SWD 697 3/4/98

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE NEW MEXICO 87504

FORM C-108
Revised 7-1-81

RECEIVED
FEB 17 1998
OIL CONSERVATION DIVISION

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: ORYX ENERGY COMPANY
Address: P.O. Box 2880, Dallas, TX 75221-2880
Contact Party: Stephen Foge Phone: 972-715-8020

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 geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/1 or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and text data on the well. (If well logs have been filed with the Division they need not be submitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Stephen Foge Title: Proration Analyst

Signature: Stephen Foge Date: 2-13-98

If the information required under Section VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.: location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) the name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Affidavit of Publication

№ 18234

State of New Mexico,
County of Eddy, ss.

Amy McKay,
being first duly sworn, on oath says:

That she is Business Manager
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

January 24, 1998
_____, 19___
_____, 19___
_____, 19___
_____, 19___
_____, 19___

That the cost of publication is $25.06,
and that payment thereof has been made and will be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this
28th day of January, 1998

Donna Crump

My commission expires 8/1/98
Notary Public

January 24, 1998

Oryx Energy Company hereby gives public notice that it is applying to the Oil Conservation Division of New Mexico, Santa Fe, for a permit to dispose of produced saltwater by injection into a formation which is not productive of oil and/or gas.

The applicant proposes to inject fluid into Conoco State Lease Well #3, located 1650 FNL and 1650 FEL of Section 2, Lot G, T22S, R23E, Eddy County, New Mexico. Fluid will be injected into strata in the subsurface depth interval ranging from 10,000 - 10,900 at a maximum rate of 20,000 barrels of water per day and/or a maximum surface pressure of 2,000 psi.

Any objections or requests for hearing by interested parties, who can show they are adversely affected, should be submitted in writing, within fifteen days of publication, to Oil Conservation Division of New Mexico, Energy and Mineral Department, P.O. Drawer 2088, Santa Fe, New Mexico 87501. For further information, contact Oryx Energy Company, P.O. Box 2880, Dallas, Texas 75221-2880, (Telephone (972)715-8020).

Tubing size 3 1/2" 9.3# L-80 lined with plastic coating (material) set in a

Baker lock-set (brand and model) packer at 9800 feet

(or describe any other casing-tubing seal.)

Other Data

1. Name of the injection formation Devonian

2. Name of Field or Pool (if applicable) Indian Basin

3. Is this a new well drilled for injection? ☒ Yes ☐ No

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. upper penn (Dolomite) 7370 MD (Top)

INJECTION WELL DATA SHEET

SIDE 1

OPERATOR	LEASE			
ORYX ENERGY COMPANY	Conoco State			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
#3	1650' FNL + 1650 FEL	Sec 2 - T22S - R23E		

Schematic

Tabular Data

Surface Casing

Size 9 5/8 " Cemented with 970 sx.

TOC surface feet determined by visual

Hole size 14 3/4"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 7 " Cemented with 495 sx.

TOC 4600' feet determined by will run temp survey.

Hole size 8 3/4

Total depth 10,000

Injection interval

10,370 feet to 10,900 feet.

(perforated or open-hole, indicate which) open-hole

VII.

1. Proposed average and maximum daily rate @ 12,500 BWPD and 20,000 BWPD, respectively.

2. System is closed.

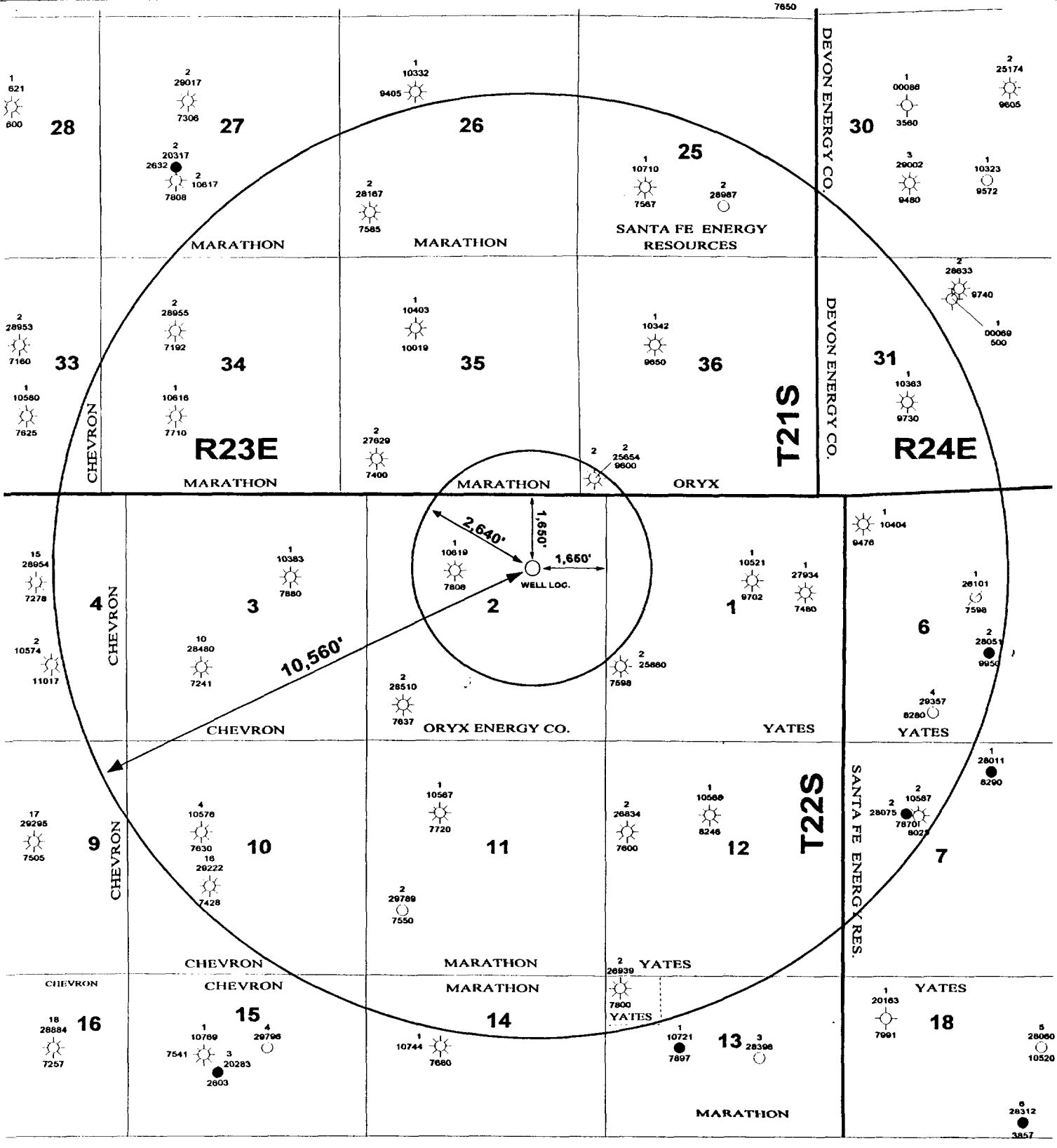
3. Proposed average and maximum daily pressure @ 1000 psig and 2000 psig.

