

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Form C-101
Revised March 12, 1999Submit 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, Inc. P.O. Box 2071 Midland, Texas 79702		² OGRID Number 005898
		³ API Number 30-025-34541
⁴ Property Code 23911	⁵ Property Name Prince Nymph	⁶ Well No. 1-10

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	29	15S	36E		2308'	South	943'	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
H	29	15S	36E		2552'	North	866'	East	Lea

⁹ Proposed Pool 1 Caudill, Permo Upper Perm	¹⁰ Proposed Pool 2 Wildcat
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¹¹ Work Type Code EP	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3902'
¹⁶ Multiple No	¹⁷ Proposed Depth 10,900' MD	¹⁸ Formation Wolfcamp	¹⁹ Contractor Patterson	²⁰ Spud Date January 10, 2000

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#	425' in place	460 sx	Circulate
11	8 5/8	32#	4925' in place	770 sx	Circulate
7 7/8	5 1/2	17#	TD ~ 10,900'	400 sx - 600 sx	500' above upper most 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.
See attached Page 2 for Drilling Program.

R-11284

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Directional "

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

Signature:

Printed name: David H. Arrington

Title: President

Date: December 30, 1999

Phone: (915) 682-6685

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

Approved by:

Title:

Approval Date: JAN 21 2000

Expiration Date:

Conditions of Approval:

Attached ☐

David H. Arrington Oil & Gas, Inc.

Continued C-101

Page 2

Proposed Drilling Program for the
Prince Nymph 1-A

David H. Arrington Oil & Gas, Inc., proposes to re-enter this wellbore which was originally drilled to the Strawn formation by Arrington Oil & Gas, Inc., in March of 1999, but was plugged as a dryhole. David H. Arrington Oil & Gas, Inc., proposes to re-enter the well, clean out plugs to 9800' and kick off of the plug set at 9600' - 9700'. The well will be drilled approximately 450 feet north to the lower Wolfcamp 2nd Brother pay interval located at an approximate TVD of 10,800' and tested for commercial production. If warranted, 5 1/2" casing will be run and cemented with 400-500 sacks of cement.

Mud Program: 0-10,850' Freshwater Gel

BOPE Program: BOPE will be nipple up on the 8 5/8" casing and tested to 1000 psi

David H. Arrington Oil & Gas, Inc.

Structure : Prince Nymph 1A

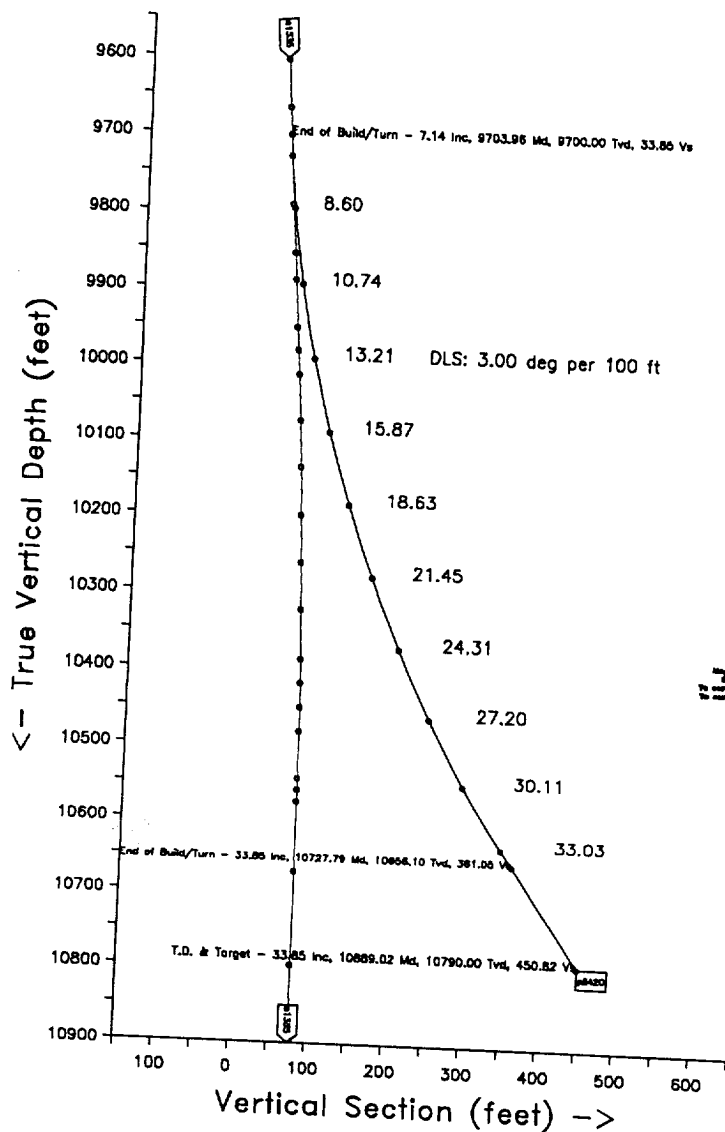
Slot : slot #1

Field :

