

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  
June 16, 2008

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

Submit to appropriate District Office

☐ AMENDED REPORT

**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. Fourth Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-015-22648
<sup>3</sup> Property Code 37053 35928	<sup>5</sup> Property Name MARJORIE BGR	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Wildcat, Upper Penn.		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no. G	Section 6	Township 19S	Range 26E	Lot Idn B	Feet from the 1650'	North/South line North	Feet from the 1980'	East/West line East	County Eddy
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**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
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**Additional Well Information**

<sup>11</sup> Work Type Code R E	<sup>12</sup> Well Type Code Gas	<sup>13</sup> Cable/Rotary Pullin Unit	<sup>14</sup> Lease Type Code Private	<sup>15</sup> Ground Level Elevation 3392'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 8950'	<sup>18</sup> Formation Canyon	<sup>19</sup> Contractor	<sup>20</sup> Spud Date ASAP

**21 Proposed Casing and Cement Program**

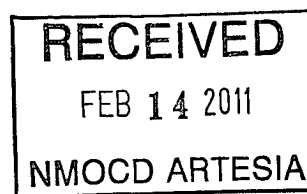
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 5/8"	48#	305'	415 sx	In Place
12 1/4"	9 5/8"	40#	1312'	1175 sx	In Place
7 7/8"	5 1/2"	15.5# + 17#	6418'	750 sx	TOC-1300'
7 7/8"	5 1/2"	17#	8950'	580 sx	In Place

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.

SEE ATTACHED PAGE 2. (Re-Entry)

H2S Contingency Plan Attached

C-102 Attached



23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*Monti Sanders*

Printed name:  
Monti Sanders

Title:  
Land Regulatory Technician

E-mail Address:  
montis@yatespetroleum.com

Date:  
2/11/11

Phone:  
575-748-4244

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date:

3/4/2011

Expiration Date:

3/4/2013

Conditions of Approval Attached ☐

MS

**YATES PETROLEUM CORPORATION**

Majorie BGR #1

Drilling Prognosis

Page 2

This well was originally drilled by Dorchester Company as the Losee et al Com #1. The well was spudded in August 13, 1978 and was P/A'd in April 7, 1979.

Yates Petroleum Corporation proposes to re-enter this well with a pulling unit and drill out the 9 5/8" shoe plug and all cement plugs in the 7 7/8" casing down to the 5 1/2" casing stub at 6418'. A string of 5 1/2" casing will be run to 6418' then the casing will be spiced back together cleaned out and conditioned. to the plugged back TD of 8950'. The well will be completed in the Wildcat Upper Penn formation with a pulling unit.