VIII. The proposed injection zone for the Cisco-Canyon produced water is the Devonian at 1037 MD. Lithologically the Devonian formation consists of dolomite and cherty domites characterized by intercrystelline to vuggy porosity. The proposed injection zone will be the openhole interval between the top of the Devonian and 400 feet of penetrated Devonian section. The total Devonian thickness in the area is 800 feet thick. There are no known sources of drinking water in the immediate area.

IX. Proposed stimulation program consists of approximately 8,000 gallons of 15% NEFEHCL formed with nitrogen and assumes 400 feet of treating interval.

X. After penetrating the top of the Devonian formation, the attached logging program will be run from the Devonian to surface casing. It should be noted that Oryx has no plans to run logs across the 400 feet of openhole Devonian section.

XII. Oryx Energy Company has reviewed the available geologic and engineering data and has concluded that there is no known underground source of drinking water with open faults or other hydrologic connection which could communicate with the disposal water.



Scale 1:36000.

0.2 0 0.2 0.4 0.6 0.8 1 miles

N

ORYX ENERGY COMPANY

CONOCO - STATE WELL No. 3

Section 2, T22S - R 23E

EDDY COUNTY, NEW MEXICO

APPLICATION FOR WATER INJECTION

	ONSHORE	
3000.GPF	1" = 3,000'	FEDDY-PROJ.

WELLS IN AREA OF REVIEW

WELL NAME	OPERATOR	API #	TYPE WELL	SPUD DATE	TD	COMP. DATE	CASING PROGRAM
Lowe State #2	Oryx Energy	30-015-25654	Gas	10/27/86	9595	12/17/86	13-3/8" K-55 54.5# @ 324' CMTD W/370 SXS, CIRC. 9-5/8" K55 36# @ 1999' CMTD W/850 SXS, CIRC. 7" K-55 26# @ 7415' CMTD W/200 SXS, TOC @ 6350' BY T.S. 4-1/2" N-80 @ 7200 - 9595' CMTD W/350 SXS
Conoco State #1	Oryx Energy	30-015-10619	Gas	08/31/65	7808	10/08/65	8-5/8" J-55 24# @ 2298' CMTD W/550 SXS, CIRC 4-1/2" J-55 10.5 @ 7807' CMTD W/200 SXS TOC @ 5800' (CAK)

WELL COMPLETION SKETCHES ORYX-5036-4-A

WELL	FIELD	DATE
Conoco State #3	Indian Basin	1-20-98

☐ PRESENT COMPLETION ☑ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

18½" hole

16" Surface conductor

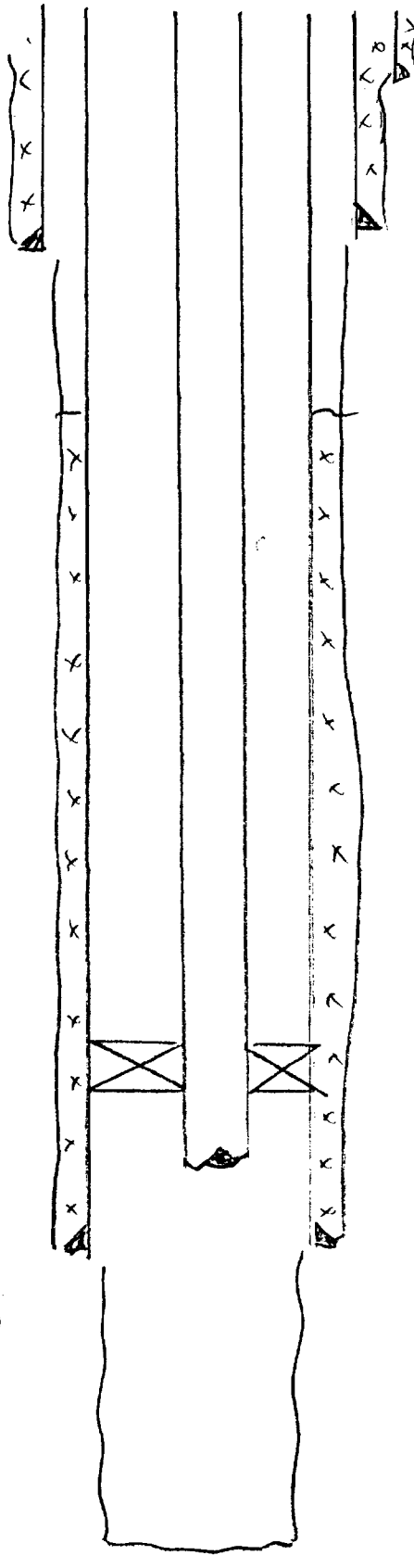
14-¾" hole

9⅝", 36#, K-55 ST&C @ 1300'
(cmt'd w/ 960 sxs, to surface)
Proposed

TOC @ 4600' (est.)

8-¾" hole

7", 23-26#, K55, @ 10,370'
+ L-80, HCL-80, LTC
(cmt'd w/ 475 sxs. proposed)



DATA ON THIS COMPLETION

GL - 3908, KB - 3920 (est')

3½" tbg @ 9900'
9.3#, L-80 P.C.

