

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

Form C-101

May 27, 2004



Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

OCT 05 2007

☐ AMENDED REPORT

OCD-ARTESIA

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

<sup>1</sup> Operator Name and Address Yates Petroleum Corporation 105 S. 4 <sup>th</sup> Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-005-63722
<sup>4</sup> Property Code 34490	<sup>5</sup> Property Name Tide AXT State Com	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Foor Ranch; Wolfcamp, Gas		<sup>10</sup> Proposed Pool 2 Pecos Slope Abo

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	32	9S	26E		660	South	660	East	Chaves

<sup>8</sup> 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

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary N/A	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3768'GR
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth N/A	<sup>18</sup> Formation Siluro-Ordovician	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date ASAP
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
		IN PLACE			

<sup>22</sup> 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 plans to workover and possibly plugback and recompleat this well as follows: Set a CIBP at +/-5790'. Perforate Strawn 5700'-5704', 5722'-5728' and 5734'-5742' for a total of 84 holes. Stimulate as needed. If this zone is productive, we want to commingle with above zones, consider setting a composite plug instead of a CIBP. If this zone is not productive, set a CIBP at +/-5650' with 35' cement on top. Perforate Wolfcamp 5326'-5344' (76). Stimulate as needed. If this zone is depleted, set a CIBP at +/-5276' (or a composite plug if the Strawn was productive). Perforate Wolfcamp 5204'-5206' (12), 5214'-5216' (12) and 5220'-5226' (28). Stimulate as needed. If this zone is depleted, perforate Wolfcamp 5072'-5084' (52) and 4988'-4992' (20). Stimulate as needed. If this zone is depleted, set a CIBP at +/-4938' (or a composite plug if any below zones were productive) and perforate Abo 4327'-4329' (3), 4342'-4348' (7), 4358' (1), 4420' (1), 4422' (1), 4426' (1), 4428' (1), 4452' (1), 4454' (1), 4464'-4468' (5), 4491'-4494' (4), 4564' (1), 4572'-4576' (5), 4631'-4635' (5), 4692' (1) and 4716'-4720' (5). Stimulate as needed. If any zones below were productive we will drill out the composite plug and commingle after we receive DHC approval.

<sup>23</sup> 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 NMOC guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Tina Huerta

Title Regulatory Compliance Supervisor

E-mail Address: tnah@ypcnm.com

Date September 28, 2007

Phone: 505-748-4168

## OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT

Title:

