

AMEND SWL

8/26/97

Downs Oil and Gas Research

1424 West Paige Dr.
Hobbs, New Mexico 88240

(505) 392-7121

August 7, 1997

Mr. Ben Stone
Oil Conservation Division
2040 South Pacheco
Santa Fe, N.M. 87505

RE: REQUEST FOR REACTIVATION OF SALT WATER DISPOSAL PERMIT SWD-330
Mexico F Well #4 (660/N & W of Sec. 2, T15S, R37E, Lea County)

Gentlemen:

SWD-330 was originally issued to Texaco Producing, Inc. for the above-referenced well in 1987. The lease that this disposal well served was sold to Penroc Oil Corp. then to Kenlaw Oil Corp. and Sept. 1995 this lease was purchased by Crestridge Drilling & Producing Company, LLC.

The disposal well failed the MIT in January 1995 and for economic reasons the operator (Kenlaw) did not repair the well. The property was sold to Crestridge and the lease was returned to production and the disposal well was needed.

Crestridge rigged up to repair the well on October 28, 1996, and found a tubing problem -- not a casing leak. The tubing was parted and an inspection of the tubing indicated a majority of it was "junk". The 5½" casing was pressure tested and no leaks were found. (C-103 showing this work is enclosed.) Then internally fiberglass lined tubing was run and set in a packer at 11,983' on Feb. 20, 1997. A MIT was run on this well July 9, 1997, and a copy of this report is enclosed.

The well originally disposed of Wolfcamp and Devonian water but Crestridge is only disposing of Devonian water since the Wolfcamp zones have been abandoned on this lease. A copy of the Devonian water analysis is enclosed.

The area of review is basically the same as on the original application. There have been no new wells drilled. The schematic for Mobil, Denton North Wolfcamp Unit Tr. 1 #2 was marked proposed on the original application -- I have enclosed copy of subsequent P&A report which indicates the plugging went basically as proposed.

The only fresh water well in the area is approximately 1.5 miles North of the lease, and a copy of the 1987 water analysis is enclosed. Since no casing leak was found on the Mexico F #4 well, we feel a new water analysis for this well would not be pertinent.

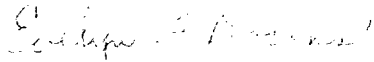
August 7, 1987
Mr. Ben Stone
Mexico F #4-D Sec. 2, T15S, R37E
SWD-330

The disposal interval in the Mexico F #4 is the same as the original application -- Devonian 12,160--12,306'. The well is currently taking approximately 250 BWP on a vacuum.

The Hobbs office of the Oil Conservation Division indicated we have 60 days in which to get the SWD permit reinstated. The above information is submitted on behalf of Crestridge Drilling and Producing Company to assist you in reviewing their request for reinstatement of the salt water disposal permit SWD-330 for the Mexico F #4 in Unit D, Sec. 2, T15S, R37E. Should you have need for additional information, please contact Evelyn Downs at (505) 392-7121 or Rick McBride at (915) 685-7071.

Your prompt consideration of this matter will be appreciated.

Sincerely,



Evelyn F. Downs
Agent for Crestridge Drilling & Prod. Co. LLC

cc Crestridge Drilling & Producing Co. LLC
P.O. Box 1114
Midland, TX 79702

Oil Conservation Division
P.O. Box 1980
Hobbs, N.M. 88240

Encl.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-05249

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.
B-8944

7. Lease Name or Unit Agreement Name

MEXICO "F"

8. Well No.
4

9. Pool name or Wildcat
SWD DEVONIAN

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL GAS WELL OTHER SALTWATER DISPOSAL

2. Name of Operator
Crestridge Drlg. & Prod. Co. LLC

3. Address of Operator
P.O. BOX 1114 Midland, Texas 79702

4. Well Location
Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line

Section 2 Township 15 S Range 37 E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3,823' RKB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER: MECHANICAL INTEGRITY TEST <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) NOTIFIED OIL CONSERVATION DIVISION DISTRICT OFFICE ON 7/7/97 OF INTENT TO CONDUCT "MIT" ON THE MORNING OF 7/9/97.
- 2) RIGGED UP PATE TRUCKING AND RAN MECHANICAL INTEGRITY TEST HOLDING 320 PSI ON 5-1/2" casing ANNULUS FOR 30 MINUTES. OIL CONSERVATION DIVISION REPRESENTATIVE WAS NOT PRESENT.
- 3) SUBMITTED PRESSURE CHART OF TEST TO OCD DISTRICT OFFICE FOR APPROVAL 7/24/97.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Richard A. McBride Jr. TITLE MANAGER DATE 7/24/97

