

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

☐ AMENDED REPORT

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

¹ Operator Name and Address David H. Arrington Oil & Gas, Inc., Box 2071, Midland, TX 79702		² OGRID Number 5898
		³ API Number 30 - 025 - 37455
⁴ Property Code 35086	⁵ Property Name Grande Quadshot	⁶ Well No. 1
⁷ Proposed Pool 1 Wildcat Morrow		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
G	19	18S	35E NMPM		1980	North	1650	East	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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S ☒	¹⁵ Ground Level Elevation 3900'
¹⁶ Multiple No	¹⁷ Proposed Depth 13,000'	¹⁸ Formation Morrow	¹⁹ Contractor Patterson UTI Drilling	²⁰ Spud Date upon approval
Depth to Groundwater: 500'		Distance from nearest fresh water well: n/a		Distance from nearest surface water: n/a
Pit: Liner: Synthetic X 12 mils thick Clay ☐ Pit Volume: 10,000 bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☒ Brine ☒ Diesel Oil-based ☐ Gas Air ☐				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	500'	500 sx	Surface
12 1/4"	9 5/8"	34#	5400'	1100 sx	Surface
7 7/8"	5 1/2"	17#	13000'	1200 sx	500'

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.

Propose to spud, drill to surface casing depth of 500', run casing & cement to surface. Drill 12 1/4" hole to 5400' & set 9 5/8" intermediate casing, cementing to surface. Install and test BOPs to 5000 psi. Drill 7 7/8" hole to 13,000'. DST any prospective pays encountered during drilling. Run 5 1/2" casing through Morrow if justified.

We do not anticipate encountering any H2S in the drilling or Morrow formation; Patterson & Arrington will meet all standard H2S safety drilling standards.

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 NMOC guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Ann E. Ritchie

Title: Regulatory Agent

E-mail Address: ann.ritchie@wtor.net

Date: 9-12-05

Phone: 432 684-6381/682-6685

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

SEP 15 2005

Expiration Date:

Conditions of Approval Attached ☐

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State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-37455	² Pool Code	³ Pool Name WYLOCAT Merrow
⁴ Property Code 35086	⁵ Property Name GRANDE QUADSHOT	
⁶ OGRID No. 5898	⁷ Operator Name DAVID H. ARRINGTON OIL & GAS, INC.	⁸ Well Number ED-1 ⁹ Elevation 3954'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	19	18 SOUTH	35 EAST, N.M.P.M.		1980'	NORTH	1650'	EAST	LEA

¹¹ 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
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

