

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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 P.O. Box 2071 Midland, TX 79702		² OGRID Number 05898
		³ API Number 30 - 025 - 35950
³ Property Code 2.8537	⁵ Property Name DOUBLE HACKLE DRAKE "36" State	⁶ Well No. 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
1	36	16 SOUTH	35 EAST, NMPM		2310'	SOUTH	660'	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
⁹ Proposed Pool 1 Mississippian Wildcat						¹⁰ Proposed Pool 2			

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3934
¹⁶ Multiple No	¹⁷ Proposed Depth 13,700'	¹⁸ Formation Mississippian	¹⁹ Contractor Patterson	²⁰ 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 3/8"	54 1/2#	400'	500 sxs	Circulate
11"	8 5/8"	32#	4000'	1300 sxs	Circulate
7 7/8"	5 1/2"	17#	13,700'	1200 sxs	500' above
					uppermost pay

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.

Set surface casing at 400'. Circulate cement to surface. Drill 11" hole to 4000' Set 8 5/8" intermediate casing at 4000'. Circulate cement to surface. Install and test BOP's to 5000 psi. Drill 7 7/8" hole to 13,700'. DST any prospective pays encountered during drilling. Run 5 1/2" casing through Mississippian if justified.

Permit Expires 1 Year from Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Danny Ledford</i>		Approved by: PAUL F. KAUTZ	
Printed name: DANNY LEDFORD		Title: PETROLEUM ENGINEER	
Title: GEOLOGIST		Approval Date: JUL 18 2002	Expiration Date:
Date: 7.16.02	Phone: 915.682.6685	Conditions of Approval:	
		Attached <input type="checkbox"/>	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35950	² Pool Code ✓	³ Pool Name WILDCAT MISSISSIPPIAN
⁴ Property Code 28537	⁵ Property Name DOUBLE HACKLE DRAKE "36" State	⁶ Well Number 2
⁷ OGRID No. 05898	⁸ Operator Name DAVID H. ARRINGTON OIL & GAS CO.	⁹ Elevation 3934'

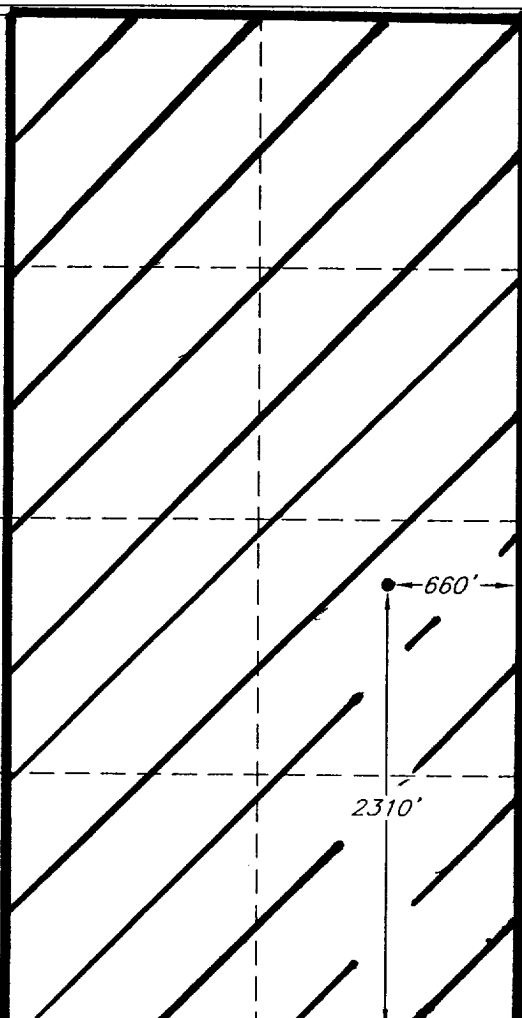
¹⁰ Surface Location

UL or lot no. I	Section 36	Township 16 SOUTH	Range 35 EAST, N.M.P.M.	Lot Idn	Feet from the 2310'	North/South line SOUTH	Feet from the 660'	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