TYPE OR PRINT NAME Richard A. McBride Jr. TELEPHONE NO. 915-685-7071

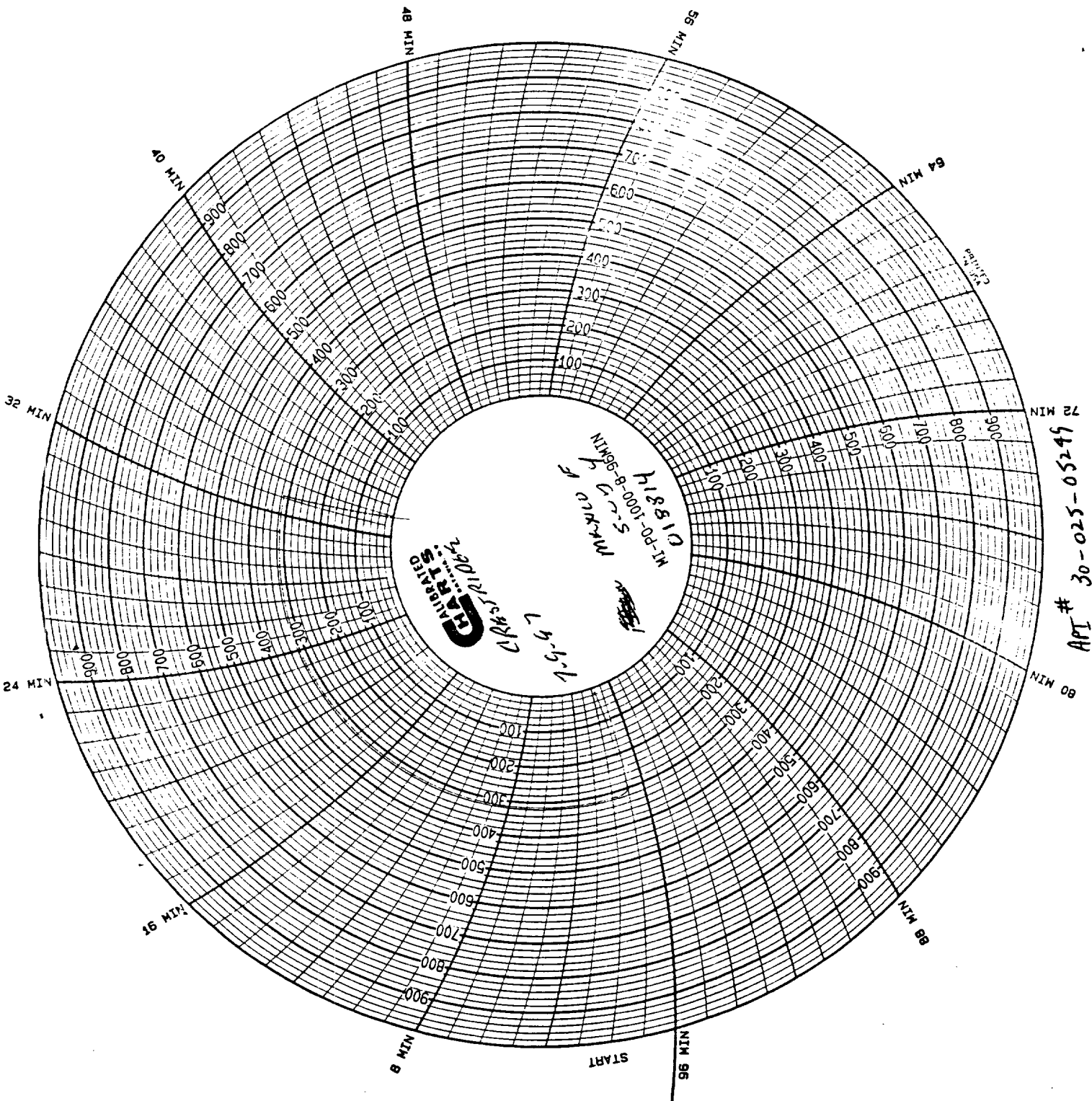
(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

7/26/97

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



API # 30-025-05249

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-05249

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.
B-8944

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE 'APPLICATION FOR PERMIT'
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

MEXICO "F"

1. Type of Well:
OIL WELL GAS WELL OTHER SALTWATER DISPOSAL

8. Well No. 4

2. Name of Operator
Crestridge Drlg. & Prod. Co. LLC

9. Pool name or Wildcat
SWD DEVONIAN

3. Address of Operator
P.O. BOX 1114 Midland, Texas 79702

4. Well Location
Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line

Section 2 Township 15 S Range 37 E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3,823' RKB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER:

PLUG AND ABANDON
CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK
COMMENCE DRILLING OPNS.
CASING TEST AND CEMENT JOB
OTHER: REPAIRING TUBING LEAK (no csg leak)