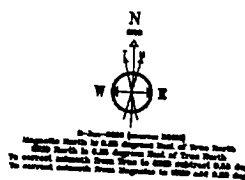
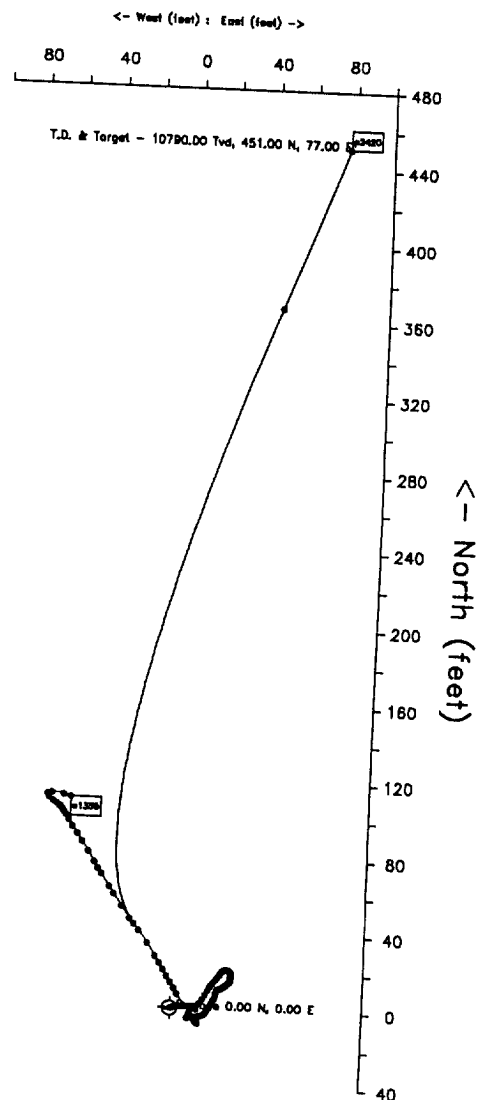
Location : LEA COUNTY, NEW MEXICO

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
End of Build/Turn	9703.96	7.14	322.10	9700.00	43.18	-20.53	33.85	0.00
End of Build/Turn	10727.79	33.85	21.11	10656.10	367.22	44.85	361.05	3.00
T.D. & Target	10889.02	33.85	21.11	10790.00	451.00	77.00	450.82	0.00