OH Devonian Fm.
10,370' - 10,900' (TD)

DRAFT

LAB. NO.
TO: Doug Casteel DATE REC 1-15-98
P.O. Box 867, Andrews, TX 79714 RR
COMPANY Oryx Energy Company Conoco State #2
FIELD
SEC BLK SURVEY CO:
NO. 1 Produced water - taken from Conoco State #2.
NO. 2
NO. 3.
NO. 4
REMARKS:

Specific Gravity @ 60oF.	1.0018
pH When Sampled	
pH When Received	4.68
Bicarbonate, as HC03	54
Supersaturated, as CaC03	
Undersaturated, as CaC03	
Total Hardness, as CaC03	450
Calcium, as Ca	100
Magnesium, as Mg	49
Sodium and/or Potassium	99
Sulfate, as SO4	0
Chloride, as Cl	440
Iron, as Fe	14.8
Barium, as Ba	0.0
Turbidity	
Color	
Total Solids, Calc.	741
Temperature, oF.	
Carbon Dioxide	
Oxygen	
Hydrogen Sulfide	159
Resistivity, ohms/m @ 77oF.	6.79
Suspended Oil	
Filtrable Solids	
Volume Filtered, ml	

Post-it® Fax Note 7671 | Date 1/16-98 | # of pages ▶ 1
To Steve Fore | From Casteel
Co./Dept. | Co.
Phone # | Phone #
Fax # 3752 | Fax #

Remarks: We are not familiar with the specific location of this well or the zone being produced, but we do note that this water is composed of essentially all condensed water vapor.

RESULTS REPORTED AS MILLIGRAMS PER LITER
MARTIN WATER LABS., INC.

Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
972 715 4000

February 13, 1998

Marathon Oil Company
PO Box 522
Midland, TX 79702

Re: Conoco State #3
Section 2, Township 22 S, Range 23 East
Eddy County, New Mexico

Gentlemen:

Oryx Energy is planning to drill the Conoco State #3 and utilize as a disposal well. The well is located 1650 feet from north line, 1650 feet from east line in Section 2, Township 22 S, Range 23 E in Eddy County, New Mexico.

Oryx intends to complete into the Devonian formation and dispose of Cisco-Canyon produced water at 2000 psi and 20,000 bbls per day maximum. All parties must file objections or request for hearing with the Oil Conservation Division, PO Drawer 2088 Santa Fe, New Mexico, 87501, within fifteen days.

In you have any questions concerning this application, please contact me at my direct office number, 972-715-8020.

Yours truly,

Stephen Fore
Proration Analyst

Enclosure:

Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
972 715 4000

February 13, 1998

Yates Petroleum
105 South 4th Street
Artesia, NM 88210

Re: Conoco State #3
Section 2, Township 22 S, Range 23 East
Eddy County, New Mexico

Gentlemen:

Oryx Energy is planning to drill the Conoco State #3 and utilize as a disposal well. The well is located 1650 feet from north line, 1650 feet from east line in Section 2, Township 22 S, Range 23 E in Eddy County, New Mexico.

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In you have any questions concerning this application, please contact me at my direct office number, 972-715-8020.

Yours truly,

Stephen Fore
Proration Analyst

Enclosures:

U.S. POSTAL SERVICE **CERTIFICATE OF MAILING**

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE FOR INSURANCE—POSTMASTER

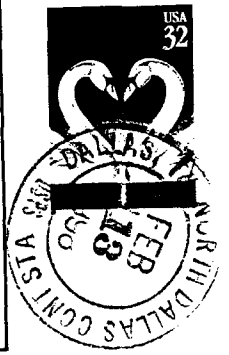
Received From:

DryX Energy Company
PO Box 2880
Dallas, TX 75221-2880

One piece of ordinary mail addressed to:

YATES Petroleum
105 South 4th ST
Artesia NM 88210

Affix fee here in stamps or meter postage and post mark. Inquire of Postmaster for current fee.



PS Form 3817, Mar. 1989

U.S. POSTAL SERVICE **CERTIFICATE OF MAILING**

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE FOR INSURANCE—POSTMASTER

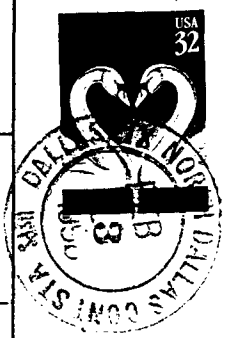
Received From:

DryX Energy Company
PO Box 2880
Dallas, TX 75221-2880

One piece of ordinary mail addressed to:

Marathon oil Company
PO Box 552
Midland TX 79702

Affix fee here in stamps or meter postage and post mark. Inquire of Postmaster for current fee.



PS Form 3817, Mar. 1989

Drilling Program - CONOCO STATE #3 January 5, 1998

OBJECTIVE

To drill and complete a Devonian salt water disposal well in the West Indian Basin field.

TOTAL DEPTH

TMD/TVD: 10,770' +/- (Permitted To 10,900')

LOCATION[OE1]

Surface Location: 1650' FNL & 1650' FEL, Ut. G Sec. 2 T22S-R23E, Eddy County, New Mexico
Bottom Hole Location: Same

ELEVATIONS

GL: 3908' KB: 3920' estimated

LEASE ROUTING

See attached routing sheet.

KEY REGULATORY REQUIREMENTS

NMOC permit no: **No Number**
API well no: 30 - 015 - xxx

WELLBORE CONFIGURATION

Hole Size	Depth	Casing Size	Remarks
18-1/2" with 16" Conductor Pipe Set and Grouted In.			
14-3/4"	1,300'	9-5/8"	Set through lost circulation zones
8-3/4"	10,000' +/-	7"	Top set above Devonian, Rig down Drilling Rig.

DISCUSSION

This well is anticipated to encounter only normal or below normal pressure formations. Well will be drilled to a depth of 10,000' with the rotary rig, 7" casing will then be set and cemented. The rotary rig will then be rigged down and moved out. A workover rig will then be moved in and drill out below the casing seat with foam and air and be completed as an open hole completion.

FORMATIONS

Zone	Depth (MD)	Remarks
Upper Penn	7,370'	Lost Circulation Will Occur In This Interval
Devonian	10,370'	Objective Disposal Interval

FORMATION EVALUATION

Platform Express: Azimuthal Laterlog/Micro-SFL w/GR (10,370' MD to Surface), Three Detector Density/Compensated Neutron/CAL/PE/GR (10,370' - 6,000'). Mudlogger on at 5300'

MUD PROGRAM

Recommended Vendor: MI out of Hobbs, N. M.

Interval	System	MW	Viscosity	Fluid Loss
Surf - 1400'	FW-GEL-LIME	8.4 - 9.0	28 - 40	n/c

Treatable water depth is estimated at 300'. Drill surface hole to 1400' to get below the lost circulation zones. It is most probable that drilling dry will be necessary.

