

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
Revised June 10, 2003

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

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

APR 0 2 2004

OCD-ARTESIA

☐ AMENDED REPORT

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

¹ Operator Name and Address GREAT WESTERN DRILLING COMPANY P.O. BOX 1659 MIDLAND, TX 79702		² OGRID Number 009338
		³ API Number 30 - 015 - 33266
³ Property Code	HESS STATE	⁵ Property Name
		⁶ Well No. 1

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	3	24-S	23-E		1,980'	SOUTH	1,050'	EAST	EDDY

⁸ Proposed Bottom Hole Location If Drilled

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	N	Cement to cover all oil, gas and water bearing zones.	county
⁹ Proposed Pool 1 HESS; MORROW, EAST (GAS)								

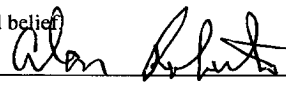
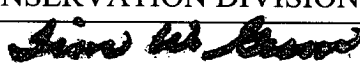
¹¹ Work Type Code NEW WELL	¹² Well Type Code GAS	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code STATE V07041-0000	¹⁵ Ground Level Elevation 4,485'
¹⁶ Multiple NO	¹⁷ Proposed Depth 10,900'	¹⁸ Formation MORROW	¹⁹ Contractor	²⁰ Spud Date 07/01/2004

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#	400'	900 SX CL C	SURFACE
12 1/4"	8 5/8"	24# & 32#	2,500'	1,400 SX CL C	SURFACE
7 7/8"	5 1/2"	17#	10,900'	1,900 SX CL C	5,000

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.

Great Western Drilling Company proposes to drill and test the Morrow and intermediate formations. Approximately 375' of surface casing will be set and cement circulated. If commercial, production casing will be run and cemented. The pay zones perforated and stimulated as needed.
MUD PROGRAM: 0-375' FW gel/ Spud Mud; 375'-2,500' Fresh water; 2,500'-4500' Fresh water; 4,500'-8,500' cut brine; 8,500'-TD polymer mud-salt gel/starch.
BOPE PROGRAM: 3000# BOPE will be installed on 13 3/8" casing & tested daily. Schematic attached

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: 		Approved by: 	
Printed name: ALAN ROBERTS		Title: District Supervisor	
Title: PETROLEUM ENGINEER		Approval Date: APR 0 5 2004 Expiration Date: APR 0 5 2005	
E-mail Address:			
Date: 03/30/2004	Phone: (432)682-5241	Conditions of Approval Attached <input type="checkbox"/>	

NOTIFY OCD SPUD & TIME
TO WITNESS 8 5/8" CASING

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

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code		Pool Name	
Property Code		Property Name HESS STATE			Well Number 1
OGRID No. 09338		Operator Name GREAT WESTERN DRILLING COMPANY			Elevation 4485'

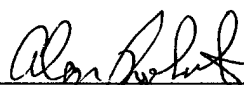
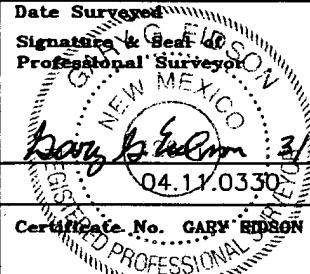
Surface Location

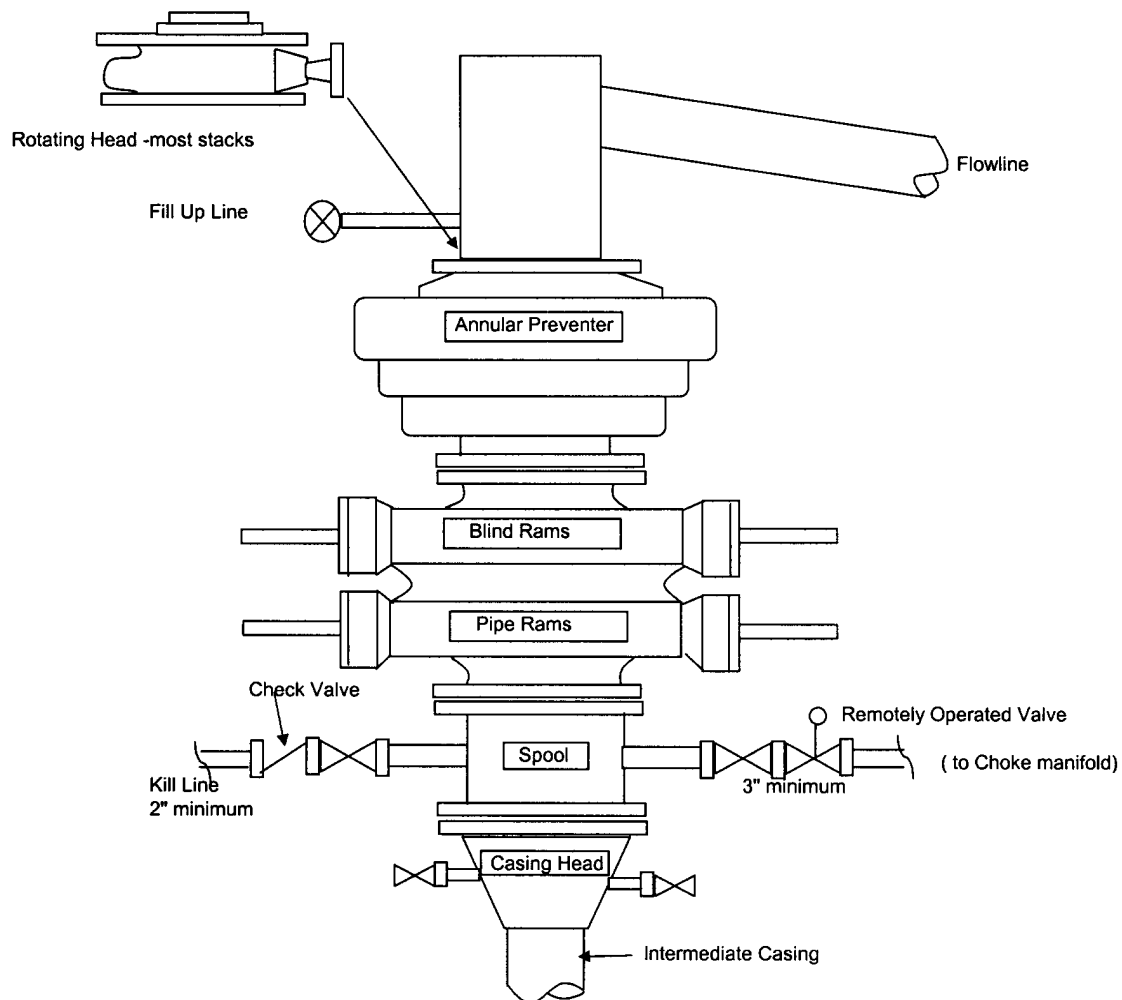
UL or lot No. 1	Section 3	Township 24-S	Range 23-E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 1050	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