Azimuth 19.51 with reference 0.00 N, 0.00 E from slot #1



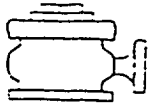
**BAKER
HUGHES**

INTEQ

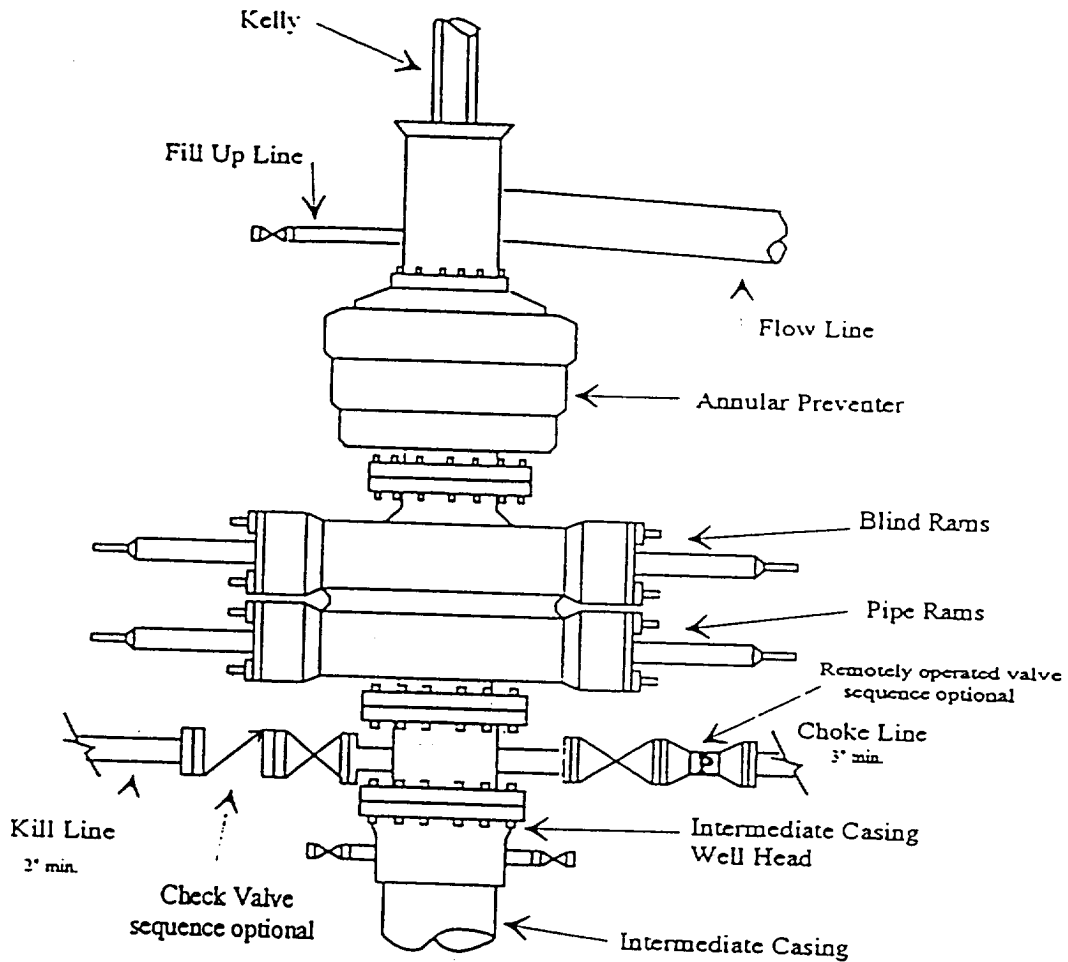
Created by bartw
Date plotted : 4-Jan-2000
Plot Reference is 3 Deg BUR.
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.

--- Baker Hughes INTEQ ---

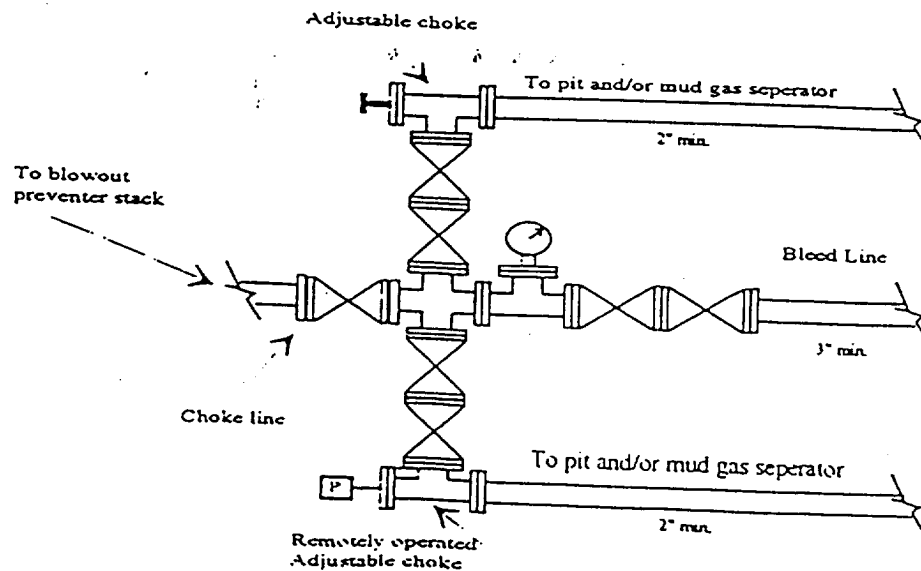
Prince Nymph 1-A



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



DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94

Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-3454		2 Pool Code 10830		3 Pool Name Caudill Perm Upper Penn	
4 Property Code 2391		5 Property Name 1 - PRINCE NYMPH			6 Well Number 1
7 OGRID No. 5898		8 Operator Name DAVID H. ARRINGTON OIL & GAS, INC.			9 Elevation 3902'