ALTERING CASING
PLUG AND ABANDONMENT

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Rigged up workover rig on 10/28/96. Picked up on tbg. Pulled out of hole w/346 jts & 1 parted jt 2-3/8" ipc tbg. (approx 10,365', pkr @ 11,991') Fished remaining 1,265' of tbg & 5-1/2" od loc-set packer from casing in 7 days ending 11/3/96. Tbg inspection rendered majority as "junk".
- 2) Ran in hole w/5-1/2" od ret bridge plug & pkr on 2-7/8" od tbg workstring. Set rbp @ 11,965'. Set packer @ 11,950'. Pressure tested rbp to 1,000 psi. Okay. Pressure tested 5-1/2" csg annulus to 500 psi for 20 min. Okay. Poh & laid down workstring on 11/6/96. Waited on new tbg to be fiberglass lined.
- 3) Picked up & rih w/5-1/2" od (ipc) loc-set pkr & on-off tool on 2-3/8" od internally fiberglass lined tubing. Set pkr @ 11,983' on 2/20/97. Rigged up wireline truck. Ran & set 1.5 "F" plug in on-off tool. Pulled off pkr & circ annulus w/pkr fluid. Latched back onto pkr. Pressure tested annulus to 500 psi for 15 min. Okay. Attempt to fish "F" plug from pkr unsuccessful w/pulling tool.
- 4) Wait on fishing procedure. Rigged up wireline truck. Rih w/grapple in overshot to catch top of plug. Retrieved plug on 6/19/97. Well ready for injection subject to mechanical integrity test.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Richard A. McBride Jr. TITLE MANAGER DATE 6/30/97

TYPE OR PRINT NAME Richard A. McBride Jr. TELEPHONE NO. 915-685-7071

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

JUL 2 1997

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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Revised 1-1-89

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1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-05249

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.
B-8944

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
MEXICO "F"

1. Type of Well:
OIL WELL GAS WELL OTHER SALTWATER DISPOSAL

8. Well No. 4

2. Name of Operator
Crestridge Drlg. & Prod. Co. LLC

9. Pool name or Wildcat
SWD DEVONIAN

3. Address of Operator
P.O. BOX 1114 Midland, Texas 79702

4. Well Location
Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line

Section 2 Township 15 S Range 37 E NMPM Lea _____ County _____
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3,823' RKB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: MECHANICAL INTEGRITY TEST <input checked="" type="checkbox"/>		OTHER: _____ <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1) Conduct mechanical integrity test on swd well subsequent to tubing repair. Requested the week of 6/30/97.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE MANAGER DATE 6/30/97

TYPE OR PRINT NAME Richard A. McBride Jr. TELEPHONE NO. 915-685-7071

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE JUL 2 1997

Orig. Signed by Paul Kautz Geologist

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-05249

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No. B 8944

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Mexico "F"

1. Type of Well:
OIL WELL GAS WELL OTHER Saltwater disposal

2. Name of Operator
Crestridge Drlg. & Prod. Co. LLC

8. Well No. 4

3. Address of Operator
P.O. Box 1114 Midland, Texas 79702

9. Pool name or Wildcat
SWD DEVONIAN

4. Well Location
Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line
Section 2 Township 15 S Range 37 E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3823' rkb

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Repair casing leak <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Notify Oil Conservation Division 24 hours prior to commencing operations. (Approx 10/21/96)
- 2) Release 5 1/2" Loc-set packer @ 11,991'. Pull out of hole and lay down 2-3/8" od plastic coated tubing and packer.
- 3) Run in hole with retrievable bridge plug and packer on 2-7/8" od work string to isolate 5 1/2" casing leak.
- 4) Establish injection rate. Cement squeeze casing to seal leak below cement retainer.
- 5) Wait on cement. Drill out retainer and cement. Pressure test casing to 300 psi for 30 minutes.
- 6) Lay down workstring. Rerun 2-3/8" injection string and packer.
- 7) Notify Oil Conservation Division and retest tubing-casing annulus for mechanical integrity.
- 8) Commence injection of produced water.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Richard A. McBride Jr. TITLE Manager DATE 9-26-96