MUD PROGRAM: Cut Brine Mud; Weight: 9.0-9.1; , Vis: 35; <10-15 cc

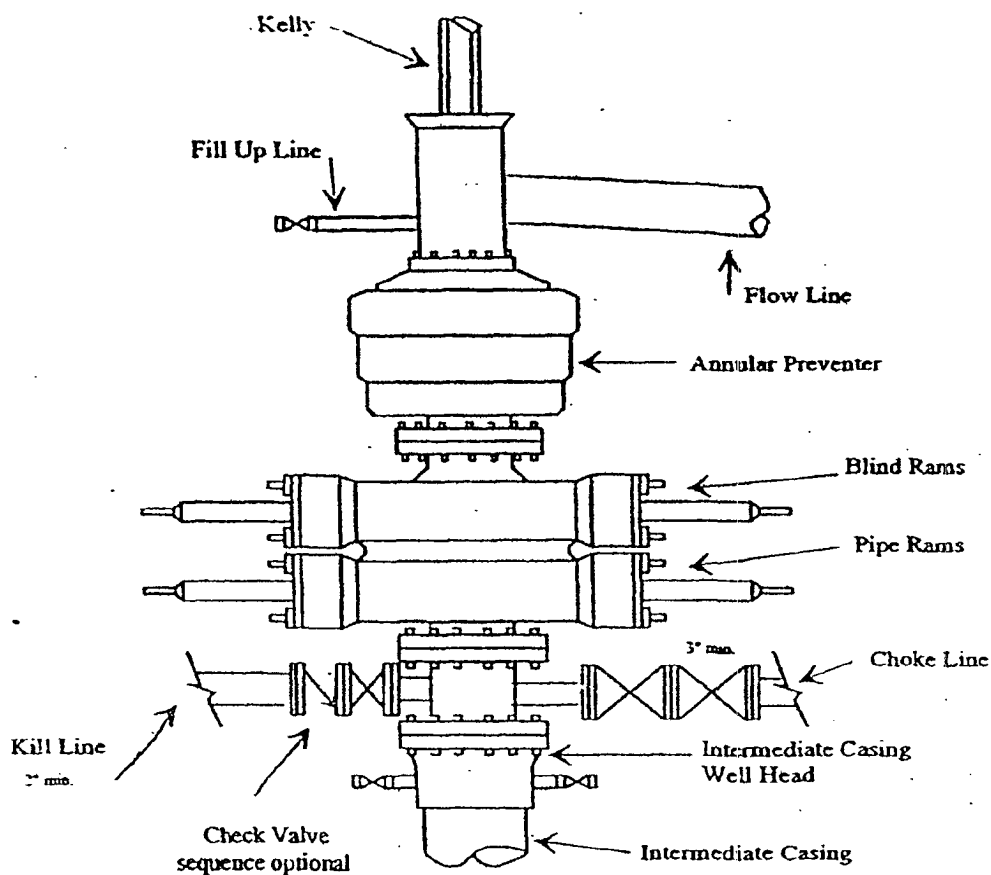
BOPE PROGRAM: 3000 # BOPE will be nipped up on 9 5/8 in casing.