10 SURFACE LOCATION

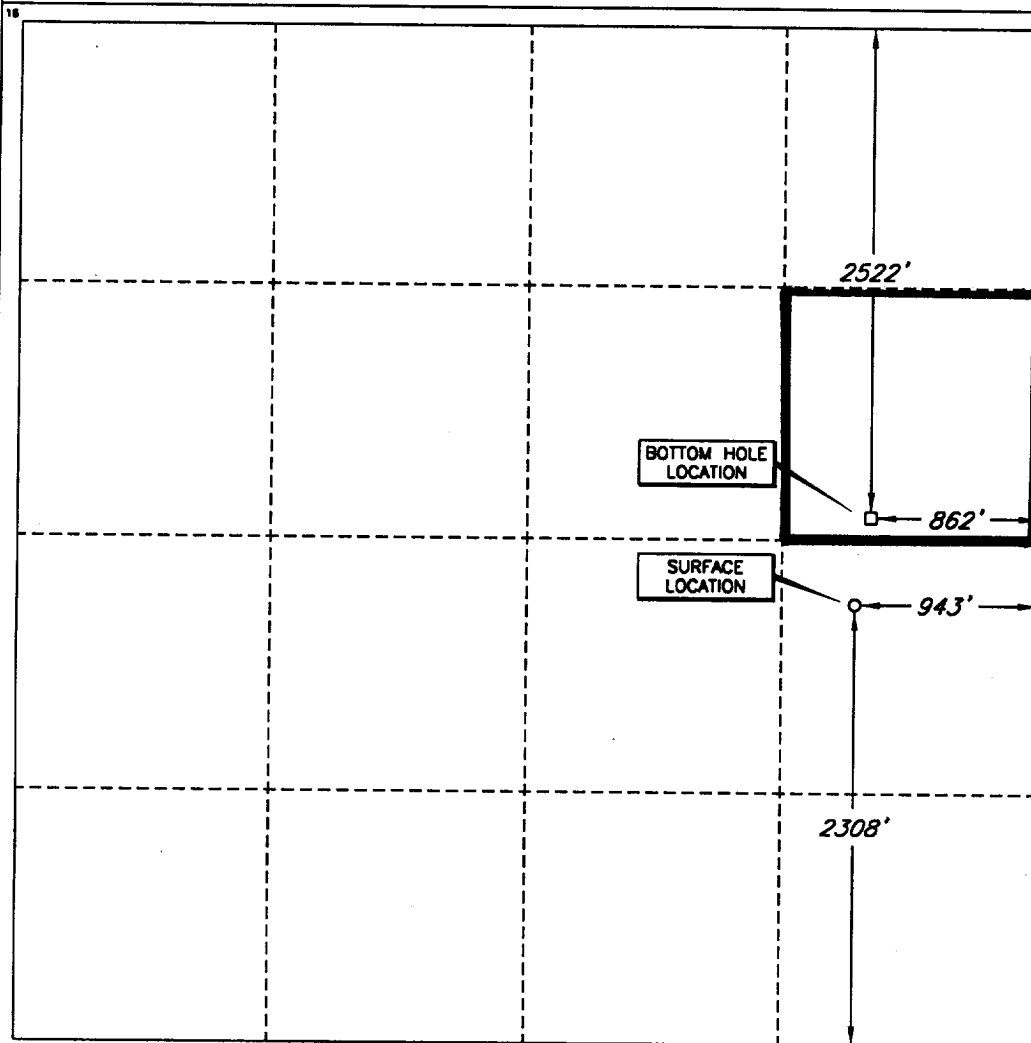
UL or lot no. I	Section 29	Township 15 SOUTH	Range 36 EAST, N.M.P.M.	Lot Ida	Feet from the 2308'	North/South line SOUTH	Feet from the 943'	East/West line EAST	County LEA
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11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no. H	Section 29	Township 15 SOUTH	Range 36 EAST, N.M.P.M.	Lot Ida	Feet from the 2522'	North/South line NORTH	Feet from the 862'	East/West line EAST	County LEA
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No. B-11284
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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

Printed Name

Title

Date

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

Signature and Seal of
Professional Surveyor

V. LYNN
BEZNER
NO. 7920

Certification No. VAL LAND SURVEYOR
V. L. BEZNER S.S. #7920

JOB #60306 / 96 NE / R.M.R.