TYPE OR PRINT NAME Richard A. McBride Jr. TELEPHONE NO. 915-685-7071

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE SEP 30 1996

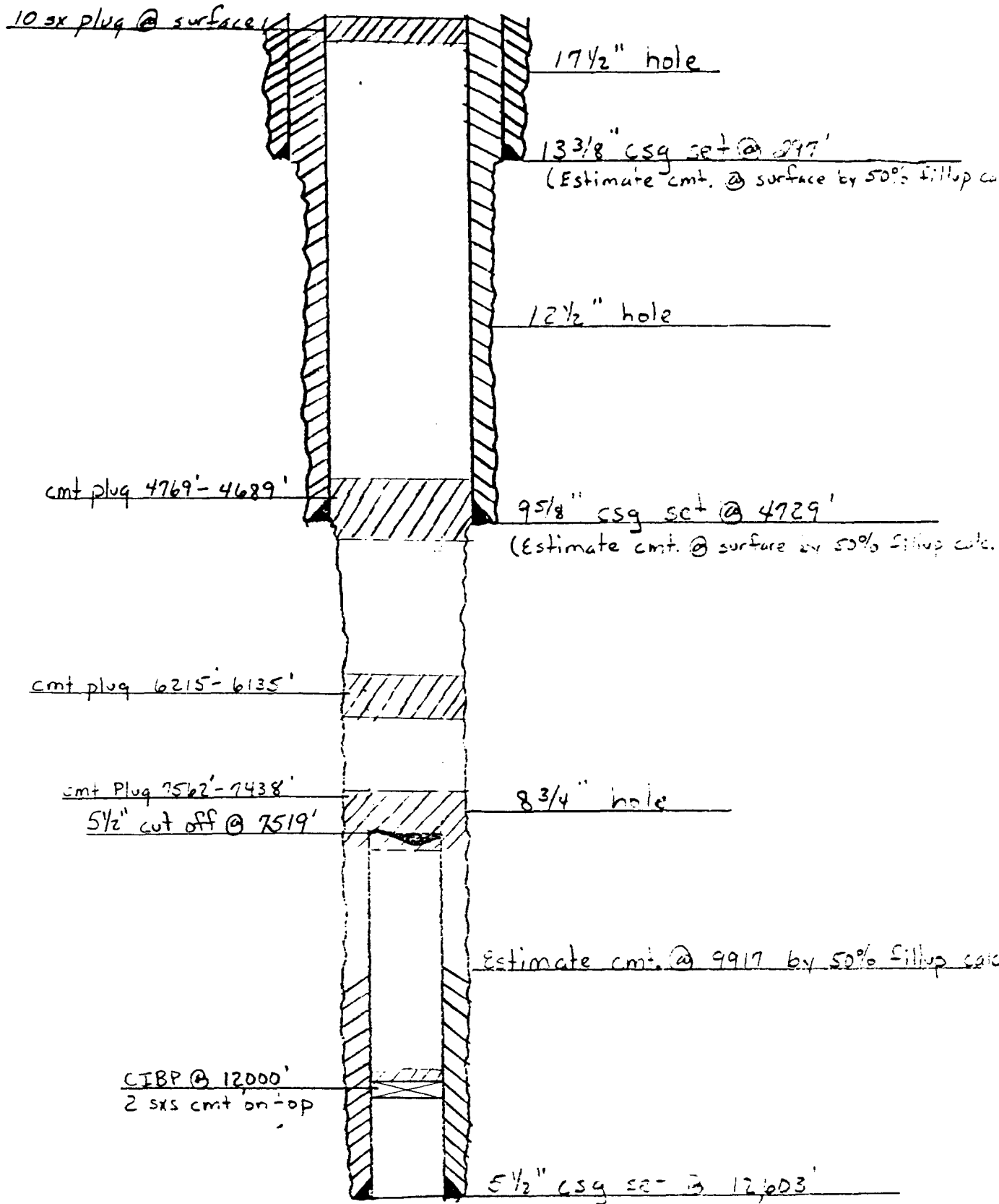
CONDITIONS OF APPROVAL, IF ANY:

