

## 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

May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

1 Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210		2 OGRID Number 025575
3 Property Code <del>30761</del> 36104	4 Property Name Samuel Smith Unit	5 API Number 30 - 015 - 32518
6 Well No. 2		
7 Proposed Pool 1 Crooked Creek, Morrow (GAS)		8 Proposed Pool 2

## 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
I	32	23S	24E		1420'	South	1190'	East	Eddy

## 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

## Additional Well Information

11 Work Type Code N	12 Well Type Code G	13 Cable/Rotary	14 Lease Type Code S	15 Ground Level Elevation 4242'
16 Multiple N	17 Proposed Depth 10600'	18 Formation Morrow	19 Contractor Not Determined	20 Spud Date ASAP
Depth to Groundwater 170'		Distance from nearest fresh water well 3300'		Distance from nearest surface water 2000'
Pit: Liner: Synthetic XX 12_mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

## 21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13.375	48	400'	300 sx	0
12.25	8.625	24	2500'	900 sx	0
8.625	5.5	17	10600	1700 sx	8200

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.

Yates Petroleum Corporation proposes to drill and test the Morrow and intermediate formations. Approximately 400' of surface casing will be set and cemented. If commercial, production casing will be run and cemented, will perforate and stimulate if needed for production.

MUD PROGRAM: 0-2500' FW Gel/Paper; 2500'-9400' Cut Brine; 9400'-10600' Salt Gel/KCL/Starch.

BOPE PROGRAM: A 5000# BOPE will be installed on the 8 5/8" casing and tested daily.

No H2S is anticipated.

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 NMOCED guidelines ☐, a general permit ☒, or an (attached) alternative OGD-approved plan ☐.

Signature:

Printed name: Cy Cowan

Title: Regulatory Agent

E-mail Address:

Date: 10/17/06

Phone: (505) 748-4372

## OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT  
DISTRICT II GEOLOGIST

Title:

Approval Date: OCT 18 2006

Expiration Date: OCT 18 2007

Conditions of Approval Attached ☐

PREVIOUSLY APPROVED

Submit 3 Copies to Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco St.  
Santa Fe, NM 87505

well file  
Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-015-32518
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Yates Petroleum Corporation		6. State Oil & Gas Lease No. VO-5824
3. Address of Operator 105 South Fourth Street, Artesia, New Mexico 88210		7. Lease Name or Unit Agreement Name: Samuel Smith Unit
4. Well Location Unit Letter: I : 1420' feet from the South line and 1190' feet from the East line Section 32 Township 23S Range 24E NMPM County Eddy		8. Well No. 2
4242' GL		9. Pool name or Wildcat Crooked Creek Morrow

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Change of name. ☒

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Yates Petroleum wishes to change the name for the captioned well from the the Samuel Smith BAS State #1 to the Samuel Smith Unit #2.  
Thank you.

SIGNATURE Cy Cowan TITLE Regulatory Agent DATE 01/28/04  
Type or print name Cy Cowan Telephone No. (505) 748-1471  
(This space for State use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of approval, if any:

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1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-102

Oil Conservation Division

1220 S. St Francis Dr.

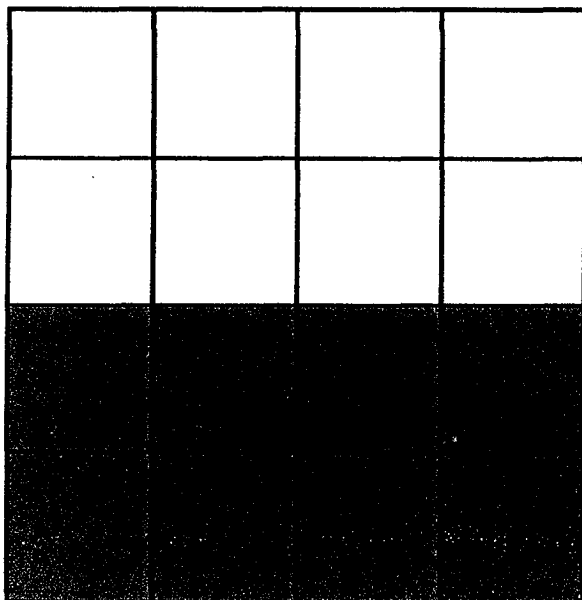
Santa Fe, NM 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-15-32518	Pool Name CROOKED CREEK;MORROW (GAS)	Pool Code 75400
Property Code 30761	Property Name Samuel Smith Unit	Well No. 002
OGRID No. 25575	Operator Name Yates Petroleum Corporation	Elevation 4242

