

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. P.O. Box 15000
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, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Yates Petroleum Corporation 105 S. 4 th Street Artesia, NM 88210		² OGRID Number 025575
		³ API Number 30-005-63778
⁴ Property Code 35200	⁵ Property Name Dehavilland State Unit	⁶ Well No. 1
⁹ Proposed Pool 1 99457 Wildcat Siluro-Devonian		¹⁰ Proposed Pool 2 Wildcat Cisco

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
E	28	5S	26E		1980	North	660	West	Chaves

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 A	¹² Well Type Code G	¹³ Cable/Rotary N/A	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3835' GR
¹⁶ Multiple Y	¹⁷ Proposed Depth N/A	¹⁸ Formation Precambrian	¹⁹ Contractor N/A	²⁰ Spud Date ASAP
Depth to Groundwater 175'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 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 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
		IN PLACE			

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 plans to recomplete this well as follows: Perforate Siluro-Devonian 6094'-6137' (88). Stimulate as needed. If this zone is non-productive, perforate Cisco 5565'-5573' (18). Stimulate as needed.

NOTE: Drilling pit is still open

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: 

Printed name: Tina Huerta

Title: Regulatory Compliance Supervisor

E-mail Address: tinah@ypcnm.com

Date: November 28, 2006

Phone: 505-748-4168

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT
DISTRICT II GEOLOGIST

Title:

Approval Date: DEC 05 2006

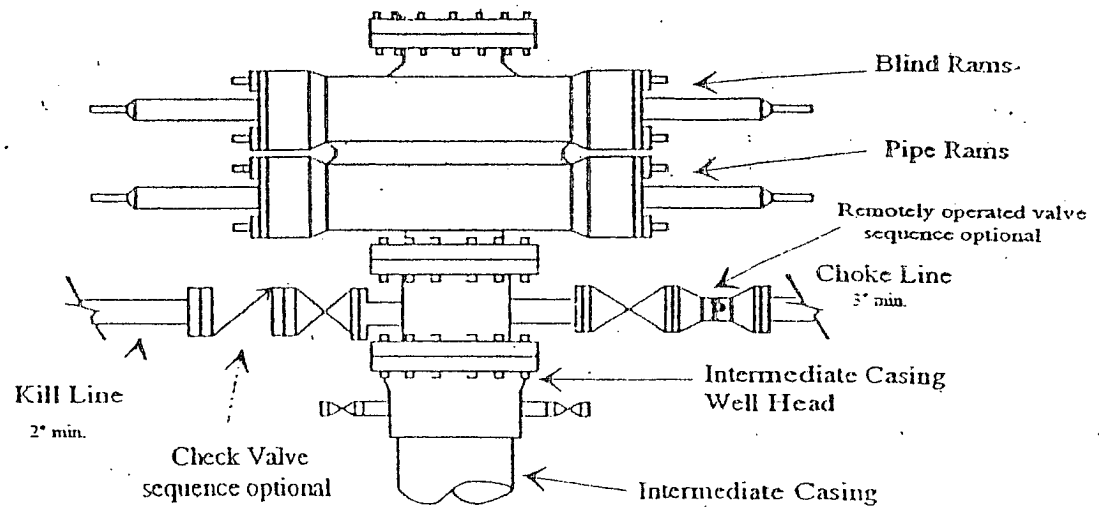
Expiration Date:

DEC 05 2007

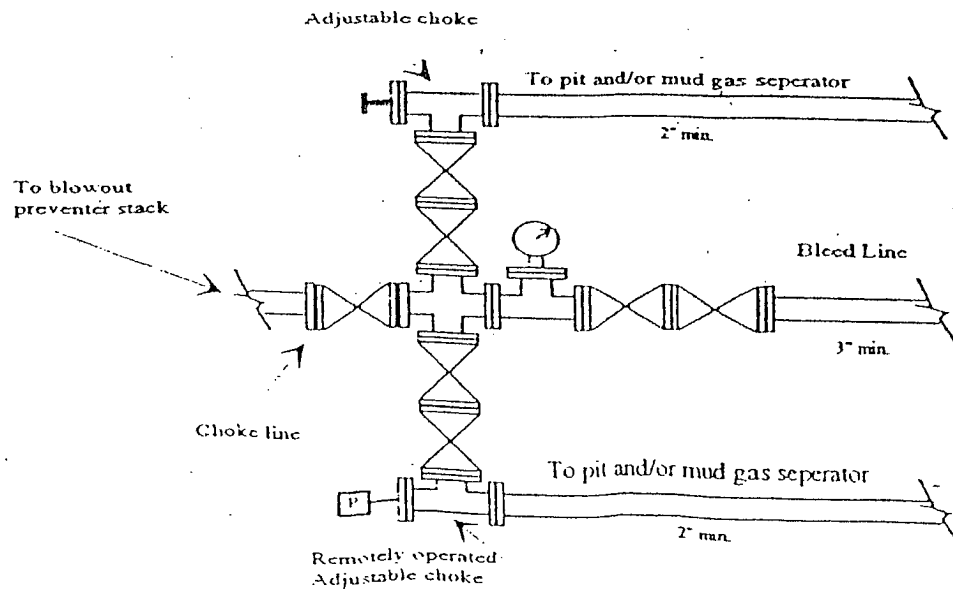
Conditions of Approval Attached ☐

Yates Petroleum Corporation

Typical 3,000 psi Pressure System Schematic



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

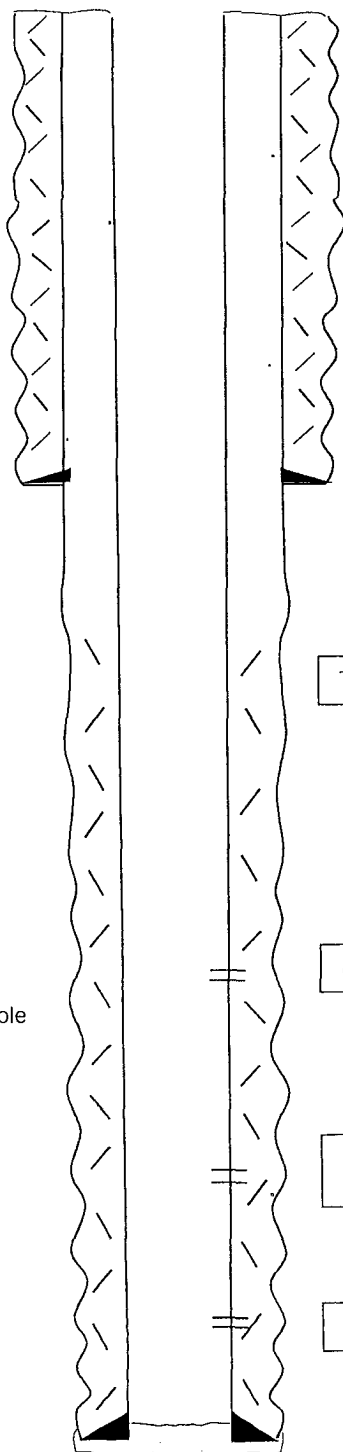


WELL NAME: Dehavilland St Unit #1 FIELD: Six Mile Draw Penn
 LOCATION: 1980' FNL & 660' FWL of Section 28-5S-26E Chaves Co., NM
 GL: 3835' GR ZERO: _____ KB: 3849.5'
 SPUD DATE: 6/29/06 COMPLETION DATE: 8/21/06
 COMMENTS: API# 30-005-63778

CASING PROGRAM

11 3/4" 42# H-40	908'
4-1/2" 11.6# L-80, N-80, C-95	6,250'

14 3/4" Hole



11 3/4" @ 908'
w/ 510 sx cmt (circ)

TOC @ 1,350'

Cisco: 5,565'-5,573' (18)

Strawn: 5896'-5901', 5905'-16', 5922', 28', 5954', 65'
Miss: 5976'-84' (total holes: 184)

Siluro-Devonian: 6,094'-6,137' (88)

4-1/2" @ 6,250'
w/ 1600 sx cmt

PBTD :6,204'
TD : 6,250'

AFTER

Tops:

Seven Rivers : 198'
 Queen : 526'
 Grayburg : 704'
 San Andres : 910'
 Yeso : 2,070'
 Tubb : 3,484'
 Abo : 4,154'
 Wolfcamp : 4,874'
 XX/WCB : 4,950'
 Spear : 5,211'
 Cisco : 5,493'
 Strawn : 5,680'
 Miss : 5,964'
 Siluro-Devonian: 6,094'
 Pre-Cambrium : 6,154'

Not to Scale
11/06/06
MMFH

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

S. P. YATES
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RANDY G. PATTERSON
SECRETARY
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TREASURER

November 28, 2006



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

Re: Dehavilland State Unit #1
Section 28-T5S-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 Siluro-Devonian 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