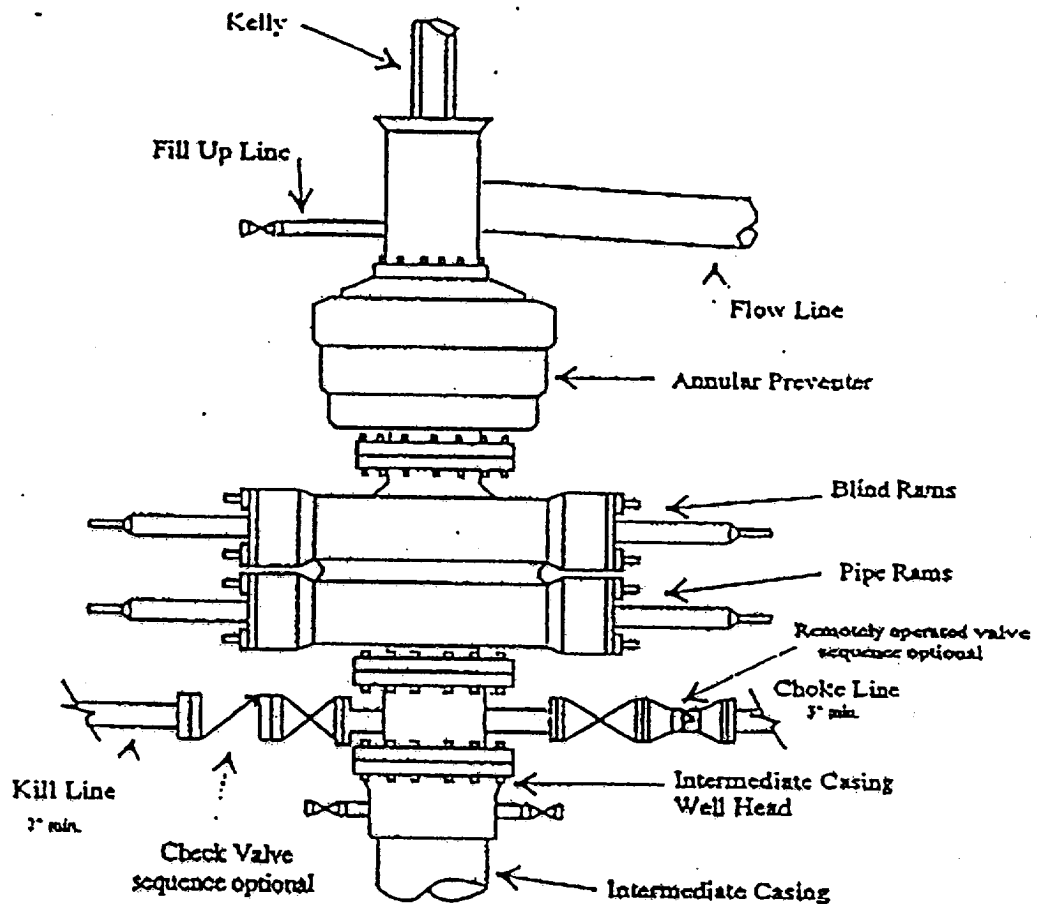
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

¹⁶		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>Danny Ledford</u> Printed Name: <u>DANNY LEDFORD</u> Title: <u>GEOLOGIST</u> Date: <u>7.16.02</u>
		¹⁸ 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. Date of Survey: <u>JULY 11, 2002</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>V. L. BEZNER</u> R.P.S. #7920 JOB #82646 / 96 NW / J.C.P.



David H. Arrington Oil & Gas, Inc.
 Typical 5,000 psi Pressure System
 Schematic
 Annular with Double Ram Preventer Stack



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