WELLS WITHIN 1/2 MILE RADIUS OF TPI'S MEXICO "P" WELL NO. 4
THAT PENETRATE THE PROPOSED INJECTION ZONE

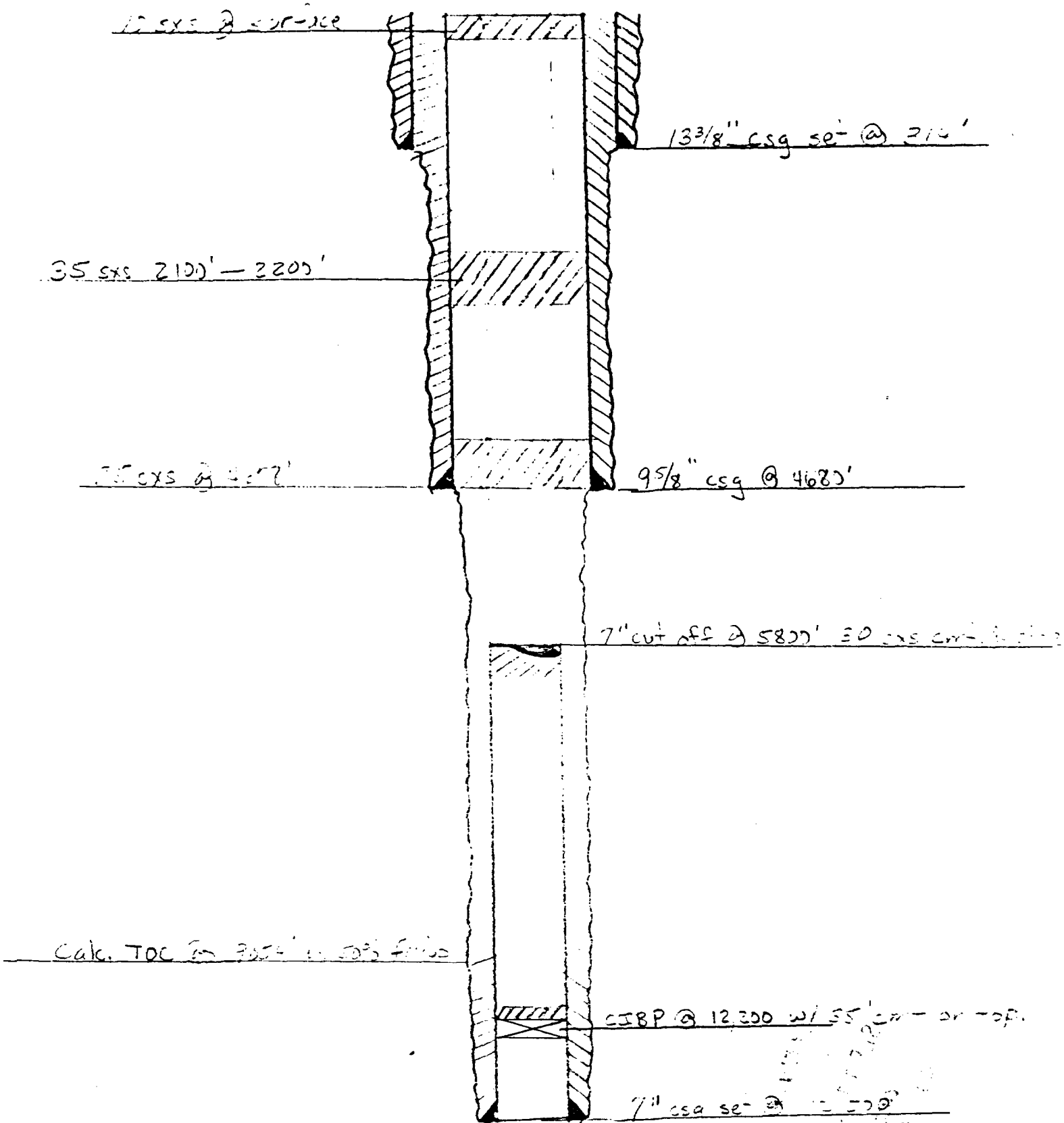
Operator, Well Name & No.	Formation	Total Depth	Date Drilled	Current Status	Hole Size	Casing Size	Depth	Cement (lb)	TOC	Determined By
ARCO Jones Federal No. 1 660' FSL & 660' FML Sec. 35, T-14-S, R-37-E	Devonian	12,700'	7/23/51	P & A	18" 12-1/4" 8-5/8"	13-3/8" 9-5/8" 7"	314' 4,677' 12,697'	475 3000 855	Surface Circulated Surface Circulated 9,054' Calc. 50% fillup	
B. C. Dickinson A-34 No. 2 1650' FSL & 330' FEL Sec. 34, T-14-S, R-37-E	Devonian	12,603'	3/01/53	P & A	17-1/2" 12-1/2" 8-3/4"	13-3/8" 9-5/8" 5-1/2"	297' 4,729' 12,603'	350 3000 1150	Surface Calc. 50% fillup Surface Calc. 50% fillup 9,917' Calc. 50% fillup	
Mobil T. D. Pope Well No. 1 1980' FSL & 660' FSL Sec. 35, T-14-S, R-37-E	Devonian	12,702'	10/30/51	Producing	17-1/2" 11" 7-7/8"	13-3/8" 8-5/8" 5-1/2"	411' 4,746' 12,467'	500 3699 1793	Surface Circulated Surface Circulated 930'	11
Denton N. Wolfcamp Ut. TTC. 1, No. 2 330' FSL & 330' FEL Sec. 34, T-14-S, R-37-E	Wolfcamp	12,536'	6/24/52	P & A	17-1/2" 12-1/4" 8-3/4"	13-3/8" 9-5/8" 7"	324' 4,754' 12,536'	350 3000 750	Surface Circulated Surface Circulated 11,824' Calc.	
Hondo State T Well No. 2 1980' FSL & 1980' FML Sec. 2, T-15-S, R-37-E	Devonian	12,713'	3/17/51	Producing	17-1/2" 12-1/4" 8-3/4" (Liner)	13-3/8" 9-5/8" 7" 5"	320' 4,689' 10,580' 10215'-12713'	375 2500 925 200	Surface Circulated 23' Calc. 50% fillup 6,950' Calc. 50% fillup 10,215' Calc. 50% fillup	
Polaris State A Well No. 2 1980' FSL & 660' FML Sec. 2, T-15-S, R-37-E	Devonian	12,500'	8/22/51	Producing	17-1/4" 11" 7-7/8"	13-3/8" 8-5/8" 5-1/2"	356' 4,680' 12,500'	300 3500 750	Surface Circulated Surface Circulated 8,240' TS	
Argo Well No. 2 990' FSL & 330' FEL Sec. 3, T-15-S, R-37-E	Devonian	12,691'	2/16/52	Producing	17-1/4" 11" 7-7/8"	13-3/8" 8-5/8" 5-1/2"	326' 4,742' 12,082'	325 3500 1000	Surface Circulated Surface Circulated 8,677' Calc. 50% fillup	
Argo Well No. 1 660' FSL & 660' FEL Sec. 3, T-15-S, R-37-E	Devonian	12,690'	11/13/51	Producing	17-1/4" 11" 7-7/8"	13-3/8" 8-5/8" 5-1/2"	374' 4,655' 12,500'	325 3500 1150	Surface Circulated Surface Circulated 8,584' Calc. 50% fillup	
Texasco Producing Inc. Mexico "P" Well No. 1 660' FSL & 1980' FML Sec. 2, T-15-S, R-37-E	Devonian	12,887'	5/19/51	Producing	18" 12-1/4" 7-7/8"	13-3/8" 9-5/8" 5-1/2"	355' 4,820' 12,887'	350 3600 1500	Surface Circulated Surface Circulated 4,695' TS	
Mexico "P" Well No. 3 1980' FSL & 660' FSL Sec. 2, T-15-S, R-37-E	Devonian	12,732'	11/10/51	Producing	18" 12-1/4" 7-7/8"	13-3/8" 8-5/8" 5-1/2"	345' 4,800' 12,732'	225 3500 1420	Surface Circulated Surface Circulated 3,298' TS	
Mexico "P" Well No. 5 660' FSL & 1980' FSL Sec. 2, T-15-S, R-37-E	Devonian	12,600'	5/05/52	Producing	18" 12-1/4" 7-7/8"	13-3/8" 9-5/8" 5-1/2"	331' 4,792' 12,600'	350 3250 1705	Surface Circulated Surface Circulated 6,794' Calc. 50% fillup	