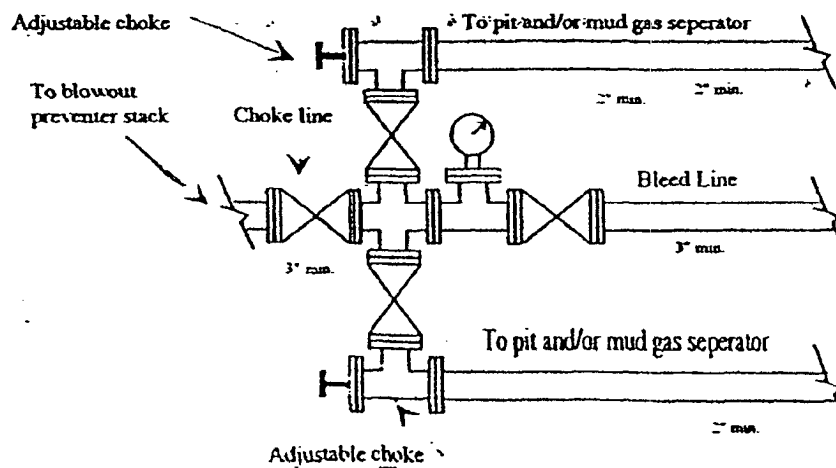
# Yates Petroleum Corporation

BOP-3

## Typical 3,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



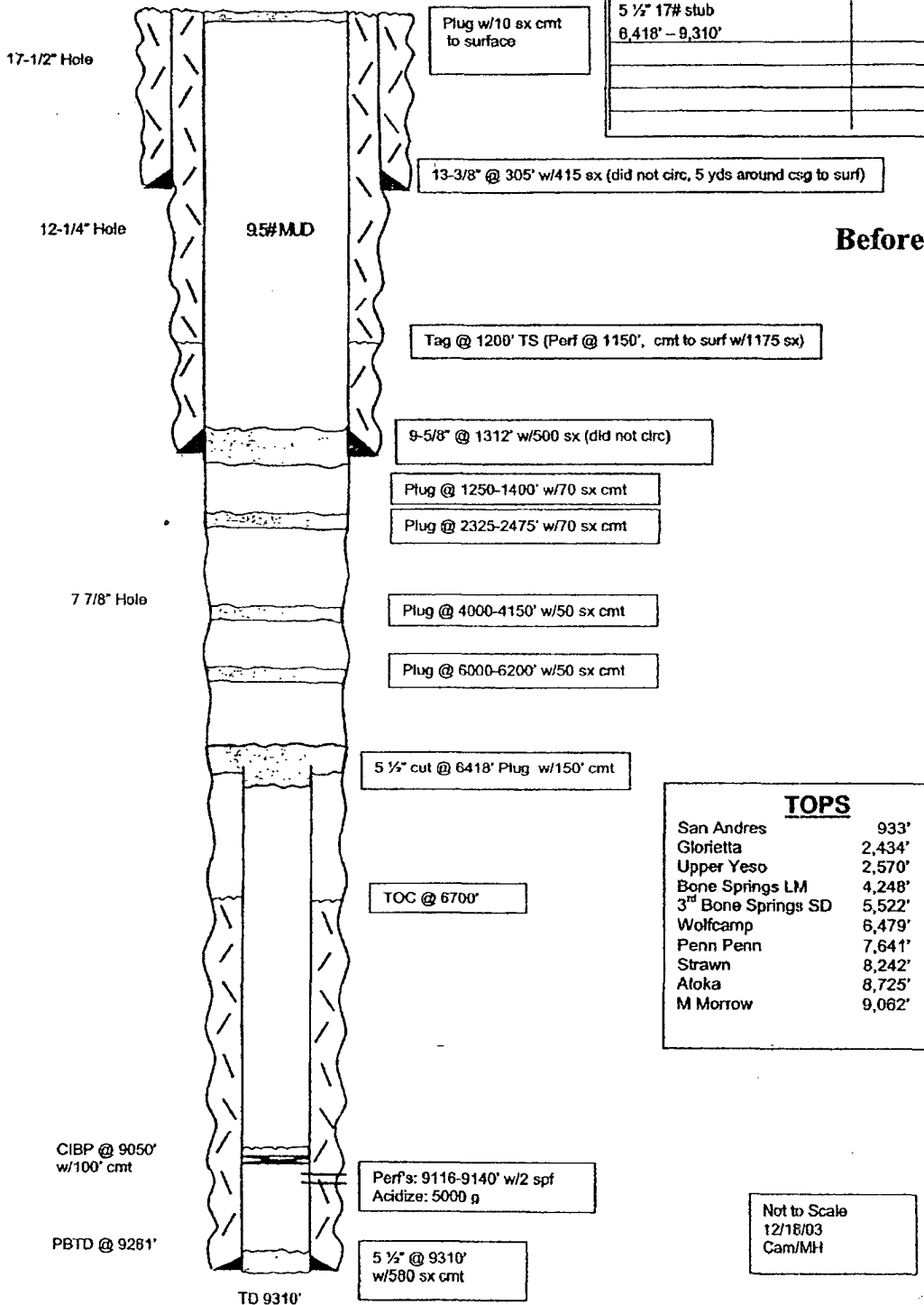
## Typical 3,000 psi choke manifold assembly with at least these minimum features



WELL NAME: Losee et al Corn #1 FIELD: Four Mile Draw West  
 LOCATION: 1650 FNL & 1980 FEL Sec 6-19S-26E Eddy County  
 GL: 3392' ZERO: KB:  
 SPUD DATE: 8/13/78 COMPLETION DATE:  
 COMMENTS: P&A 4/7/79 30-015-22648

#### CASING PROGRAM

13-3/8" 48# H40	305'
9-5/8" 40# K55	1312'
5 1/2" 17# stub	
8,418' - 9,310'	



