

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
SF-077107-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
22404

8. Lease Name and Well No.
MICHENER LS 3M

9. API Well No.
30-045-30885

10. Field and Pool, or Exploratory
BLANCO MESAVERDE/BASIN DAKO

11. Sec., T., R., M., or Blk. and Survey or Area
M Sec 10 T28N R9W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

17. Spacing Unit dedicated to this well

320.00 1/2 Sec 15

20. BLM/BIA Bond No. on file

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
VICKI WESTBY

Date
10/19/2001

Title
AUTHORIZED SIGNATURE

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #8100 verified by the BLM Well Information System
For CONOCO INC., sent to the Farmington
Committed to AFMSS for processing by Maurice Johnson on 10/24/2001 ()

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

ALL OPERATIONS / ACTIONS ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

HOLD COPY FOR Directional Survey

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30885		*Pool Code 72319 / 71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 22404	*Property Name MICHENER LS		*Well Number 3M
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6363'

¹⁰ Surface Location

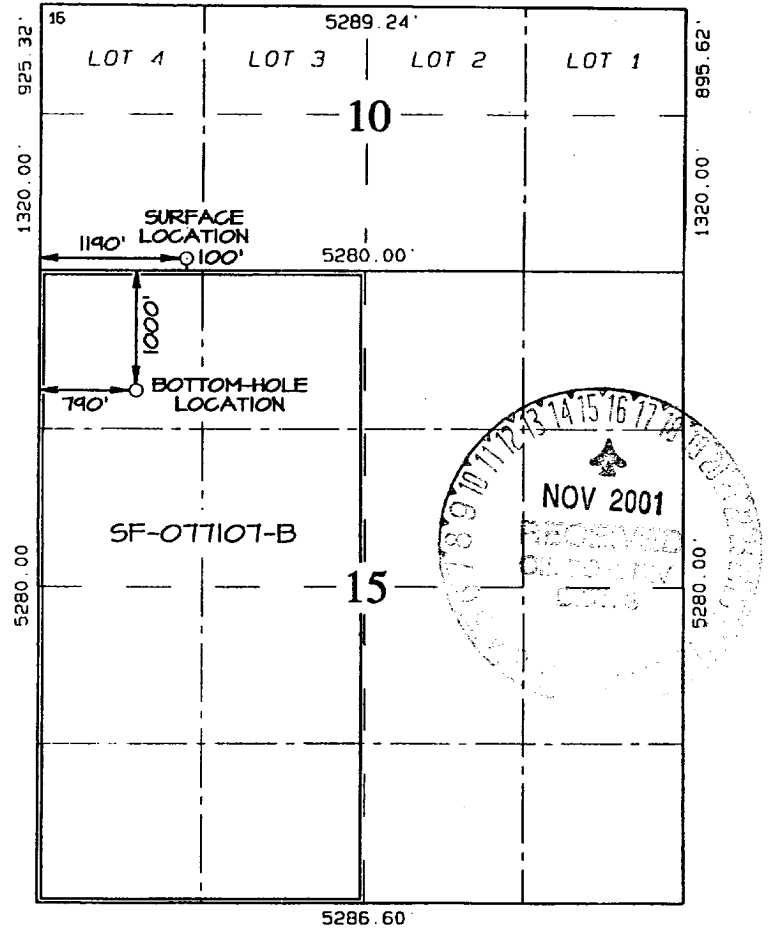
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	10	28N	9W		100	SOUTH	1190	WEST	SAN JUAN

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
D	15	28N	9W		1000	NORTH	790	WEST	SAN JUAN

¹² Dedicated Acres 320 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Vicki R. Westby
Signature
Vicki R. Westby
Printed Name
Sr. Title Analyst
Title
October 19, 2001
Date