1400 - 7000'	Water / sweeps	8.5 - 9.0	32 - 36	n/c

Drill this section with gel and water. Seepage will occur until mud up, sweep with LCM to help control.

7000' to 8300'	Gel Polymer	8.7 - 8.9	32 - 36	10 - 12cc

Drill this section with a gel-polymer system with a low water loss. Lost circulation and seepage will be handled with acid soluble materials. Keep sized calcium carbonate and Magafiber for total losses and pump pills of sized calcium carbonate for seepage. Note: A pill of XCD Polymer mixed at 1.5 to 2 lbs/bbl half way through the Penn and again through the Penn will help minimize losses if they persist.

8300' to TD	Gel Polymer	8.7 - 8.9	38 - 42	<10 cc

By 8,300' add 4 lb/bbl Soltex to system to control sticking and torque problems.

SOLIDS CONTROL

Run available solids control equipment when possible, to control low gravity solids and mud weight.

DIRECTIONAL PLAN

Run deviation surveys every 500' minimum and at bit trips.

CASING DESIGN

Casing Seat	Length	OD Size	Wt/ft	Grade	Joint
1400'	1400'	9-5/8"	36	K-55	ST&C
10,000'	3,000'	7"	26	K-55	LTC
	3,000'	7"	23	L-80	LTC
	4,000'	7"	23	HCL-80	LTC
Tubing	9800'	3-1/2"	9.3	L-80	EUE - Plastic Coated

All threads should be doped w/ Oil Center Research OCR-318 thread lubricant.
Test 9-5/8" casing to 500 psi before drilling out. Test 7" casing to 1000 psi after bumping plug.

CASING INSPECTION, FLOAT EQUIPMENT AND CENTRALIZATION

9-5/8" Guide shoe and a insert float. Centralize shoe and first two joints, then every fourth joint to surface. Threadlock shoe and first two joints. Inspect casing VTI, TP and FLD.

7" Guide shoe, one joint and float collar. Centralize shoe and first two joints, then every 20' to 100' above the Pen. Threadlock float equipment. Inspect casing VTI, TP and FLD.

WELLHEAD EQUIPMENT

Bradenhead 11" - 3M x 9-5/8" Slip on C22 (ERC)

Tubinghead 11" - 3M x 7-1/16" - 3M TCM (ERC)

Tree 7-1/16" - 3M x 3-1/16" x 5M Injection Valve, Tee, and Meter.

CEMENTING

Recommended Vendor: Dowell-Schlumburger Hobbs, New Mexico (505) 393-6186

Casing	Type	Description	TOC	Weight	Yield	Excess	WOC
9-5/8"	Lead	540 sx 35:65:6 Poz:A:Gel + 10 #/sx Kolite	Surface	12.1	2.23	100%	4 hrs
	Tail	420 sx class "C" + 2 % CaCl2	900'	14.8	1.34	100%	4 hrs

Cement volumes calculated using 14-3/4" hole size. Adjust volumes if 13-1/2" hole size is drilled. Pilot test cement with rig water for compatibility and final properties prior to job. Take wet and dry samples of all cement slurries. Proceed with 40 bbls fresh water as preflush. Reciprocate casing prior, during and while displacing cement. Displace cement as fast as possible.

Casing	Type	Description	TOC	Weight	Yield	Excess	WOC
7"	Lead	265 sx 35:65:6 Poz:H:Gel + 10 #/sx Kolite	4600'	12.1	2.23	50%	4 hrs
	Tail	220 sx class "H" + 0.6% D65 Flac	6200'	15.6	1.18	50%	4 hrs

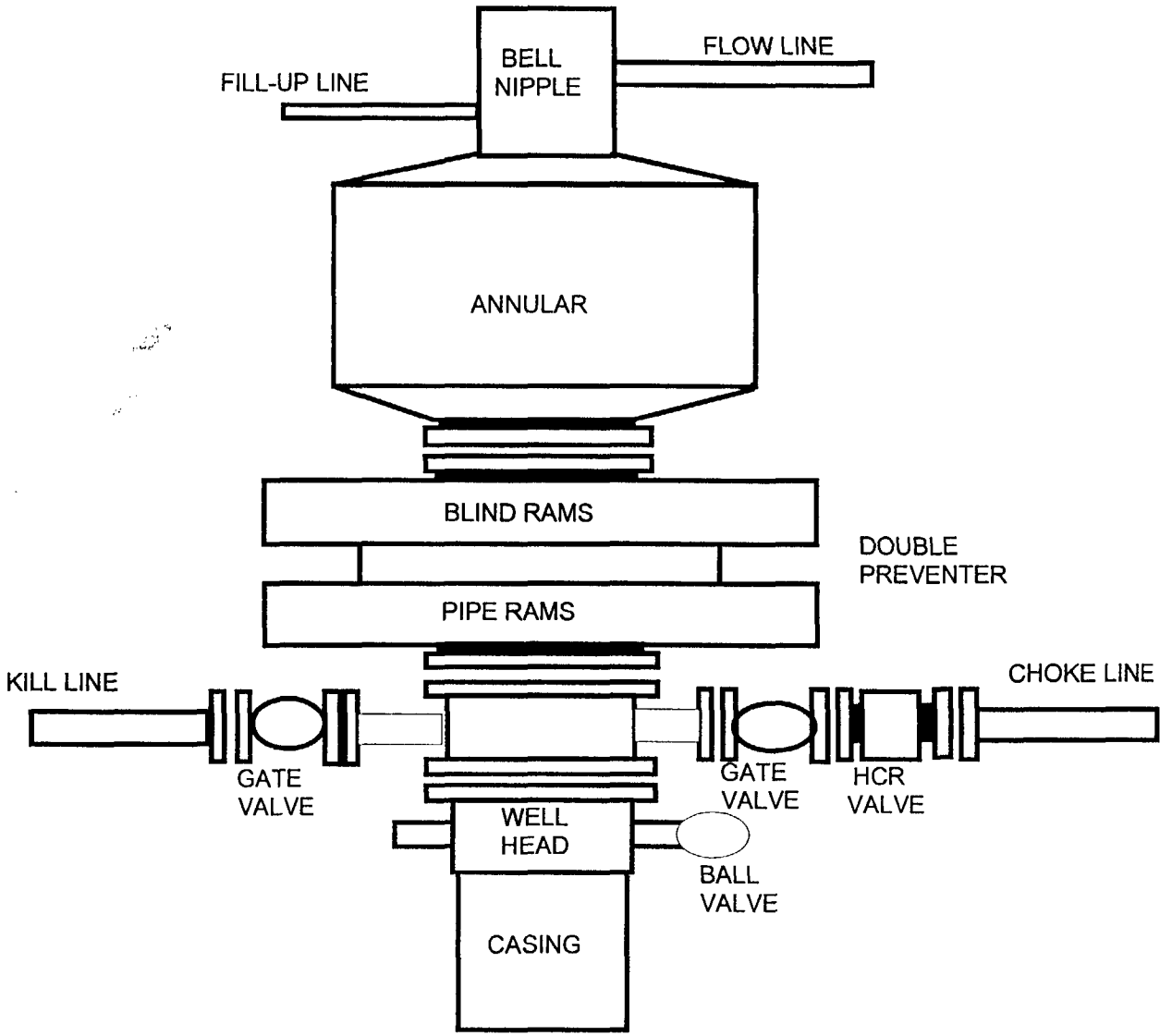
Pilot test cement with rig water for compatibility and final properties prior to job. Take wet and dry samples of all cement slurries. Cement volumes can be altered using calliper + 15 %. Reciprocate casing prior, during and while displacing cement. Proceed with 30 bbls fresh water as preflush. Displace cement at 7+ BPM with freshwater unless fluid loss becomes a problem. Use top and bottom plugs. Test 7" to 1000 psi after bumping plug.