B. C. Dickinson A-34 No. 2

1650' FSL + 330' FEL Sec. 34, T-14-S, R. 37-E



Jones Federal Well No. 1
 660' FSL + 660' FWL sec 35, T-14-S, R-37-E



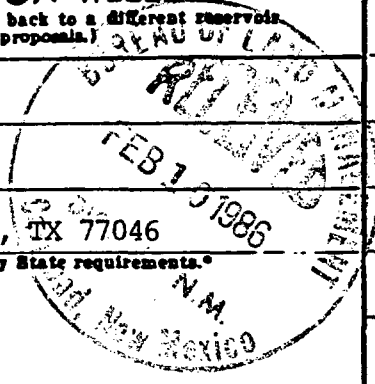
UNITED STATES CONS. COMMISSION IN TRIPLICATE
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
P.O. BOX 1989
HOBBS, NEW MEXICO 88240

Approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Mobil Producing TX & NM Inc.		8. LEASE OR TRACT NAME Denton North Wolfcamp Unit, Tract No. 1
3. ADDRESS OF OPERATOR 9 Greenway Plaza - Suite 2700 - Houston, TX 77046		9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 330 FEL & 330 FSL		10. FIELD AND POOL, OR WILDCAT Denton Wolfcamp
14. PERMIT NO. DF-3822		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 34, T-14S, T-37E
15. ELEVATIONS (Show whether DF, ST, CM, etc.) DF-3822		12. COUNTY OR PARISH 13. STATE Lea NM



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, 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.)

- 1-27-86 MIRU Frontier UT #302, RIH w/7" CIBP & set @ 9300, dump 35x "C" Neat on top of CIBP.
- 1-28-86 Circ 9.5 MLF to surf (365 bbls), perf Abo @ 8173-8174 w/4 JSPF (8 holes), RIH w/7" cmt ret.
- 1-29-86 Set ret @ 8125, sqz w/35x "C" Neat, spot 16x on top of ret.
- 1-30-86 Perf Glorietta @ 6223-6225 w/2 JSPF (8 holes), set cmt ret @ 6175, sqz perfs 6223-25 w/35x "C" Neat, cap w/16x on top of ret, perf 4793-4795 w/2 JSPF (8 holes), set cmt ret @ 4745, sqz 4793-95 w/35x "C" Neat, cap cmt ret w/16x, perf salt @ 3138-3140 w/2 JSPF (8 holes).
- 1-31-86 Set cmt ret @ 3090, pump 500x "C" Neat & circ 15x to pit, dump 16x on cmt ret, spot 16x "C" Neat plug @ 2157-2250, spot 30x "C" Neat plug @ 188-362, spot 15x "C" Neat plug @ 0-50, instl dry hole marker, clear & clean location, RDMO Frontier Unit. Well P&A.

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

SIGNED Nancy Lewis TITLE Authorized Agent DATE 2-7-86

(This space for Federal or State office use)
Orig. Sgd: Charles S. [unclear]

APPROVED BY Area Manager TITLE _____ DATE 6-23-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DATE 7-15-85 WELL N° 1-2 LEASE DNWU FIELD DNW