DISTRICT II GEOLOGIST

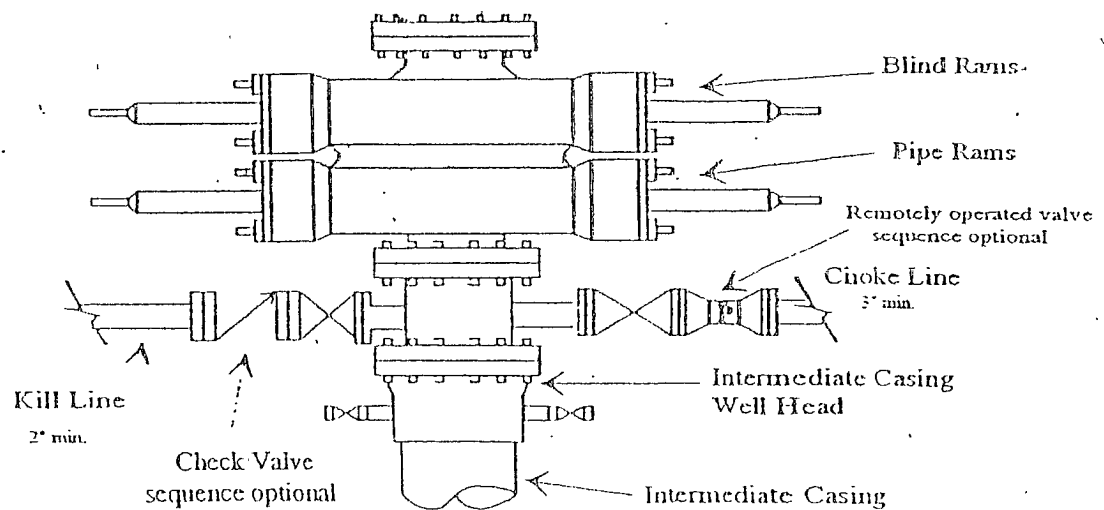
Approval Date: OCT 09 2007

Expiration Date: OCT 09 2008

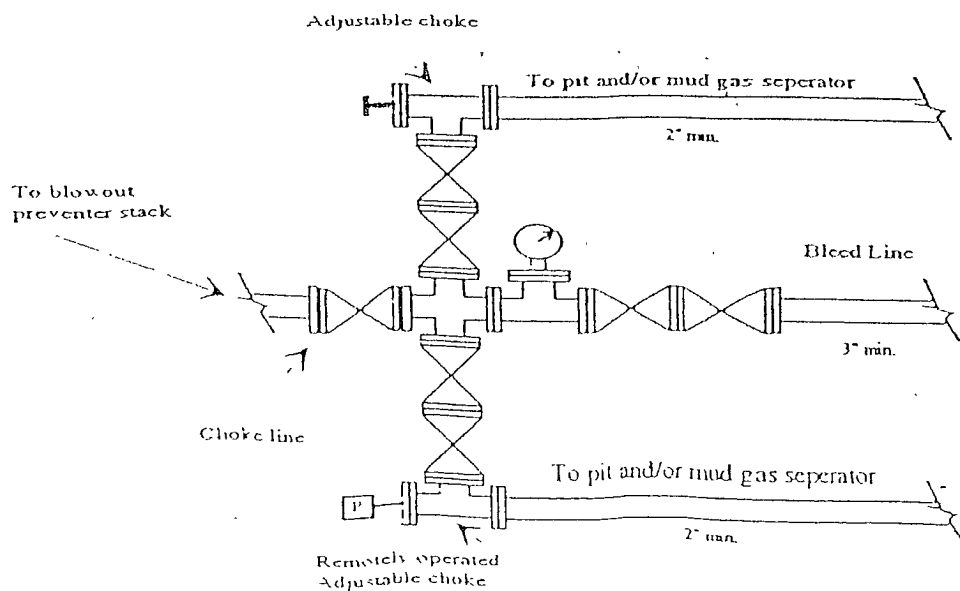
Conditions of Approval Attached ☐

# Yates Petroleum Corporation

## Typical 3,000 psi Pressure System Schematic



Typical 3,000 psi choke manifold assembly with at least these minimum features



WELL NAME: Tide AXT St Com #1 FIELD: Foor Ranch

LOCATION: 660' FSL & 660' FEL of Section 32-9S-26E Chaves Co., NM

GL: 3768' GR ZERO: KB: 3784'

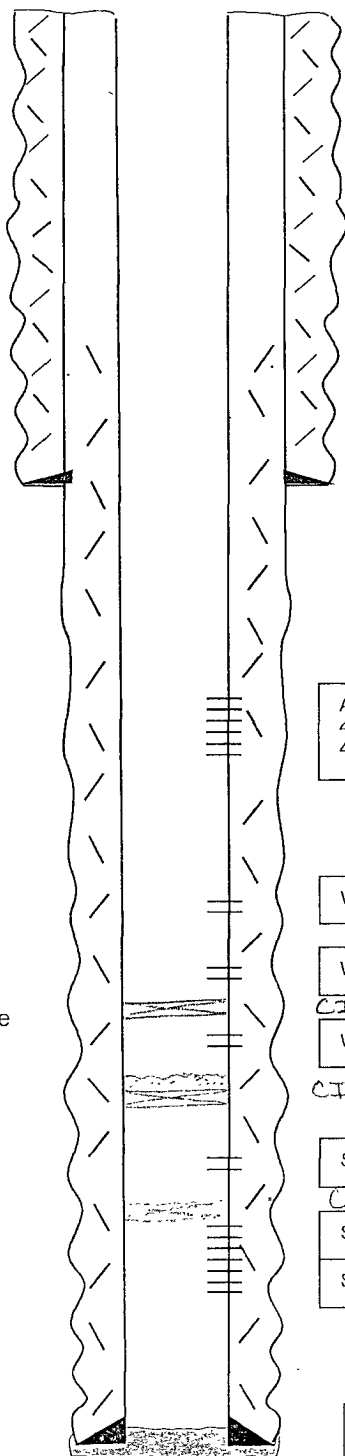
SPUD DATE: 5/2/07 COMPLETION DATE:

COMMENTS: API# 30-005-63722

### CASING PROGRAM

8-5/8" 36# J-55	1105'
5-1/2" 15.5# J-55	5,980'

14 3/4" Hole



TOC @ 2,050'

8 5/8" @ 1105'  
w/ 850 sx cmt (circ)

Abo perms 4,327'-29' (3), 4,342'-48' (7), 4,358' (1), 4,420' (1), 4,422' (1), 4,426' (1), 4,428' (1), 4,452' (1), 4,454' (1), 4,464'-68' (5), 4,491'-94' (4), 4,564' (1), 4,572'-76' (5), 4,631'-35' (5), 4,692' (1), 4,716'-20' (5), 42 holes, (1 spf)

WC A & B (Dol) perms 5,072'-5,084' (52) (WC B), 4,988'-4,992' (20) (WC A) (4 spf)

WC Lm perms 5,204'-5,206' (12), 5,214'-5,216' (12), 5,220'-5,226' (28), 52 holes, (4 spf)

CIBP @ +/- 5276'

WC Spear perms 5,326'-5,344' 76 holes, (4 spf)

CIBP @ +/- 5150'

Strawn perms 5,700'-5,704', 5,722'-5,728', 5,734'-5,742', 84 holes, (4 spf)

CIBP @ +/- 5790'

Silurian Dolomite perms 5,810'-5,842' (4 spf)

Silurian Dolomite perms 5,866'-5,880' (4 spf)

5-1/2" @ 5,980'  
w/ 1.175 sx cmt

PBDT 5,934'  
TD 5,980'

After

### Tops:

Abo : 4,305'  
Wolfcamp : 4,982'  
Wolfcamp B : 5,072'  
WC/Spear : 5,324'  
Cisco : 5,550'  
Strawn : 5,684'  
Mississippian : 5,742'  
Siluro-Devonian : 5,776'

Not to Scale

8/10/07  
MMFH

MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986



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October 4, 2007

OCT 05 2007  
OCD-ARTESIA

Mr. Bryan Arrant  
Oil Conservation Division, District II Office  
1301 W. Grand Ave.  
Artesia, NM 88210

Re: Tide AXT State Com #1  
Section 32-T9S-R26E  
Chaves County, New Mexico  
H2S Contingency Plan

Sources at Yates Petroleum Corporation have relayed information to me that they believe there will not be enough H2S anticipated from the surface to the Abo formation to even meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Thank you,

YATES PETROLEUM CORPORATION

Tina Huerta  
Regulatory Compliance Supervisor