Originator: _____ Date: _____
Ronnie N. Hawkins, Oryx Energy Company

Approved: _____
Billy J. Lewis, Oryx Drilling Consultant

ORYX ENERGY COMPANY

BOP STACK FOR A 5,000 PSI WORKING PRESSURE FOR SURFACE USE



Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-015-30020

5. Indicate Type Of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. 22336

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER DISPOSAL

b. Type of Completion: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name: CONOCO STATE

2. Name of Operator: ORYX ENERGY COMPANY

8. Well No. 3

3. Address of Operator: P.O. Box 2880, Dallas, TX 75221-2880

9. Pool name or Wildcat: UNCL DEVONIAN

4. Well Location
Unit Letter G : 1650 Feet From The NORTH Line and 1650 Feet From The EAST Line

Section 2 Township 22S Range 23E NMPM EDDY County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl.(Ready to Prod.)	13. Elevations(DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
01-30-98	03-11-98	03-19-98	3908 GL	3910

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
10620'	10620' OH			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: DEVONIAN 10,165 - 10,620

20. Was Directional Survey Made: YES

21. Type Electric and Other Logs Run: AZIMUTUAL LATEROLOG

22. Was Well Cored: NO

23. **CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	CONDUCTER	25'		GROUTED IN	
9 5/8"	36# K-55	1404'	14 3/4"	1360 SX CMT & 10 YRDS PEA	GRAVEL
7"	23 & 26#	10,165'	8 3/4"	1170 SX CMT	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
3 1/2"	10,096'	10,096'

26. Perforation record (interval, size, and number)

10,165' - 10,620 OH

27. ACID, SHOT, FRACTURE, CEMENT, SQEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,165-10,620'	10,000 GALS 15% HCL & 68 BBLS KCL

28. **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
03-23-98	DISPOSAL	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
05-06-98	24 HRS					6254	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)
VAC	0				6254	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments
LOGS, DEVIATION REPORT, DRILLING + COMPL. REPORT

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature [signature] Printed Name STEPHEN FORE Title PRORATION ANALYST Date 05-07-98

ORYX Energy
Conoco St. #3
Eddy Co., NM

STATE OF NEW MEXICO
DEVIATION REPORT

250	1/4	8,159	2
495	3/4	8,472	1-3/4
738	1	8,596	1-3/4
1,006	1-3/4	9,129	1-3/4
1,070	1-3/4	9,626	1
1,131	1-3/4	9,913	1
1,226	1-1/2	10,310	2
1,404	1	10,620	2-1/4
1,898	1		
2,370	1/2		
2,844	1/4		
3,320	1/2		
3,793	1-1/4		
4,073	1		
4,572	1-1/4		
5,051	1-1/2		
5,523	2		
6,000	3		
6,095	2-3/4		
6,242	2-3/4		
6,352	3		
6,446	2-3/4		
6,543	3		
6,639	3		
6,735	3-3/4		
6,829	4-1/4		
6,861	4-1/4		
6,925	4-1/2		
7,018	3-3/4		
7,083	3		
7,217	1-1/2		
7,716	2-3/4		
7,876	2-1/2		

By: Ray Peterson

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this 3rd day of March, 1998, by RAY PETERSON on behalf of PETERSON DRILLING COMPANY.

Notary Public for Midland County, Texas

My Commission Expires: 8/2/2000

ALICE KEEL
NOTARY PUBLIC
State of Texas
Comm. Exp. 08-02-2000

*** TIGHT HOLE - DO NOT RELEASE INFORMATION ***
API NO: 30-015-30020 ORYX WELLBORE NO: 023686
CONOCO STATE #3
LOC: 1,650' FNL & 1,650' FEL, SEC. 2, T-22-S, R-23-E SPUD DATE: 980129
API CNTY/ST: EDDY, NEW MEXICO
CURR COMPL TYPE/STATUS: SWD/I
FIELD: INDIAN BASIN
*** INITIAL ***
PD REGION: ONSHORE
TARGET TMD: 10770 TVD:
TARGET FORMATION: DEVONIAN

DRILLING/ACTIVE
01/30/98
*** FIRST REPORT ***
TMD: 70 TVD: 70 PBTMD: 0 PBTVD: 0
05:00 22:00 01A SET CONDUCTOR/25'-16", GROUTED IN/MIRU
PETERSON RIG #3
22:00 05:00 02A A SPUD/DRILLING 14.750" SURFACE HOLE
NO PROBLEMS/NO ACCIDENTS

01/31/98
TMD: 135 TVD: 135 PBTMD: 0 PBTVD: 0
05:00 05:00 02A A DRILLING F/70' T/135' - NO PROBLEMS/NO LOSS
CIRCULATION/NO ACCIDENTS

02/01/98
TMD: 425 TVD: 425 PBTMD: 0 PBTVD: 0
05:00 19:45 02A A DRILLING F/135' T/296'
19:45 20:00 10A RAN W/L SURVEY @ 250'-1/4 DEG.
20:00 05:00 02A A DRILLING F/296' T/425' W/GOOD RETURNS
NO PROBLEMS
NO ACCIDENTS

02/02/98
TMD: 985 TVD: 985 PBTMD: 0 PBTVD: 0
05:00 10:00 02A A DRILLING F/425' T/511'-LOSS CIRCULATION
10:00 11:45 06A D TRIP OUT OF HOLE AND LD IBS
11:45 13:00 02A A DRY DRILLING F/511' T/535'
13:00 13:15 10A RAN DEV. SURVEY @ 495'-3/4 DEG.
13:15 22:30 02A A DRY DRILLING F/535' T/778'
22:30 22:45 10A RAN DEV. SURVEY @ 778'-1 DEG.
22:45 05:00 02A A DRY DRILLING F/778' T/985'
NO PROBLEMS
NO ACCIDENTS

CONOCO STATE #3

02/03/98

TMD: 1404 TVD: 1404 PBTMD: 0 PBTVD: 0

05:00	07:00	02A	A	DRILLING 985-1046 W/ NO RETURNS
07:00	07:15	10A		SURVEYS 1.75 DEG- 1006
07:15	10:15	02A	A	DRILLING 1046-1110
10:15	10:30	10A		SURVEYS 1.75 DEG-1070
10:30	14:00	02A	A	DRILLING 1110-1171
14:00	14:15	10A		SURVEYS 1.75 DEG-1131
14:15	19:15	02A	A	DRILLING 1171-1266
19:15	19:30	10A		SURVEYS 1.50 DEG-1226
19:30	02:45	02A	A	DRILLING 1266-1404
02:45	03:15	05A	A	CIRC & PUMP 80 BBLS HI-VIS MUD
03:15	05:00	06A	D	TRIPPING OUT TO RUN SURF CSG- LD 8" DC

02/04/98

TMD: 1404 TVD: 1404 PBTMD: 0 PBTVD: 0

05:00	07:30	12A	A	RUN CASING/ RAN 32 JTS 9 5/8" 36# K-55 STC CSG (1410') SET 1404'
07:30	09:00	12A	C	RU D-S / CEMENTED W/540 SXS 35;65 POZ A + 6% GEL + 10#/ SX KOLITE / 12.1 PPG /2.23 YLD TAIL; 420 SXS C + 2% CACL2 / 14.8 PPG / 1.34 YLD / NO RETURNS TO SURFACE
09:00	15:00	13A		WAITING ON CEMENT
15:00	16:15	10B		SURVEYS RU PRO WIRE LINE /RAN TEMP SURVEY TOC AT 720' /RD PRO WL
16:15	17:15	23B	D	PROBLEMS RAN 1' TBG TO 667' / D-S CEMENTED W/100 SXS C + 3% CACL2
17:15	19:15	13B		WAITING ON CEMENT
19:15	20:15	23B	D	PROBLEMS RAN 1" TBG TO 667'/ DID NOT TAG CEMENT / D-S CEMENTED W/100 SXS C + 3% CACL2
20:15	22:00	13B		WAITING ON CEMENT
22:00	23:00	23B	D	PROBLEMS FILLED CSG/HOLE ANNULUS W/ 10 YDS PEA GRAVEL TO 260'
23:00	00:30	23B	D	PROBLEMS LOAD HOLE W/ WATER /RAN 1" TBG TO 260'/ D-S CEMENTED W/200 SXS C + 2% CACL2 CIRC 5 SXS TO SURFACE
00:30	04:30	13B		WAITING ON CEMENT
04:30	05:00	14A		NU BOPS

02/05/98

TMD: 2000 TVD: 0 PBTMD: 0 PBTVD: 0

05:00	11:15	14A		NU BOPS / TIH W/ NEW BHA
11:15	12:30	02A	A	DRILLING FLOAT AND CEMENT TO 1390'
12:30	13:00	15A		TEST BOPS AND CASING TO 1500 PSI / OK
13:00	13:30	25A		DRILL OUT CEMENT AND SHOE / DRILL AHEAD
13:30	15:00	02A	A	DRILLING 1404-1429 W/ FULL RETURNS
15:00	18:00	06A	D	TRIPPING FOR TRI-DRILL COLLAR (3 SIDES)
18:00	03:45	02A	A	DRILLING 1429-1938
03:45	04:00	10A		SURVEYS 1.0 DEG-1898
04:00	05:00	02A	A	DRILLING 1938-2000

CONOCO STATE #3

02/06/98

TMD: 2990 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 13:45 02A A DRILLING 2000-2410
13:45 14:00 10A SURVEYS .50 DEG-2370
14:00 02:15 02A A DRILLING 2410-2884
02:15 02:30 10A SURVEYS .25 DEG-2844
02:30 05:00 02A A DRILLING 2884-2990

02/07/98

TMD: 3760 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 15:45 02A A DRILLING 2990-3360 (370')
15:45 16:00 10A SURVEYS .50 DEG-3320'
16:00 05:00 02A A DRILLING 3360-3760 (400')

02/08/98

TMD: 4395 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 07:30 02A A DRILLING 3760-3833 (73')
07:30 07:45 10A SURVEYS 1.25 DEG-3793
07:45 18:15 02A A DRILLING 3833-4113 (280')
18:15 18:30 10A SURVEYS 1.0 DEG- 4073
18:30 05:00 02A A DRILLING 4113-4395 (282')

02/09/98

TMD: 5043 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 13:45 02A A DRILLING 4395-4615 (220)
13:45 14:00 10A SURVEYS 1.15 DEG-4572
14:00 05:00 02A A DRILLING 4615-5043 (428)

02/10/98

TMD: 5710 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 07:00 02A A DRILLING 5043-5091 (48)
07:00 07:30 10A SURVEYS 1.50 DEG-5051
07:30 23:45 02A A DRILLING 5091-5563 (472')
23:45 00:15 10A SURVEYS 2.0 DEG-5523
00:15 05:00 02A A DRILLING 5563-5710 (147')

02/11/98

TMD: 6262 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 17:30 02A A DRILLING 5710-6040 (330')
17:30 18:00 10A SURVEYS 3.0 DEG-6000
18:00 22:30 02A A DRILLING 6040-6135 (95')
22:30 23:00 10A SURVEYS 2.75 DEG-6095
23:00 04:30 02A A DRILLING 6135-6262 (127')
04:30 05:00 10A SURVEYS RUNNING WL SURVEY AT 6222

CONOCO STATE #3

02/12/98

TMD: 6590 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 06:30 02A A DRILLING 6262-6292 (30') SURVEY 2.75 DEG-6245
06:30 07:15 06A A TRIPPING FOR BIT
07:15 09:45 08B A RIG REPAIR / CAT HEAD CHAIN
09:45 12:00 06A A TRIPPING FOR BIT /LD TRI DRILL COLLAR
12:00 14:00 06A A TRIPPING IN HOLE /PICK UP 1 DC+REAMING IBS
14:00 14:30 06A A TRIPPING WASH 30' TO BOTTOM
14:30 19:45 02A A DRILLING 6292-6390 (98')
19:45 20:15 10A SURVEYS 3.0 DEG-6350
20:15 00:15 02A A DRILLING 6390-6486 (96')
00:15 00:45 10A SURVEYS 2.75 DEG-6446
00:45 04:15 02A A DRILLING 6486-6583 (97')
04:15 04:45 10A SURVEYS 3.0 DEG-6543
04:45 05:00 02A A DRILLING 6583-6590 (7')

02/13/98

TMD: 6965 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 08:00 02A A DRILLING 6590-6679 (89')
08:00 08:30 10A SURVEYS 3.0 DEG-6639
08:30 12:00 02A A DRILLING 6679-6775 (96')
12:00 12:45 10A SURVEYS 3.75 DEG-6735
12:45 17:30 02A A DRILLING 6775-6869 (94')
17:30 18:00 10A SURVEYS 4.25 DEG-6829
18:00 23:45 02A A DRILLING 6869-6901 (68')
23:45 00:15 10A SURVEYS 4.25 DEG-6861
00:15 04:30 02A A DRILLING 6901-6965 (64')
04:30 05:00 10A SURVEYS 4.50 DEG-6925

02/14/98

TMD: 7296 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 10:45 02A A DRILLING 6965-7058 (93')
10:45 11:15 10A SURVEYS 3.75 DEG-7018
11:15 16:45 02A A DRILLING 7058-7123 (65')
16:45 17:15 10A SURVEYS 3.0 DEG- 7083
17:15 00:15 02A A DRILLING 7123-7217 (94')
00:15 00:45 10A SURVEYS 1.50 DEG- 7217
00:45 05:00 02A A DRILLING 7217-7296 (79')

02/15/98

TMD: 7715 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 05:00 02A A DRILLING 7296-7715 (419') W/ FULL RETURNS

02/16/98

TMD: 8015 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 08:00 02A A DRILLING 7715-7758 (43)
08:00 08:30 10A SURVEYS 2.75 DEG-7716
08:30 20:00 02A A DRILLING 7758-7916 (158')
20:00 20:30 10A SURVEYS 2.50 DEG- 7876
20:30 05:00 02A A DRILLING 7916-8015 (99)

CONOCO STATE #3

02/17/98
TMD: 8276 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 20:30 02A A DRILLING 8015-8199 (184')
20:30 21:00 10A SURVEYS 2.0 DEG-8159
21:00 05:00 02A A DRILLING 8199-8276 (77')

02/18/98
TMD: 8563 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 00:00 02A A DRILLING 8276-8512 (236')
00:00 00:30 10A SURVEYS 1.75 DEG-8472
00:30 05:00 02A A DRILLING 8512-8563 (51')

02/19/98
TMD: 8775 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 07:30 02A A DRILLING 8563-8590 (27')
07:30 12:30 06A A TRIPPING FOR BIT
12:30 13:00 09A CUT DRLG LINE
13:00 15:15 06A A TRIPPING IN HOLE
15:15 05:00 02A A DRILLING 8590-8775 (185')

02/20/98
TMD: 9026 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 05:00 02A A DRILLING 8775-9026 (251')

02/21/98
TMD: 9325 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 17:00 02A A DRILLING 9026-9169 (143')
17:00 17:45 10A SURVEYS 1.75 DEG-9129
17:45 05:00 02A A DRILLING 9169-9325 (156')

02/22/98
TMD: 9570 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 05:00 02A A DRILLING 9325-9570 (245')

02/23/98
TMD: 9806 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 14:45 02A A DRILLING 9570-9666 (96')
14:45 15:30 10A SURVEYS 1.0 DEG-9626
15:30 05:00 02A A DRILLING 9666-9806 (140')

02/24/98
TMD: 9945 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 10:15 02A A DRILLING 9806-9839 (33')
10:15 18:30 06B A TRIPPING FOR BIT
18:30 05:00 02A A DRILLING 9839-9945 (106')

02/25/98
TMD: 10164 TVD: 0 PBTMD: 0 PBTVD: 0
05:00 05:00 02A A DRILLING 9945-10,164 (219)

CONOCO STATE #3

02/26/98

TMD: 10596 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 15:30 02A A DRILLING 10,164-10,350 (186')
15:30 16:15 10A SURVEYS 2.0 DEG-10,310'
16:15 21:30 02A A DRILLING 10,350-10,455 (105')
(DAYWORK STARTED 10,400' - 18:00 HRS)
21:30 23:15 26A OTHER CIRC. SAMPLES
23:15 05:00 02A A DRILLING 10,455-10,596 (141')

02/27/98

TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 06:30 02A A DRILLING 10,596-10,620 (24') TD
06:30 09:30 05A A CIRC & COND MUD
09:30 15:00 06A C TRIPPING OUT OF HOLE FOR LOGS/ SLM 10,620'
15:00 21:00 11A A RU SCHLUMBERGER/ RAN PLATFORM EXPRESS LOGS
10,620- SURFACE / RD SCHLUMBERGER
21:00 22:30 06A B TRIP IN HOLE
22:30 23:00 09A CUT DRLG LINE
23:00 01:15 06A B FINISH TIH
01:15 05:00 24A A WAITING ON ORDERS / C&CM

02/28/98

TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 07:00 24A A WAITING ON ORDERS / C&CM
07:00 10:30 24A C WAITING ON LAY DOWN MACHINE /C&CM
10:30 17:30 06A H TRIPPING / RU BULL ROGERS LD MACHINE /
LD DP-DC
17:30 19:00 12A B RU BULL ROGERS CASING TOOLS
19:00 04:00 12A A RUN CASING/ RAN 238 JTS 7" 23#-26# CSG
(10,165') W/ DAVIS-LYNCH SHOE PACKER /SET
AT 10,147' / CENTER PACKER 10,142'
04:00 05:00 05A A CIRC & COND MUD