#### TOPS

San Andres	933'
Glorietta	2,434'
Upper Yeso	2,570'
Bone Springs LM	4,248'
3 <sup>rd</sup> Bone Springs SD	5,522'
Wolfcamp	6,479'
Penn Penn	7,641'
Strawn	8,242'
Atoka	8,725'
M Morrow	9,062'

Not to Scale  
 12/18/03  
 Cam/MH

# **Yates Petroleum Corporation**

**105 S. Fourth Street  
Artesia, NM 88210**

## **Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan**

**For**

**Marjorie BGR #1 (Re-Entry)**

**1650' FNL and 1980' FEL  
Section 6, T-19-S, R-26-E  
Eddy County, NM**

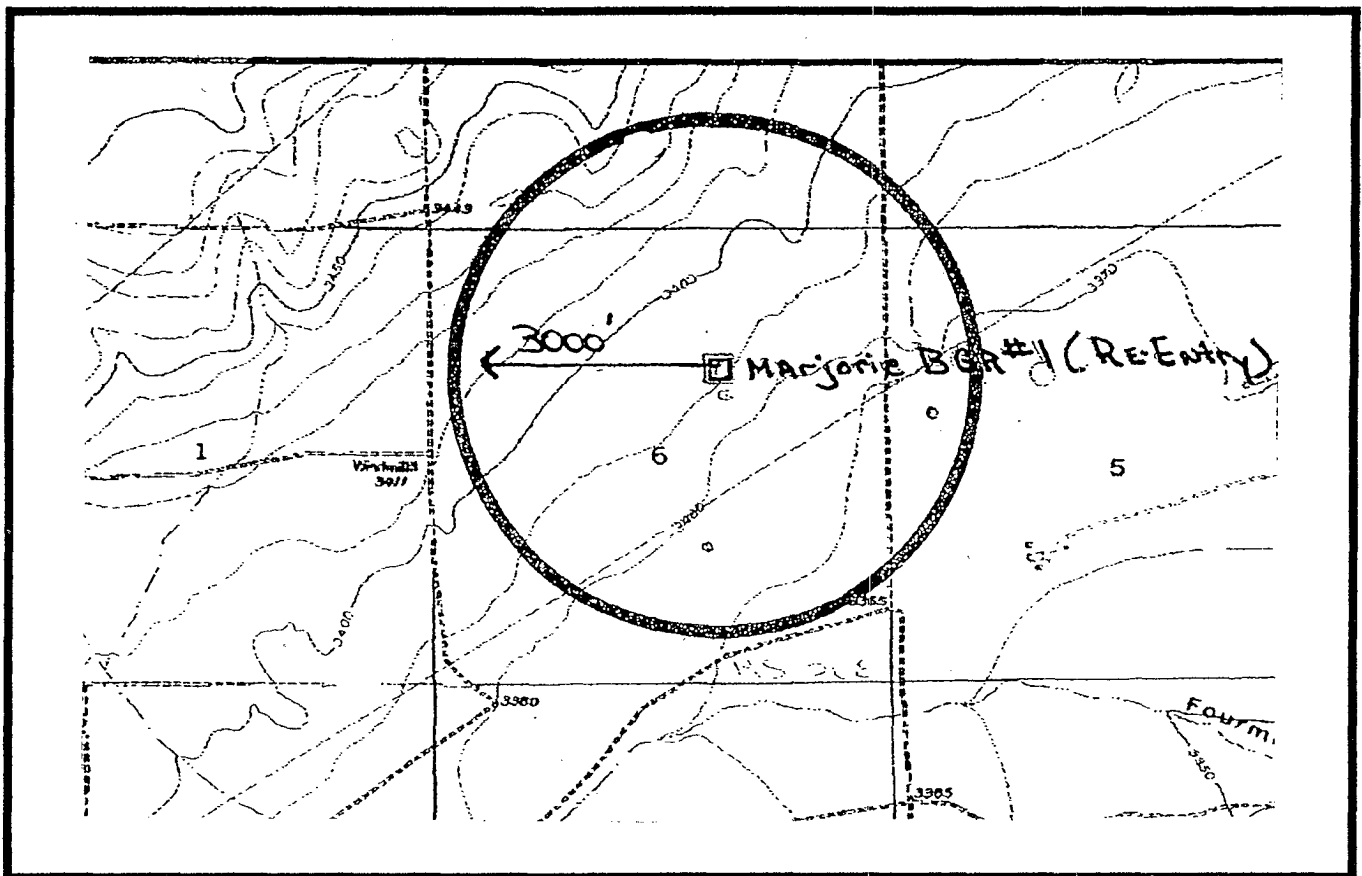
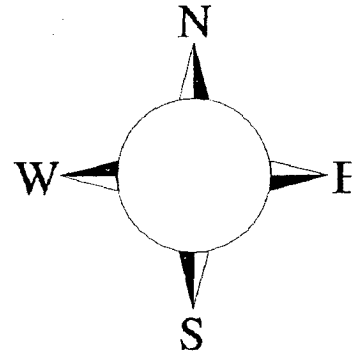
**RECEIVED**