**Surface And Bottom Hole Location**

UL or Lot I	Section 32	Township 23S	Range 24E	Lot Idn	Feet From 1420	N/S Line S	Feet From 1190	E/W Line E	County Eddy
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			



**OPERATOR CERTIFICATION**

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

Electronically Signed By: Robert Asher

Title: Manager

Date: 11/7/2002

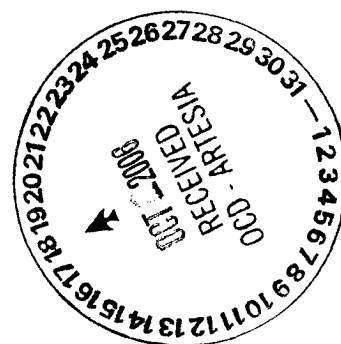
**SURVEYOR CERTIFICATION**

*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.*

Electronically Signed By: Dan R. Reddy

Date of Survey: 9/23/2002

Certificate Number: 5412

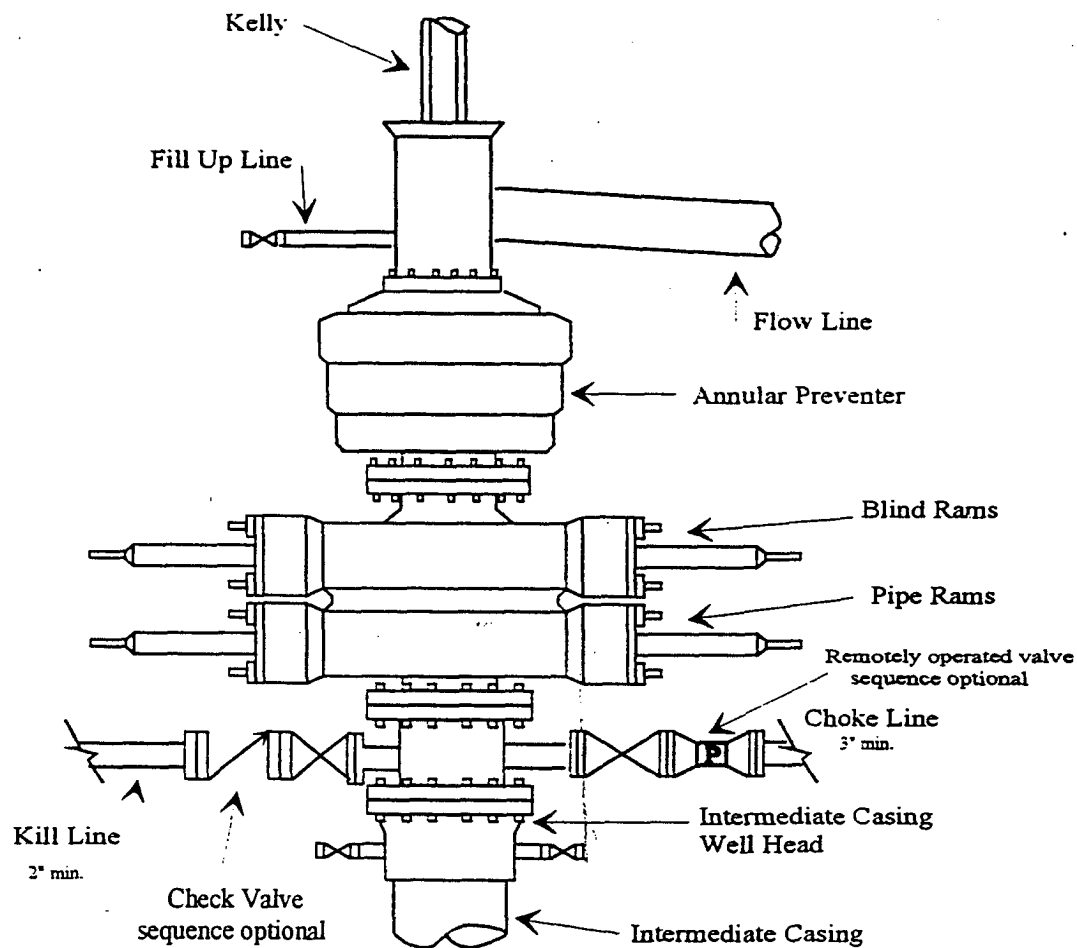




# Yates Petroleum Corporation

## Typical 5,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack

BOP-4



Typical 5,000 psi choke manifold assembly with at least these minimum features

