

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 214 West Texas Midland, Texas 79701		² OGRID Number 5898
		³ API Number 30 - 025 - 22150
⁴ Property Code 34313	⁵ Property Name ALPHA "7"	⁶ Well No. 1
⁹ Proposed Pool 1 WILDCAT MISSISSIPPIAN		¹⁰ 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
I	7	15 S	34 E	34 E	1979'	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
J	7	15 S	34 E		1980'	SOUTH	2300'	EAST	LEA

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4128'
¹⁶ Multiple NO	¹⁷ Proposed Depth 14000'	¹⁸ Formation Mississippi	¹⁹ Contractor Patterson/UTI	²⁰ Spud Date ASAP
Depth to Groundwater approx. 90'		Distance from nearest fresh water well approx. 500'		Distance from nearest surface water 1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/>		Pit Volume: 10,000 bbls		Drilling Method:
Closed-Loop System <input type="checkbox"/>		Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil based <input checked="" 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
Set in 1967	13-3/8"	48#	375'	375 sks	circulate
Set in 1967	9-5/8"	40#	4500'	1375 sks	Circulate
7-7/8"	5-1/2"	17#	14000'	Est. 600 sks.	500' above any producing zone (~11000')

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. DHAOG plans to reenter the Marie Etcheverry #1 (30-025-22150) drilled in 1967. 13 3/8" casing was set at 375' with cement circulated to surface and 9 5/8" casing was set at 4500' with cement circulated to surface. The original well bore was drilled to a TD of 10,930' and P&A'd. Cement plugs were set at 10,930'-10,863', 6025'-5974' (25 sks.), 5243'-5130' (50 sks.), cement was drilled from 5130'-5150' and hole was circulated clean. Then 50 sks. Were spotted at 4550'-4430' and 10 sks. At 10'-0. DHAOG plans to reenter this well and drill out all plugs set shallower than 9,750', set a plug at this depth and kick out of the original wellbore directionally until the above bottomhole location is reached at an approximate true vertical depth of 14000'. If subsequent testing proves the well economic, 5 1/2" casing will be set to TD and cement pumped to cover all hydrocarbon and water producing zones that have been encountered.

The Blowout Prevention program will consist of a Shaffer Annular with a working pressure of 5000# and 2500# test pressure and a Shafer Double Ram with a 5000# working and test pressure.

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 ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐

Printed name:

DANNY H. LEUFORD

Title: SR. GEOLOGIST

E-mail Address: dleuford@arringtonoil.com

Date: 9.24.04

Phone: 469-1826

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: OCT 01 2004

Conditions of Approval Attached ☐

PETROLEUM ENGINEER

Permit Expires 1 Year From Approval Date Unless Drilling Underway Re-entry

09/29/2004 15:07 FAX 8066657210

TOPOGRAPHIC

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DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

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 30-025-22150	² Pool Code ✓	³ Pool Name Wildcat M.S.S.
⁴ Property Code 34313	⁵ Property Name ALPHA "7"	⁶ Well Number 1
⁷ OGRID No. 5898	⁸ Operator Name DAVID H. ARRINGTON OIL & GAS, INC.	⁹ Elevation 4188'

Surface Location

UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	16 SOUTH	34 EAST, N.M.P.M.		1979'	SOUTH	660'	EAST	LEA

Bottom Hole Location If Different From Surface

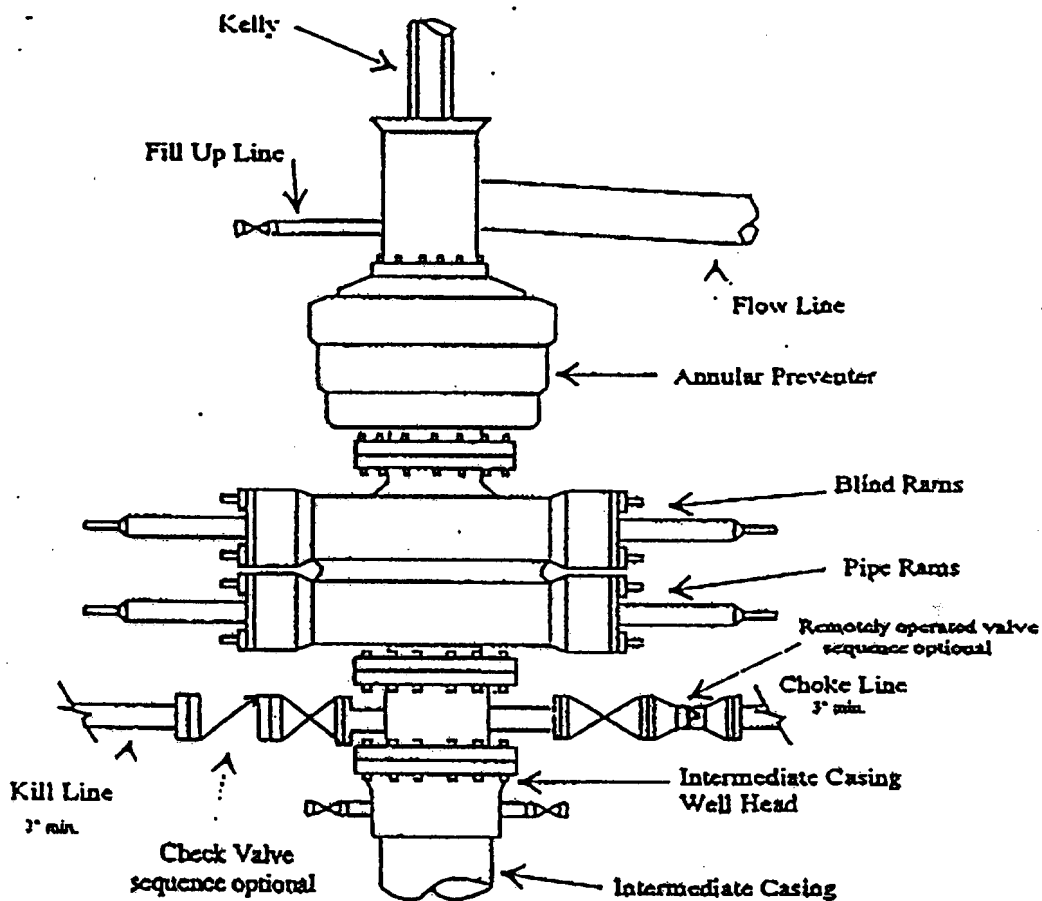
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
J	7	16 SOUTH	34 EAST, N.M.P.M.		1890"	SOUTH	2300'	EAST	LEA
¹² Dedicated Acre		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. 1980'			

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

		"OPERATOR CERTIFICATION" I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>David Ledford</i> Name: DAVID LEDFORD Title: SR. GEOLOGIST Date: 9.29.04
"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: SEPTEMBER 8, 2004 Signature and Seal of Registered Surveyor: V. L. BEZNER R.P.S. #7920 JOB #97639 / 122SE / 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