**FEB 14 2011**

**NMOCD ARTESIA**

## Marjorie BGR #1 (Re-Entry)

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.



**Assumed 100 ppm ROE = 3000'**

**100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.**

## **Emergency Procedures**

In the case of a release of gas containing H<sub>2</sub>S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H<sub>2</sub>S, measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H<sub>2</sub>S monitors and air packs in order to control the release. Use the "buddy system" to ensure no injuries during the response.

## **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

## **Characteristics of H<sub>2</sub>S and SO<sub>2</sub>**

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = 1	2 ppm	N/A	1000 ppm

## **Contacting Authorities**

YPC personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. YPC Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

## ***Yates Petroleum Corporation Phone Numbers***

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YPC Office .....	(575) 748-1471
Pinson McWhorter/Operations Manager .....	(575) 748-4189
Wade Bennett/Prod Superintendent .....	(575) 748-4236
LeeRoy Richards/Assistant Prod Superintendent .....	(575) 748-4228
Mike Larkin/Drilling .....	(575) 748-4222
Paul Hanes/Prod. Foreman/Roswell .....	(575) 624-2805
Tim Bussell/Drilling Superintendent .....	(575) 748-4221
Artesia Answering Service .....	(575) 748-4302
(During non-office hours)	

### **Agency Call List**

#### **Eddy County (575)**

##### **Artesia**

State Police .....	746-2703
City Police .....	746-2703
Sheriff's Office .....	746-9888
Ambulance .....	911
Fire Department .....	746-2701
LEPC (Local Emergency Planning Committee) .....	746-2122
NMOCD .....	748-1283

##### **Carlsbad**

State Police .....	885-3137
City Police .....	885-2111
Sheriff's Office .....	887-7551
Ambulance .....	911
Fire Department .....	885-2111
LEPC (Local Emergency Planning Committee) .....	887-3798
US Bureau of Land Management .....	887-6544
New Mexico Emergency Response Commission (Santa Fe) .....	(505) 476-9600
24 HR .....	(505) 827-9126
New Mexico State Emergency Operations Center .....	(505) 476-9635
National Emergency Response Center (Washington, DC) .....	(800) 424-8802

##### **Other**

Boots & Coots IWC .....	1-800-256-9688 or (281) 931-8884
Cudd Pressure Control .....	(915) 699-0139 or (915) 563-3356
Halliburton .....	(575) 746-2757
B. J. Services .....	(575) 746-3569
Flight For Life -4000 24th St, Lubbock, TX .....	(806) 743-9911
Aerocare -Rr 3 Box 49f, Lubbock, TX .....	(806) 747-8923
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuq, NM .....	(505) 842-4433
S B Air Med Svc 2505 Clark Carr Loop SE, Albuq, NM .....	(505) 842-4949