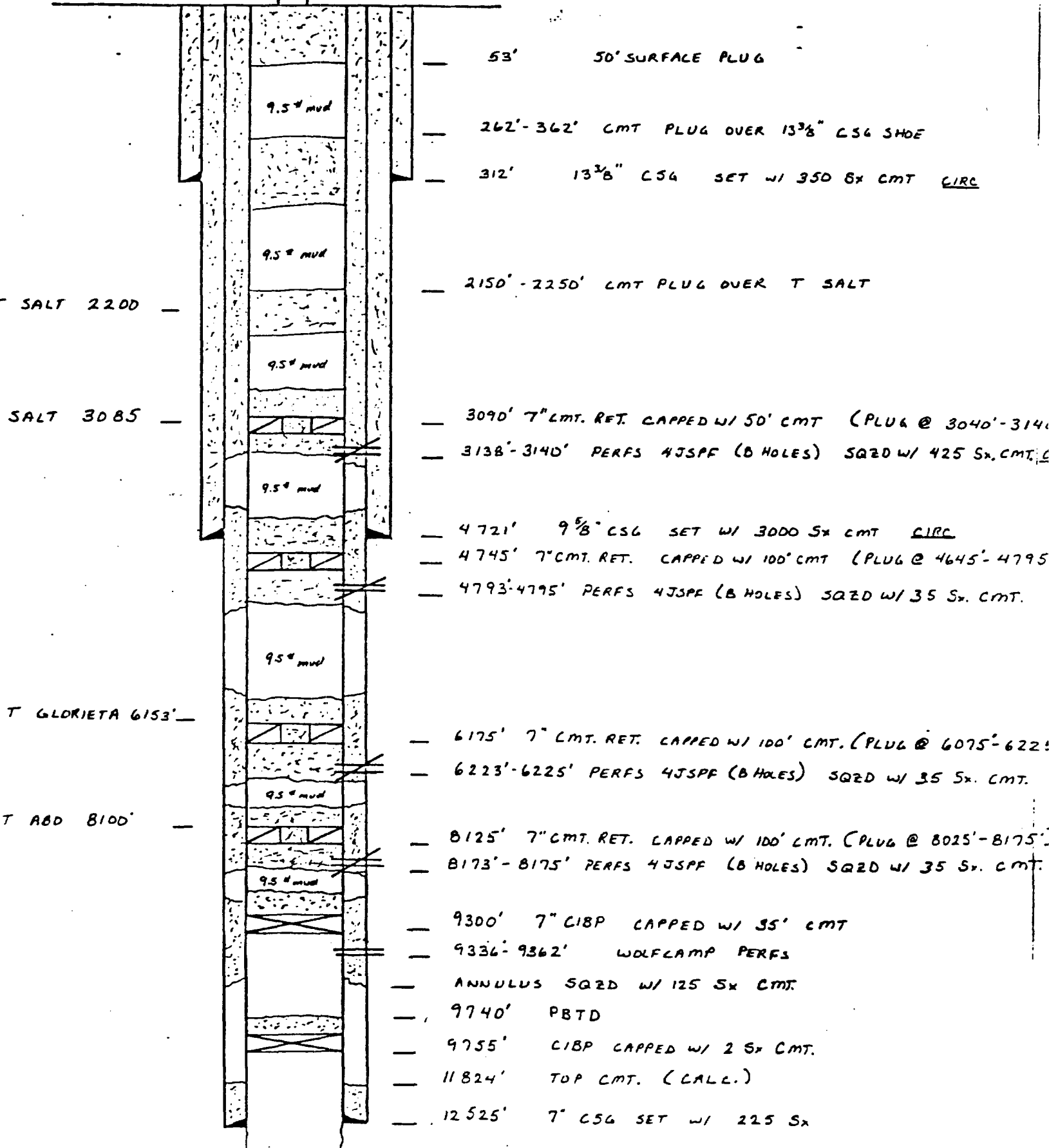
LOCATION 34-P 14S 37E
LEA CO. NEW MEXICO

SIGNED M.E. VASICEK

G.L. _____
D.F. 3822
K.B. _____
ZERO

PROPOSED

P
E
A



53' 50' SURFACE PLUG

9.5" mud

262'-362' CMT PLUG OVER 13 3/8" CSG SHO E

312' 13 3/8" CSG SET W/ 350 SX CMT CIRC

9.5" mud

2150' - 2250' CMT PLUG OVER T SALT

SALT 2200

9.5" mud

3090' 7" CMT. RET. CAPPED W/ 50' CMT (PLUG @ 3040'-3140')

SALT 3085

3138'-3140' PERFS 4JSPP (8 HOLES) SQZD W/ 425 SX. CMT.

9.5" mud

4721' 9 5/8" CSG SET W/ 3000 SX CMT CIRC

4745' 7" CMT. RET. CAPPED W/ 100' CMT (PLUG @ 4645'-4795')

4793'-4795' PERFS 4JSPP (8 HOLES) SQZD W/ 35 SX. CMT.

9.5" mud

6175' 7" CMT. RET. CAPPED W/ 100' CMT. (PLUG @ 6075'-6225')

T GLORIETA 6153'

6223'-6225' PERFS 4JSPP (8 HOLES) SQZD W/ 35 SX. CMT.

9.5" mud

8125' 7" CMT. RET. CAPPED W/ 100' CMT. (PLUG @ 8025'-8175')

T ABD 8100'

8173'-8175' PERFS 4JSPP (8 HOLES) SQZD W/ 35 SX. CMT.

9.5" mud

9300' 7" CIBP CAPPED W/ 35' CMT

9336'-9362' WOLFCLAMP PERFS

ANNULUS SQZD W/ 125 SX CMT

9740' PBTD

9755' CIBP CAPPED W/ 2 SX CMT.

11824' TOP CMT. (CALL.)