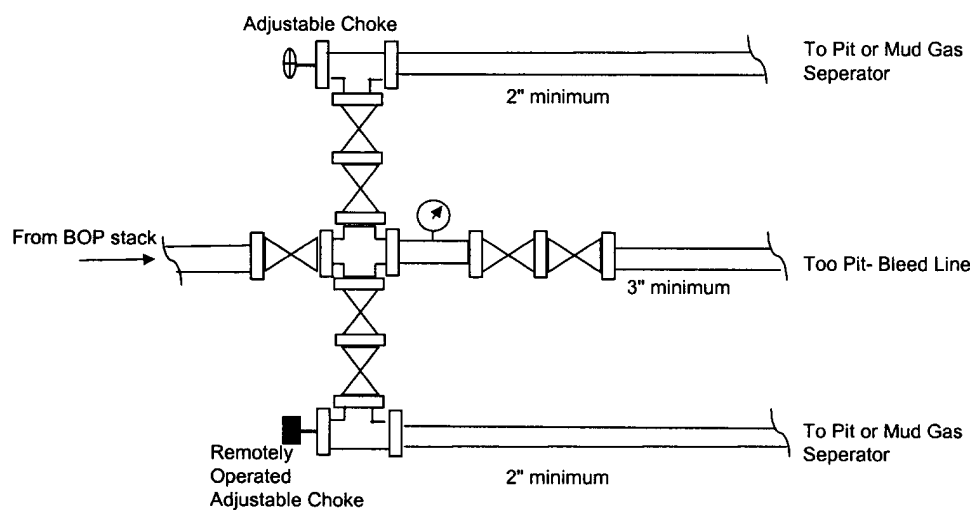
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill	Consolidation Code		Order No.				

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

LOT 4		LOT 3		LOT 2		LOT 1	
GEODETTIC COORDINATES NAD 27 NMEZ Y = 452375.2 N X = 423099.3 E LAT. = 32°14'36.43"N LONG. = 104°34'55.43"W		1050'		1980'		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature ALAN ROBERTS Printed Name PETROLEUM ENGINEER Title MARCH 30, 2004 Date	
RECEIVED APR 02 2004 OCD-ARTESIA		March 23, 2004		Date Surveyed Signature & Seal Professional Surveyor  Certificate No. GARY EDSON 12841			



Typical 5,000 psi WP Choke Manifold with minimum features



Great Western Drilling Company

**5,000 psi WP
BOP Stack &
Choke Manifold**

by: Alan Roberts

12/17/02



GREAT WESTERN DRILLING COMPANY
Post Office Box 1659 • Midland, Texas 79702 • 915/682-5241

March 30, 2004

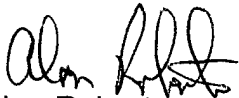
Oil Conservation Division - District II
1301 W. Grand Avenue
Artesia, NM 88210

Re: H2S Rule 118
APD – Hess State # 1
NE 1/4, Sec 19, T-18-S, R-26-E

Gentlemen:

I have researched the zones and the production in the area of this proposed well. I can not find any potential H2S zone at this location. After reviewing Rule 118, I have determined that the rule does not apply to this well.

Sincerely,


Alan Roberts
Petroleum Engineer

RECEIVED
APR 02 2004
OCD-ARTESIA