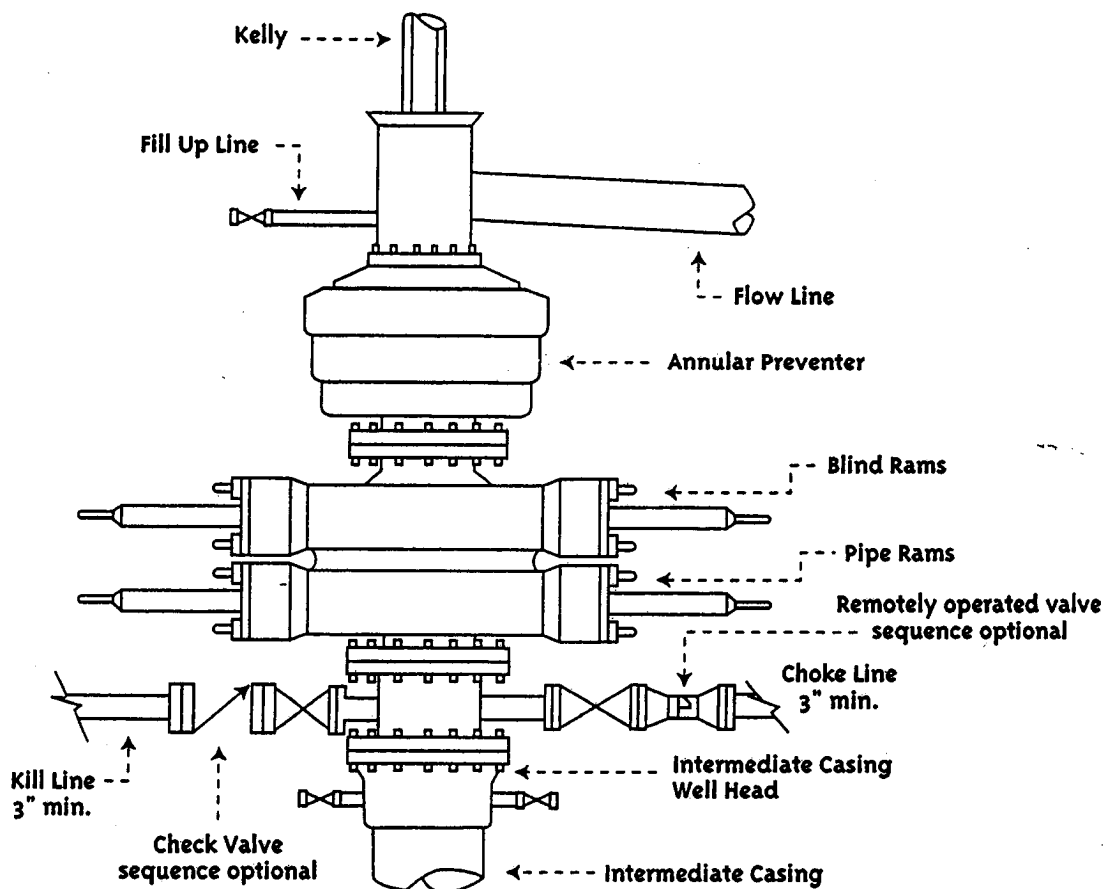
NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Bill Baker Jr.</u> Printed Name: <u>Exploration Manager</u> Title: <u></u> Date: <u>9-12-05</u>
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: <u>9-12-05</u> Signature: <u>V. L. Bezner</u> Title: <u>Professional Land Surveyor</u>
	Certified Number: V. L. BEZNER R.P.S. #7920 JOB #105193 / 71 NW / J.C.P.

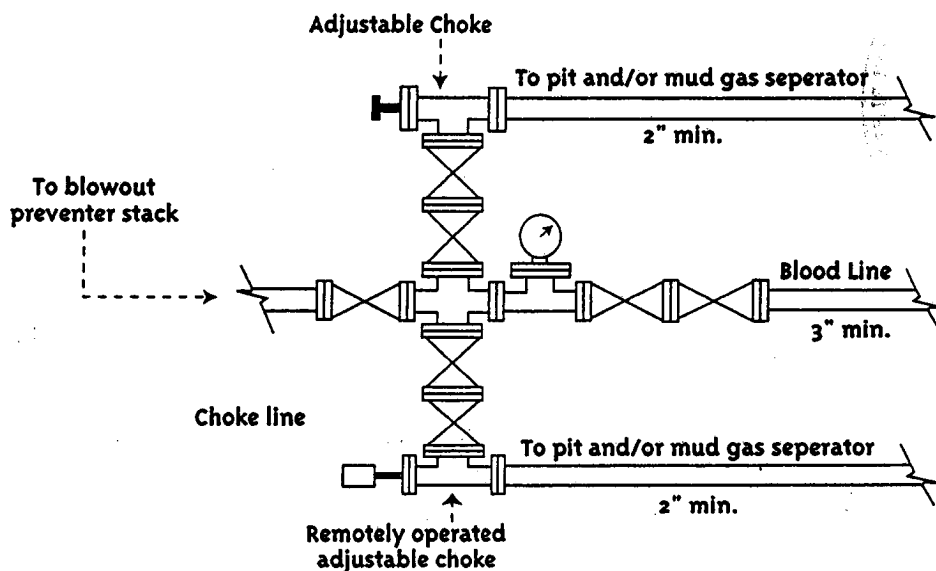


David H. Arrington Oil & Gas, Inc.

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



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



Jan 16 04 11:44a

WTOR

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P.3

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From-PATTERSON DRILLING

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