¹⁸ SURVEYOR CERTIFICATION

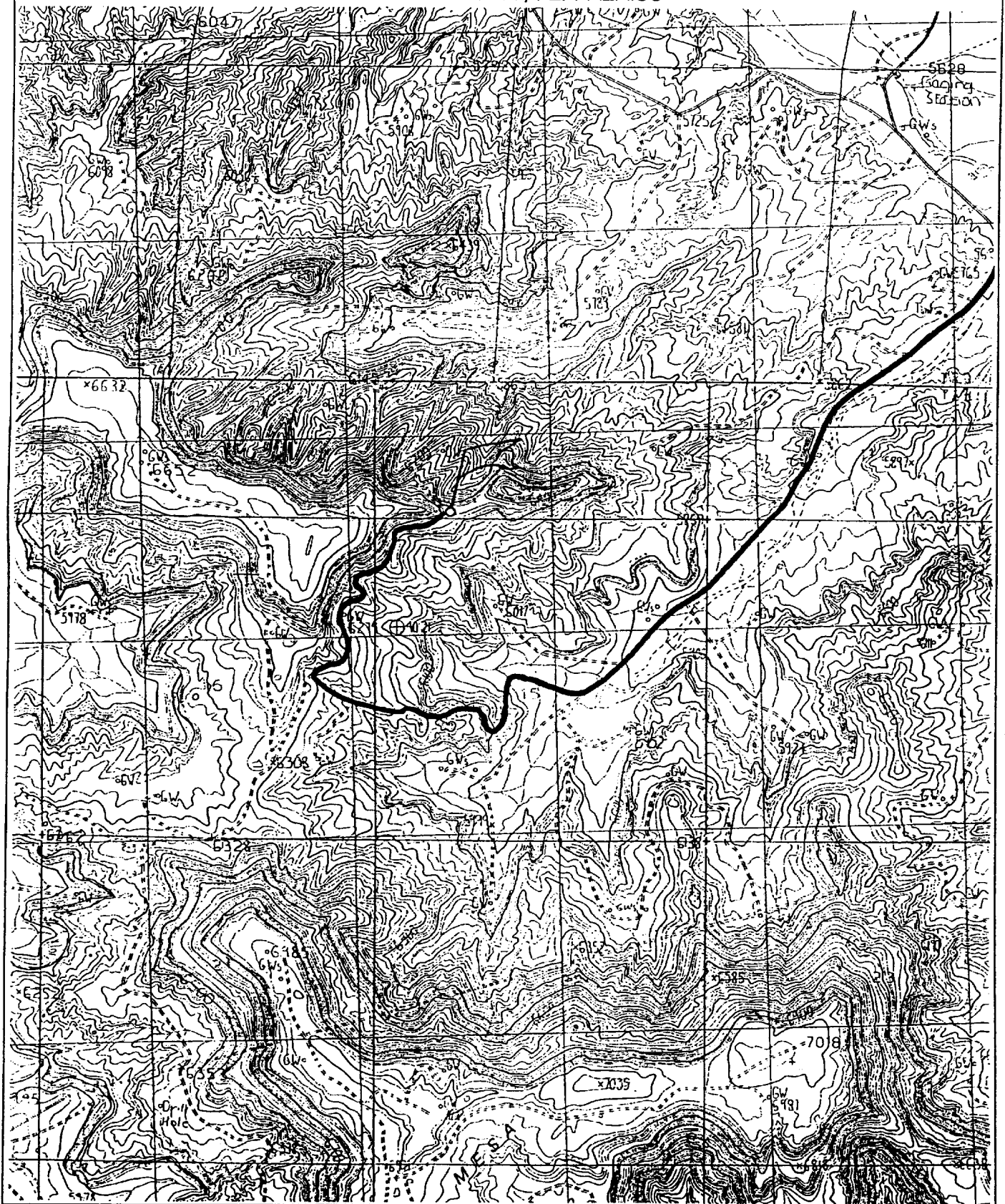
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Survey Date: AUGUST 20, 2001

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
Certificate Number 15269

100' FSL & 1190' FWL, SECTION 10, T28N, R9W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



PROJECT PROPOSAL - New Drill / Sidetrack



Well : MICHENER LS 3M

Lease : MICHENER

AFE # : 3332 (MV)

AFE \$:

Field Name : EAST NON 28-7

Rig : Key 43

State : NM

County : San Juan

API # :

Geoscientist : Glaser, Terry J

Phone : (281) 293 - 6538

Prod. Engineer : Moody, Craig E.