12525' 7" CSG SET W/ 225 SX

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
Texaco Producing Inc.		Mexico "F"		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
4	660' FNL & 660' FWL	2	15-S	37-E

Schematic

See Attachment

Tabular Data

Surface Casing

Size 13-3/8 " Cemented with 300 sx.
 TOC Surface feet determined by Circulated
 Hole size 17-1/2"

Intermediate Casing

Size 9-5/8 " Cemented with 1660 sx.
 TOC 144 feet determined by Temp. Survey
 Hole size 12-1/4"

Long string

Size 5-1/2 " Cemented with 1925 sx.
 TOC 5065 feet determined by Temp. Survey
 Hole size 7-7/8"

Total depth 12,550' (PBSD - 12,314')

Injection interval

12,160 feet to 12,306 feet
 (perforated or ~~open hole~~, indicate which)

NL TREATING CHEMICALS
 NL INDUSTRIES, INC.

SCALING TENDENCIES OF WATERS

COMPANY: TEXACO PRODUCING
 SAMPLE POINT: WELL #3 (DEVONIAN)
 LOCATION: MEXICO F
 DATE: 7/23/87

WATER ANALYSIS (MG/L):

SODIUM	26555.8
CALCIUM	2760.0
MAGNESIUM	268.4
CHLORIDE	45500.0
SULFATE	1075.0
BICARBONATE	573.4
IRON	0.4
BARIIUM	0.0
STRONTIUM	0.0

PH: 7.2
 IONIC STRENGTH = 1.4062

INDEX VALUES GREATER THAN ZERO INDICATE SCALING CONDITIONS
 INDEX VALUES OF ZERO OR LESS INDICATE A STABLE WATER

TEMP.	CALCITE INDEX	GYP SUM INDEX	ANHYDRITE INDEX	BARITE INDEX	STRONTIUM INDEX
60	0.52	-0.45	-0.74	-41.96	-1.00
80	0.61	-0.46	-0.64	-42.07	-1.00
100	0.75	-0.46	-0.55	-42.19	-1.00
120	0.92	-0.46	-0.47	-42.30	-1.00
140	1.14	-0.46	-0.38	-42.42	-1.00
160	1.40	-0.45	-0.28	-42.53	-1.00
180	1.70	-0.44	-0.18	-42.63	-1.00
200	2.04	-0.43	-0.07	-42.74	-1.00
220	2.44	-0.41	0.06	-42.82	-1.00
240	2.87	-0.39	0.19	-42.88	-1.00
260	3.36	-0.37	0.33	-42.88	-1.00

NL INDUSTRIES, INC.

SCALING TENDENCIES OF WATERS

COMPANY: TEXACO PRODUCING
 SAMPLE POINT: WINDMILL
 LOCATION: MEXICO F
 DATE: 7/23/87

WATER ANALYSIS (MG/L):

SODIUM	361.1
CALCIUM	68.0
MAGNESIUM	75.6
CHLORIDE	700.0
SULFATE	25.0
BICARBONATE	311.1
IRON	0.1
BARIIUM	0.0
STRONTIUM	0.0

PH: 7.7
 IONIC STRENGTH = 0.0304

INDEX VALUES GREATER THAN ZERO INDICATE SCALING CONDITIONS
 INDEX VALUES OF ZERO OR LESS INDICATE A STABLE WATER

TEMP.	CALCITE INDEX	GYPSUM INDEX	ANHYDRITE INDEX	BARITE INDEX	STRONTIUM INDEX
60	0.18	-2.47	-2.72	-40.69	-1.00
80	0.30	-2.51	-2.65	-40.83	-1.00
100	0.41	-2.53	-2.58	-40.95	-1.00
120	0.53	-2.53	-2.49	-41.04	-1.00
140	0.65	-2.52	-2.40	-41.11	-1.00
160	0.78	-2.50	-2.29	-41.16	-1.00
180	0.92	-2.47	-2.16	-41.19	-1.00
200	1.06	-2.43	-2.03	-41.20	-1.00
220	1.22	-2.39	-1.88	-41.20	-1.00
240	1.38	-2.34	-1.73	-41.19	-1.00
260	1.55	-2.30	-1.56	-41.17	-1.00

PRAIRIEVIEW 14 37

<p>1 L.C. 1-1-04 POLINA Pine N Cubola Marion C. H. H. Co. of</p>	<p>2 Sun 9-1-02 Sun 9-1-02 Sun 9-1-02</p>	<p>3 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>4 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>5 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>6 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>7 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>8 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>9 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>10 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>
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<p>21 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>22 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>23 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>24 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>25 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>26 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>27 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>28 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>29 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>30 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>
<p>31 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>32 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>33 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>34 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>35 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>36 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>37 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>38 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>39 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>	<p>40 L. L. Lewis, et al. J. L. Brown, et al. L. L. Brown, et al.</p>

DENTON

DENTON NORTH WOLF CAMP UNIT

15 37

Chamberlain

Mary D. Clayton, et al., Tr., MI Dickinson Cattle Co., et al.

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SWD 330



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

9/4/97

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

GOVERNOR

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD X _____
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

Crestridge Drilling & Prod Co LLC Mexico F #4-D-2-15s-37e
 Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

This approval is good for 60 days or Oct 7, 1997 unless
not approved in writing from Santa Fe by Oct 7, 1997.

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed