

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
March 4, 2004

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		² OGRID Number 025575 API Number 30 - 025-24812
³ Property Code 33987	⁵ Property Name Meteor BEM State	⁶ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	11S	34E		1980	North	1980	West	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

⁹ Proposed Pool 1 Four Lakes, Pennsylvania, Atoka North	¹⁰ Proposed Pool 2
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Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	11s	34E		19870	North	1980	West	Lea

Depth to ground water Approximately 45'	Distance from nearest fresh water well 1200'	Distance from nearest surface water 2600'
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¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4144'
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¹⁶ Multiple No	¹⁷ Proposed Depth 12450'	¹⁸ Formation Austin	¹⁹ Contractor	²⁰ Spud Date 05/05/2004
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²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5"	12 3/4"	33.3	350-In Place	350	0
11"	8 5/8"	30#	400 to 4220 - In Place	200	400'
	8 5/8"	30#	0-400-Stub In	150	0
7 7/8"	5 1/2"	17-20#	4738' to 12221 - in Place	725	7900'
	5 1/2"	17#	0-4738' - Stub In	200	3800'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED SHEETS

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Re-Enter

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

Signature:

Clifton May

Printed name: Clifton May

Title: Regulatory Agent

E-mail Address: debbiec@ypcn.com

Date: 5/04/04

Phone: (505) 748-4347

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

MAY 17 2004

Approval Date:

Expiration Date:

PETROLEUM ENGINEER

Conditions of Approval:

Attached ☐

**Yates Petroleum Corporation
Meteor BEM State Re-entry
1980' FNL and 1980' FWL
Section 23-T11S-R34E
Lea County, New Mexico
Lease VO-5562**

Yates' plan is to re-enter the well with a pulling unit and a reverse unit to drill out cement plugs in the 12 ¾" casing and to clean out the well to the top of the 8 5/8" casing stub at 400'.

The 8 5/8" casing will be dressed off and new 8 5/8 will be run, joined to the stub and cemented with 150 sacks of cement. The 8 5/8" casing will be cleaned out to the plug at 4180' and the casing will be tested. Cement will be drilled from 4180' to the 5 ½" casing stub at 4738'. The 5 ½" casing will be dressed off and new 5 ½" casing will be run and joined to the stub and cemented to approximately 3800' with 200 sacks of cement.

The 5 ½" casing will be cleaned out and the cement at 11500' to 11600' will be drilled out to the packer at 11600'. The packer will be milled out and the well will be cleaned out to the PBTD of 12140'. The well will be completed with a pulling unit in the original Atoka interval 11765-11779'. The mud program will be 9.2 to 9.5 ppg brine water with viscosity of 55-70 cp.

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811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-24812	Pool Code 76880	Pool Name Four Lakes Pennsylvanian, Atoka North
Property Code	Property Name Meteo BED State	Well Number 1
OGED No. 25575	Operator Name Yates Petroleum Corporation	Elevation 4144

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	11 S	34E		1980	North	1980	West	Lea

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill	Consolidation Code	Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Clifton R. May Printed Name Regulatory Agent Title May 4, 2004 Date	
				SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Refer to original plat Date Surveyed Signature & Seal of Professional Surveyor	
				Certificate No.	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-122
Supersedes O-120
Effective 1-1-74

All distances must be from the outer boundaries of the Section

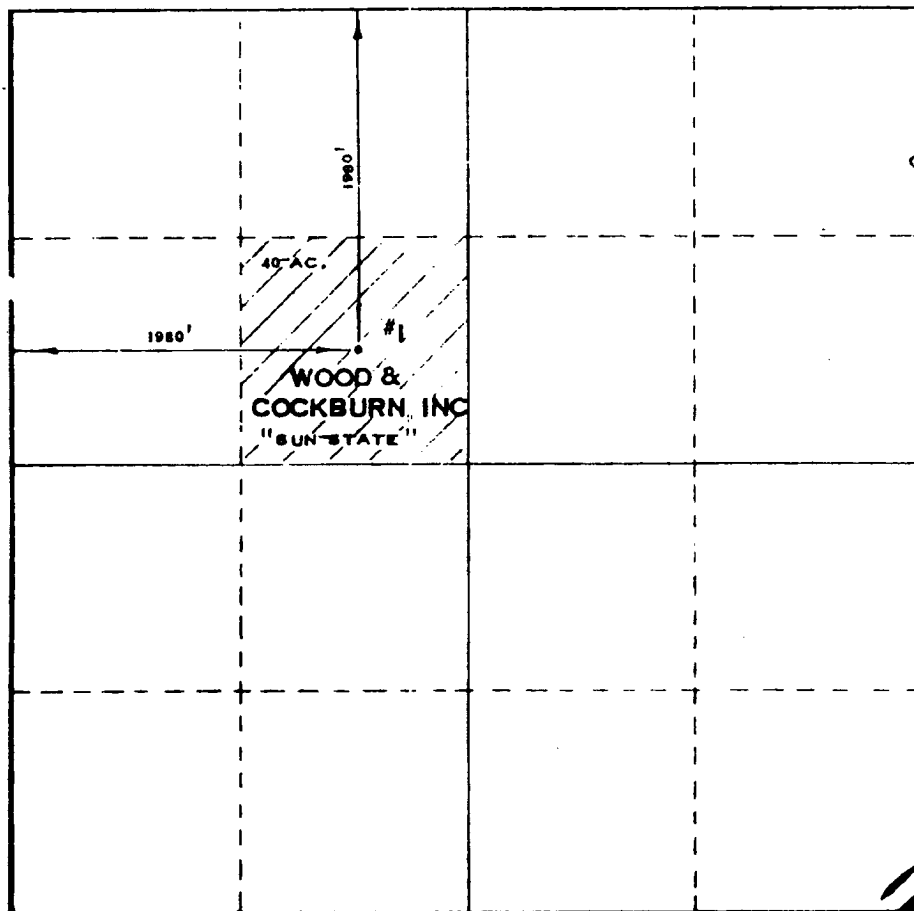
Operator WOOD & COCKBURN, INC.		Lease SUN-STATE		Well No. 1
Unit Letter "F"	Section 23	Township 11-S	Range 34-E	County LEA
Actual Footage Location of Well:				
1980	feet from the NORTH	Line and	1980	feet from the WEST
Ground Level Elev. 4144	Producing Formation DEVONIAN	Lease WILDCAT	Estimated Acreage 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

R. K. Belcher

Name **R. K. Belcher**

Vice President Production

Position

WOOD & COCKBURN, INC.

Company

July 22, 1974

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

JULY 22, 1974

Registered Professional Engineer and Land Surveyor

[Signature]

Certificate No.

1510

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3600

METEOR BEM ST. #1

Well Name: Sun-State No. 1 Field: _____

Location: 1980' FNL & 1980' FWL Sec. 23-11S-34E Lea Co, NM

GL: 4144' Zero: _____ AGL: _____ KB: _____

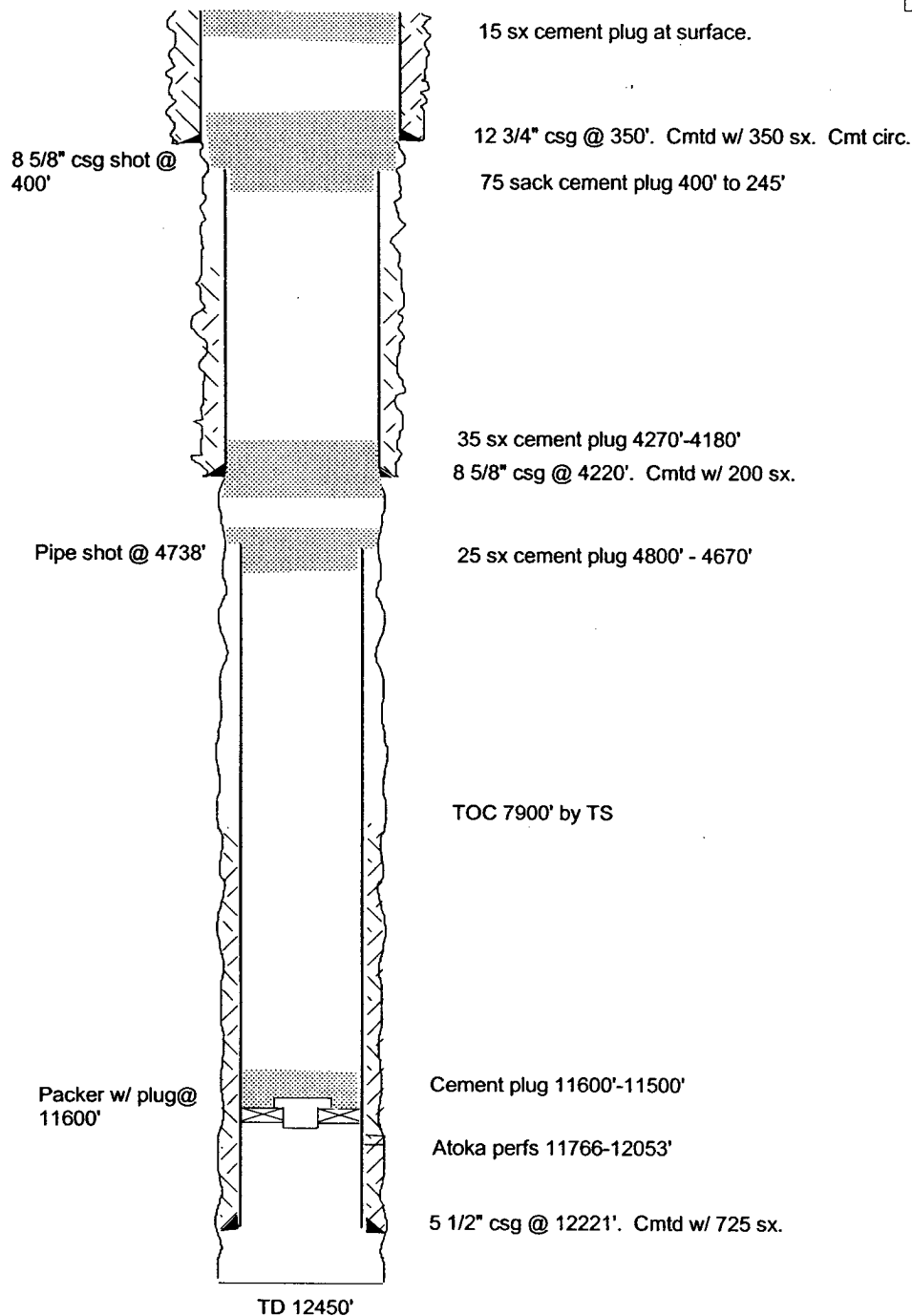
Spud Date: _____ Completion Date: _____

Comments: Originally drilled by APCO Oil Corp. in 1/1975. P&A'd 10/79.

Only log reported was GR-N.

Casing Program	
Size/Wt/Grade/Conn	Depth Set
12 3/4" 33.3#	350'
8 5/8" 24 & 30#	4220'
5 1/2" 17 & 20#	12221'

CURRENT CONFIGURATION



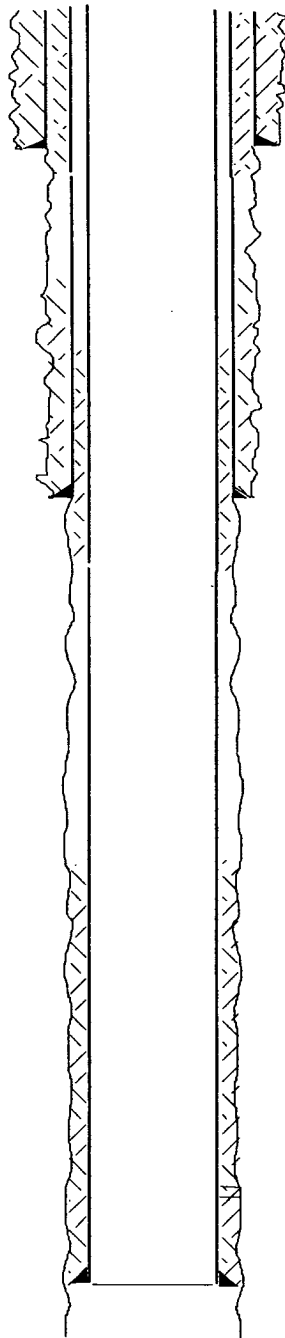
Tops:	
Anhydrite	2060'
Salt	2150'
Yates	2750'
7Rivers	3278'
Queen	3470'
Grayburg	3670'
San Andres	4050'
Glorieta	5510'
Drinkard	6945'
Abo	7758'
Wolfcamp	9110'
Cisco	9890'
Atoka	11518'

SKETCH NOT TO SCALE

DATE: 4/20/04

Well Name: METEOR BEM ST. #1 Field: _____
 Location: 1980' FNL & 1980' FWL Sec. 23-11S-34E Lea Co, NM
 GL: 4144' Zero: _____ AGL: _____ KB: _____
 Spud Date: _____ Completion Date: _____
 Comments: Originally drilled by APCO Oil Corp. in 1/1975. P&A'd 10/79.
Only log reported was GR-N.

Casing Program	
Size/Wt/Grade/Conn	Depth Set
12 3/4" 33.3#	350'
8 5/8" 24 & 30#	4220'
5 1/2" 17 & 20#	12221'



12 3/4" csg @ 350'. Cmtd w/ 350 sx. Cmt circ.
 8 5/8" csg rejoined and cemented to surface.

8 5/8" csg @ 4220'. Cmtd w/ 200 sx.

5 1/2" csg rejoined and cemented to 3800'

TOC 7900' by TS

Atoka perms 11766-12053'

5 1/2" csg @ 12221'. Cmtd w/ 725 sx.

TD 12450'
 PBTD 12140'

SKETCH NOT TO SCALE

PROPOSED CONFIGURATION

Tops:	
Anhydrite	2060'
Salt	2150'
Yates	2750'
7Rivers	3278'
Queen	3470'
Grayburg	3670'
San Andres	4050'
Glorieta	5510'
Drinkard	6945'
Abo	7758'
Wolfcamp	9110'
Cisco	9890'
Atoka	11518'

DATE: 4/29/04

YATES PETROLEUM CORPORATION
Meteor BEM State #1 Re-Entry
1980' FNL & 1980' FWL
Section 23-T11S-R34E
Lea County, New Mexico
API# 30-025-24812

The reserve pit will be to the North.
The pit will be about 60' North of
the Wellbore. The pit will be about
16' X 30' and 7' deep with a capacity
of about 600 bbls. The pit will be
lined with a 20 mil synthetic liner.