03/01/98

TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0

05:00 06:00 12A C DROP DAVIS-LYNCH FREE FALL PLUG. PRESSURE
UP/SET PACKER/ OPEN STAGE TOOL
06:00 07:00 05A A CIRC & COND MUD
07:00 10:30 12A C RU DS/ CEMENTED CSG W/ LEAD: 100 SXS 35:65
POZ H +6% GEL+ 5#/SX KOLITE/ 12.1 PPG / 2.26
YLD / TAIL W/ 1065 SXS H + 0.6% D65 + 5#/SX
D42 + 0.15% D800/ 15.6 PPG/ DISP W/ 396 BBLS
FW / BUMP PLUG W/ 1500 PSI OVER/ CLOSE DV
TOOL/ RELEASE PSI/ OK/ 15 MINUTES LATER, AIR
POCKET FLOW BACK/ PSI UP ON PLUG/ RELEASE
PSI/ WATCH FOR 1 1/2 HOURS/ OK/ RD DS
10:30 17:00 13A WAITING ON CEMENT/ ND BOP/ SET SLIPS
CUT OFF CSG/ NU WH/ CLEAN PITS/ RELEASE
RIG AT 17;00 HRS/ 02/28/98
RAN TEMP SURVEY/ TOC 6450'

CONOCO STATE #3

COMPLETION/ACTIVE
03/02/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
MOVE OFF DRLG RIG/

03/03/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
PREP LOC FOR COMP/

03/04/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
MIRU DAWSON 3-3-98/ NU BOP/ RIH W/6-1/8" RB & 6 3-1/8" DCS ON 2-7/8" WS TO 6568'/ SDFN/

DETAIL COST UPDATE BY XMKLMM 03/05/98 FOR AFE=15095
ADJUST

03/05/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
FTIH TO CMT @ 10109'/ DO CMT, RUBBER PLUG & FS @ 10147'/ DISP CSG W/2% KCL WTR/ STILL DO CMT @ 10177'/ SDFN/

03/06/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
DO CMT 10177-187'/ BIT WORN OUT/ TOH/ TIH W/NEW BIT TO 10187'/ DO CMT 10187-208'/ CIRC CLN/ PU CLEAR/ SDFN/

03/07/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
TAG FILL 6' HIGH/ CONT DO CMT 10208-365'/ CIRC CLEAN/ PU INTO CSG/ SDFN/

03/08/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WELL ON VAC/ TAG FILL @ 10216'/ WASH TO 10301'/ CIRC CLEAN/ PU INTO CSG/ SD DUE TO HIGH WINDS/

03/09/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WELL ON VAC/ LOAD HOLE W/5 BW/ WASH TO 10365'/ DO HOLE 10365-620'/ CIRC CLEAN/ PU CLEAR/ SDFN/

03/10/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
SIP-VAC/ LWR W/BIT TO 10619'/ TOH/ TIH W/PERF CLEAN TOOL ON 2-7/8" WS TO 10130'/ SDFN/

03/11/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WELL ON SLT VAC/ LOAD W/5-1/2 BW/ LWR PERF CLEAN TOOL TO 10620'/ WASH FORM 10620-10147' W/10000 GALS 15% HCL + ADDITIVES/ AIR 3 BPM W/2470#/ MAX TP 3230#/ FLUSH TBG W/68 BBLS KCL WTR/ WELL ON VAC/ TOH W/2-7/8" TBG/ SDFN/

CONOCO STATE #3

03/12/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
TIH W/BKR 7" LOKSET PKR, ON-OFF TOOL W/2.31" PROFILE ON 3-1/2" 9.3# L-80 DUOLINE COATED TBG/ 240 JTS IN HOLE/ SDFN/

03/13/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
FTIH W/PKR TO 10096'/ SPACE OUT TBG/ CIRC ANN W/2% KCL WTR + TRETOLITE XC-402/ SET PKR @ 10,096'/ ND BOP/ NU TREE/ SWI/ RD RR ON 3-12-98/

03/14/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WO H-5

03/15/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WO H-5

03/16/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
WO H-5

03/17/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
PREP RUN MIT TODAY/

03/18/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
NO REPORT/

03/19/98
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
RAN MIT/ POI/

03/20/98
*** FINAL REPORT ***
TMD: 10620 TVD: 0 PBTMD: 0 PBTVD: 0
INJ 1100 BW/ TP VAC/ *FINAL REPORT*

6 P.M.
7
8
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11
MIDNIGHT
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6 A.M.
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GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
30 min
test
Conoco St #3 Gas tst
BR 2221

AMEND SWD 5/3/99

KERR-McGEE

P.O. BOX 2880 • DALLAS, TEXAS 75221-2880

April 14, 1999

State of New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
David R. Catanach
2040 S. Pacheco
Santa Fee NM 87505

Re: Conoco State #3 SWD (API# 30-015-30020)

Dear David

As per our conversation on 4/14/99 in reference to the Conoco State #3 SWD well in Eddy county. On March 9, 1998 the Division approved Administrative Order SWD- 697. We here by request to amend the permit to reflect a change to the size of tubing from 3 ½" to 4 ½". The purpose is to increase the rate of injection. If you have an question call me at (972) 715-4603.

Respectfully Yours,

Edgar L. Perez
Proration Analyst
Kerr McGee Corp.

K - gave OCD to Steven Ford 5/19/99 DJC

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: ORYX ENERGY CO. Well: CONOCO ST. No.3

Contact: STEPHEN FORE Title: PRORATION ANALYST Phone: 972·715·8020

DATE IN 2·17·98 RELEASE DATE 3·4·98 DATE OUT 3·5·98

Proposed Injection Application is for: ___ **WATERFLOOD** ___ Expansion ___ Initial

Original Order: R-_____ ___ Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS X **SALT WATER DISPOSAL** ___ Commercial Well

___ WIPP ___ Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd _____

AREA of REVIEW WELLS

2 Total # of AOR

YES Tabulation Complete

YES Cement Tops Adequate

0 # of Plugged Wells

___ Schematics of P & A's

___ AOR Repair Required

INJECTION FORMATION

Injection Formation(s) DEVONIAN Compatible Analysis YES

Source of Water or Injectate CISCO - UPPER PENN PROD.

PROOF of NOTICE

___ Copy of Legal Notice

___ Correct Operators

NO Objection Received

___ Information Printed Correctly

___ Copies of Certified Mail Receipts

___ Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____