Phone : (281) 293 - 6559

Res. Engineer : Shannon, Marc

Phone : (281) 293 - 6564

Proj. Field Lead :

Phone :

Primary Objective (Zones):

Pool	Pool Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

"Air Drill"

Surface Location :

Latitude : 36.669528	Longitude : -107.7804	X :	Y :	Section : 10	Survey : 28N	Abstract : 9W
Footage X : 1190 FWL	Footage Y : 100 FSL	Elevation:	6364 (FT)			

Bottom Hole Location :

Latitude :	Longitude :	X :	Y :	Section :	Survey :	Abstract :
Location Type : Year Round	Start Date (Est.) :	Completion Date :	Date In Operation :			

Formation Data : Assume KB = 6377 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	285	6092	☒			Drill 12 1/4" hole to +/- 285'. Severe lost circulation is possible. Run and cement 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1627	4750	☒			Possible water flows
KRLD	1767	4610	☒			
FRLD	2452	3925	☒			Possible gas
PCCF	2697	3680	☒			
LEWS	3097	3280	☒			
Intermediate Casing	3197	3180	☒			Drill 8 3/4" hole to 3372' MD. Run and cement 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CLFH	4345	2032	☒	1300		Gas; possibly wet
MENF	4372	2005	☒			Gas
PTLK	4955	1422	☒			Gas
GLLP	6039	338	☒			
GRHN	6935	-558	☒			Gas possible, highly fractured
TWLS	7025	-648	☒			Gas
PAGU	7037	-660	☒			Gas
CBBO	7087	-710	☒			Gas

PROJECT PROPOSAL - New Drill / Sidetrack



Total Depth	7285	-908		3000	Drill 6 1/4" hole with an air hammer to 7490' MD. Run and cement 4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Logging Program :

Intermediate Logs :

☐ Log only if show☐ GR / ILD☐ Triple Combo

TD Logs :

☐ Triple Combo☐ Dipmeter☐ RFT☐ Sonic☐ VSP☒ TDT

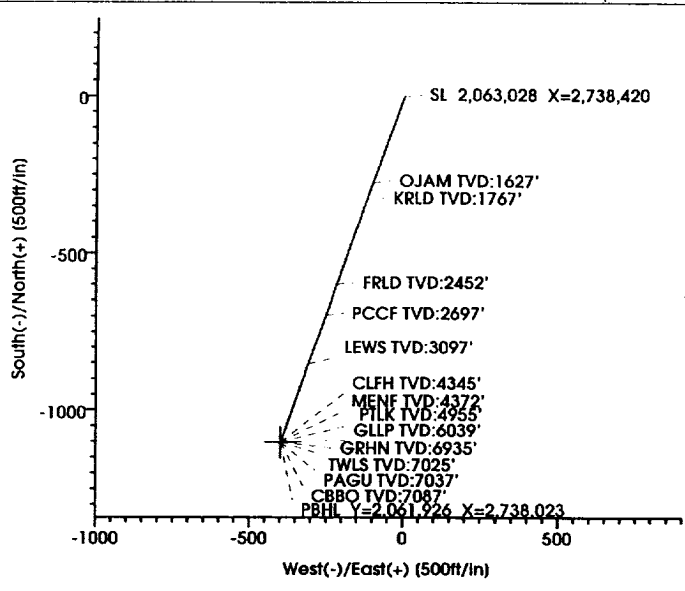
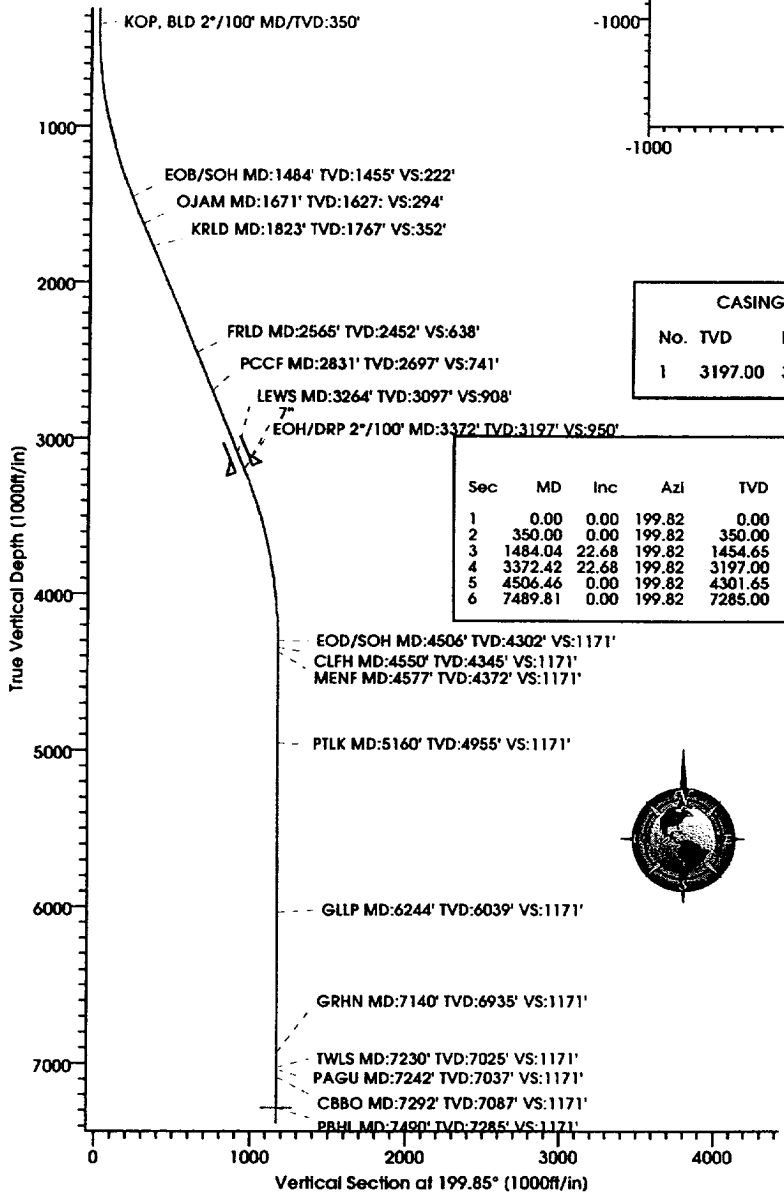
Additional Information : Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.

Cased hole TDT with GR to surface.

Comments : Assumed KB Check Tops when ground elevation is known.

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CONOCO, INC.
Michener LS 3M
East Non 28-7 Field
San Juan County, New Mexico
Rig: Key 43
Quote # Q1078D-CN



CASING DETAILS			
No.	TVD	MD	Size
1	3197.00	3372.42	7"



SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Tface	VSec Target
1	0.00	0.00	199.82	0.00	0.00	0.00	0.00	0.00	0.00
2	350.00	0.00	199.82	350.00	0.00	0.00	0.00	0.00	0.00
3	1484.04	22.68	199.82	1454.65	-208.42	-75.10	2.00	199.82	221.54
4	3372.42	22.68	199.82	3197.00	-893.46	-321.94	0.00	0.00	949.69
5	4506.46	0.00	199.82	4301.65	-1101.88	-397.04	2.00	180.00	1171.23
6	7489.81	0.00	199.82	7285.00	-1101.88	-397.04	0.00	0.00	1171.23 PBHL



PLANE OF VERTICAL SECTION 199.82°

Surface Location:
Northing: 2,063,027.76 / Latitude: 36° 40' 10.279" N
Easting: 2,738,420.48 / Longitude: 107° 46' 51.898" W

Magnetic Field Strength: 51780 nT
Dip Angle: 63.651°

PBHL:
Northing: 2,061,925.88 / Latitude: 36° 39' 59.385" N
Easting: 2,738,023.44 / Longitude: 107° 46' 56.779" W

North Relative to TRUE
Magnetic Declination: 11.135°



Plan: PLAN (Q1078D-CN/PLAN)

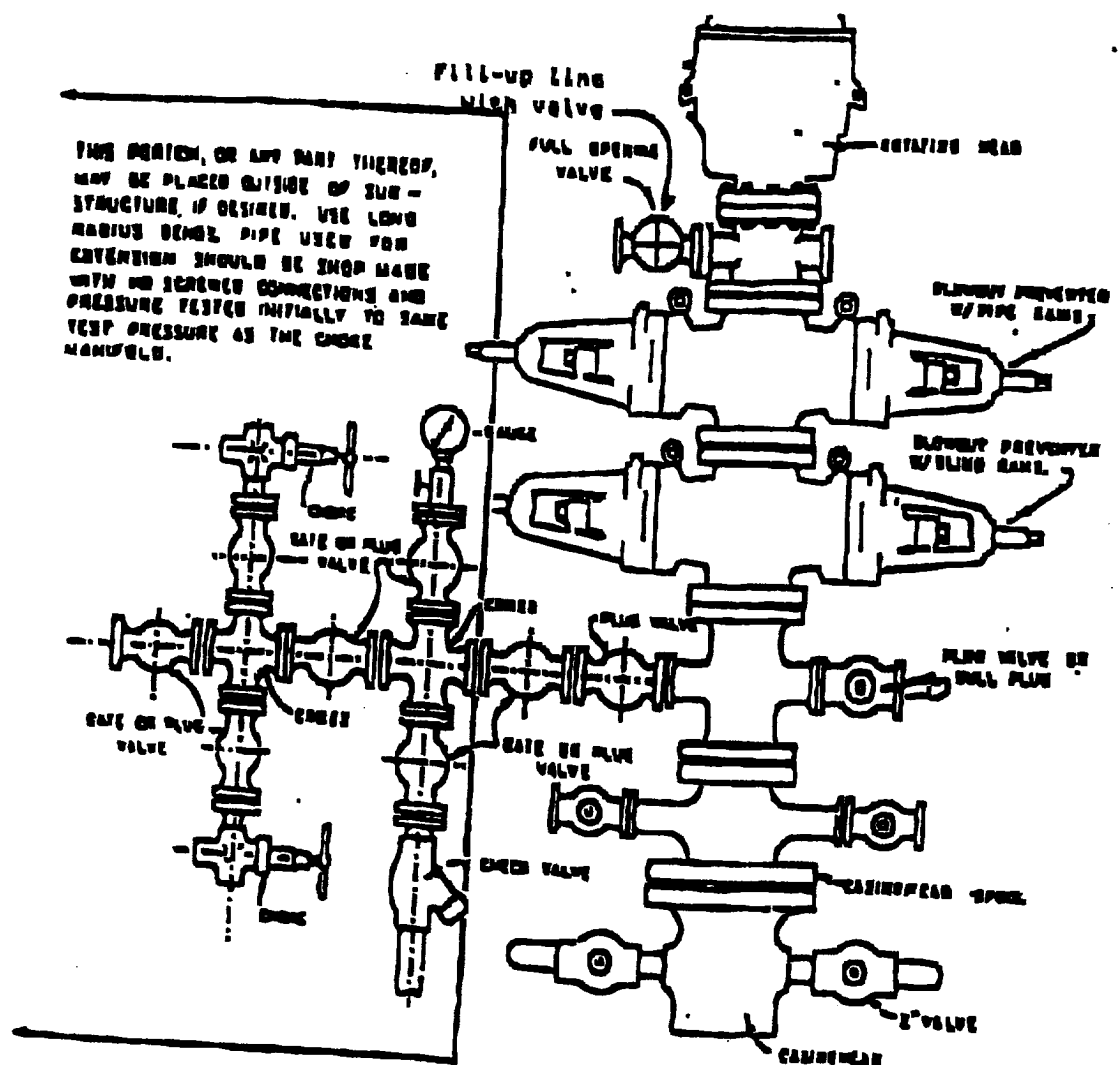
Created By: NORA TUCKER Date: 10/16/2001

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

F:\WP5\CONING\Q1078D\Q1078D.D



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 psi equipment, but cannot provide annular preventers because of sub-structure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. Please see the attached BOP diagram details 2000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 3000 psi. The 2000 psi system allows the isolation of the annular preventer and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

1. Two rams with one blind and one pipe ram.
2. Kill line (2 inch maximum).
3. One kill line valve.
4. One choke line valve.
5. Two chokes (reference diagram No. 1).
6. Upper kelly cock valve with handle.
7. Safety valve and subs to fit all drill strings in use.
8. Two-inch minimum choke line.
9. Pressure gauge on choke manifold.
10. Fill-up line above the upper most preventer.
11. Rotating head.