 52, 53, 55, 56, 78, 80, 82, 84, 85, 86 - NO PROD. SINCE 2004

PROD. WELLS:

INJECT. WELLS: 26, 51, 79, 81

CATO SAN ANDRES UNIT #330
CATO FIELD

Location: 1340' FSL & 1308' FEL, Unit I, Sec.9, T-8-S, R-30-E
NMPM, Chaves County, NM

Elevation: 4,074'-GL, 4,080'-KB, KB: 6'

TREATMENT HISTORY

Date	Description
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2/26/01	Perf'd the P-2 f/ 3,305 - 56' w/ 2-JSPF. A Total of 51' Net Perfs & 102 Holes. Acidized the P-2 f/ 3,305 - 56' w/ 6,000 gals of 15% NEFE HCL Acid Diverted w/ 200 - 7/8", 1.3 sg RCN BS. Pmax: 2570#, Pavg: 2490#, ISIP: 1430#, AIR: 3.8 BPM, FRMBRKDWN: 1670#
12/18/00	Drilled 7-7/8" Hole to TD @ 3,560'. Ran 85 jts of 5-1/2", 17#, J-55, 8rd, ST&C Prod Csg. Set Csg @ 3,560'. Cmt'd w/ 275 sxs of Cl "C" Cmt + 6% Bentonite + 1/4#/sx Flocele + 5% CaCl & Tailed w/ 378 sxs of Cl "C" + 0.6% FL-2 + 0.2% NaCl + 1/4#/sx Flocele. TOC @ 1,180' by Calc.
12/12/00	Spud Well for UHC New Mexico Corp. w/ United Drilling, Inc. with 12-1/4" hole to 522'. Ran 12 jts of 8-5/8", 24#, J-55, 8rd, ST&C Surf Csg. Set Csg at 515'. Cmt'd w/ 254 sxs of Cl "C" + 2% CaCl. Circ Cmt to Surf.

PBTD: 3,520'

TD: 3,560'

Spudded: 12/12/2000

Completed: 3/14/2001

API # : 30-005-21165

12-1/4" Hole

Casing:

12 jts(515') of 8 5/8", 24#, J-55, 8rd, ST&C Csg.

Set @ 515'.

Cmt'd w/ 254 sxs of Cl "C" + 2% CaCl

Circ Cmt to surf.

Tubing:

105 jts of 2-3/8", 4.7#, J-55, 8rd. EUE

EOT @ 3,425', SN @ 3,425', BTM-MA @ 3,463'

TOC @ 1,180' by Calc.

7-7/8" Hole

Rods:

136 - 3/4" KD, 2 - 3/4" X 2' KD - Pony Rods

PUMP: 2" x 1-1/2" x 12' RWBC D.V., T.P.

Perforations:

San Andres: P-2

3,305 - 56' w/ 2-JSPF. A Total of 51' Net Perfs & 102 Holes.

Casing:

85 jts(3,560') of 5-1/2", 17#, J-55, 8rd, ST&C Csg.

Set @ 3,560'. Cmt'd w/ 275 sxs of CI "C" Cmt + 6%

Bentonite + 5% CaCl + 1/4#/sx Flocele & Tailed w/ 378 sxs.

of Cl "C" + 0.6% FL-2 + 0.2% NaCl + 1/4#/sx Flocele.

TOC @ 1,180' by Calc.

Remarks: State Lease No.:

Polish Rod: 1-1/4" X 16' w/ 3/4" Pin

Polish Rod Liner: 1-1/4" x 1-1/2" x 8'

Pumping Unit:

LOTHIAN OIL, INC.

CATO SAN ANDRES UNIT

INJECTION WELLS

WELL #	API#	NMOCD ORDER #	LEGAL DESCRIPTION	P-1	PERFS P-2	P-3	PKR. DEPTH	TUBING DETAILS
21	30-005-20069	R-3867-B	660' FNL & 1980' FWL, Unit C, Sec. 11, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,383'-92", 3,403'-26", 54'-77"			NONE	NO TUBING IN WELL
23	30-005-10523	R-3867-B	660' FNL & 660' FEL, Unit A, Sec. 11, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,478'-82", 3,499-3,518', 44'-68", 73'-76"			NONE	NO TUBING IN WELL
26	30-005-10514	R-3867-B	1980' FNL & 1980' FEL, Unit G, Sec. 11, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,456'-68", 78'-80", 83'-97"	3,534'-48", 52'-60", 67'-69", 73'-75"		NONE	NO TUBING IN WELL
32	30-005-10522	R-9029	1980' FNL & 660' FWL, Unit E, Sec. 10, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,261'-88", 3,331'-36", 42'-46", 53'-80"			NONE	NO TUBING IN WELL
51	30-005-10539	R-3867-B	1980' FSL & 700' FEL, Unit I, Sec. 11, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,514'-57"	3,584'-3,628"		NONE	NO TUBING IN WELL
54	30-005-10528	R-3867-B	660' FSL & 1980' FEL, Unit O, Sec. 11, T-8-S, R-30-E, NMPPM, Chaves County, NM	3,500'-06", 3,510'-16", 3,518'-30"	3,564'-3,610"		NONE	NO TUBING IN WELL