

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-03560
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INC. Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		7. If Unit or CA Agreement, Name and No.
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	8. Lease Name and Well No. SAN JUAN 28-7 UNIT 101F
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface NESW 1365FSL 2260FWL At proposed prod. zone		9. API Well No. 30-039-26896
14. Distance in miles and direction from nearest town or post office*		10. Field and Pool, or Exploratory BLANCO MESAVERDE, Basin Dakota
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	11. Sec., T., R., M. or Blk. and Survey or Area K Sec 30 T27N R7W Mer NMP
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7474 MD	12. County or Parish RIO ARRIBA
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6661 GL	22. Approximate date work will start	13. State NM
23. Estimated duration		17. Spacing Unit dedicated to this well 321.44 w/p
20. BLM/BIA Bond No. on file		

## 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.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 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). | 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 12/28/2001
Title AUTHORIZED SIGNATURE		
Approved by (Signature) /s/ Jim Lovato	Name (Printed/Typed)	Date 2/19/02
Title BAFM	Office BLM-FFO	

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 #9888 verified by the BLM Well Information System  
For CONOCO INC., will be sent to the FarmingtonThis action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.SUBJECT TO COORDINATION WITH ATTACHED  
"GENERAL REQUIREMENTS"

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NMOC

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

District II  
PO Drawer CD, 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 <b>30-039-26896</b>		*Pool Code <b>72319 / 71599</b>	*Pool Name <b>BLANCO MESAVERDE / BASIN DAKOTA</b>
*Property Code <b>016608</b>	*Property Name <b>SAN JUAN 28-7 UNIT</b>		*Well Number <b>101F</b>
*GRID No. <b>005073</b>	*Operator Name <b>CONOCO, INC.</b>		*Elevation <b>6561'</b>

<sup>10</sup> Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	30	27N	7W		1365	SCUTH	2260	WEST	RIO ARriba

<sup>11</sup> Bottom Hole Location If Different From Surface

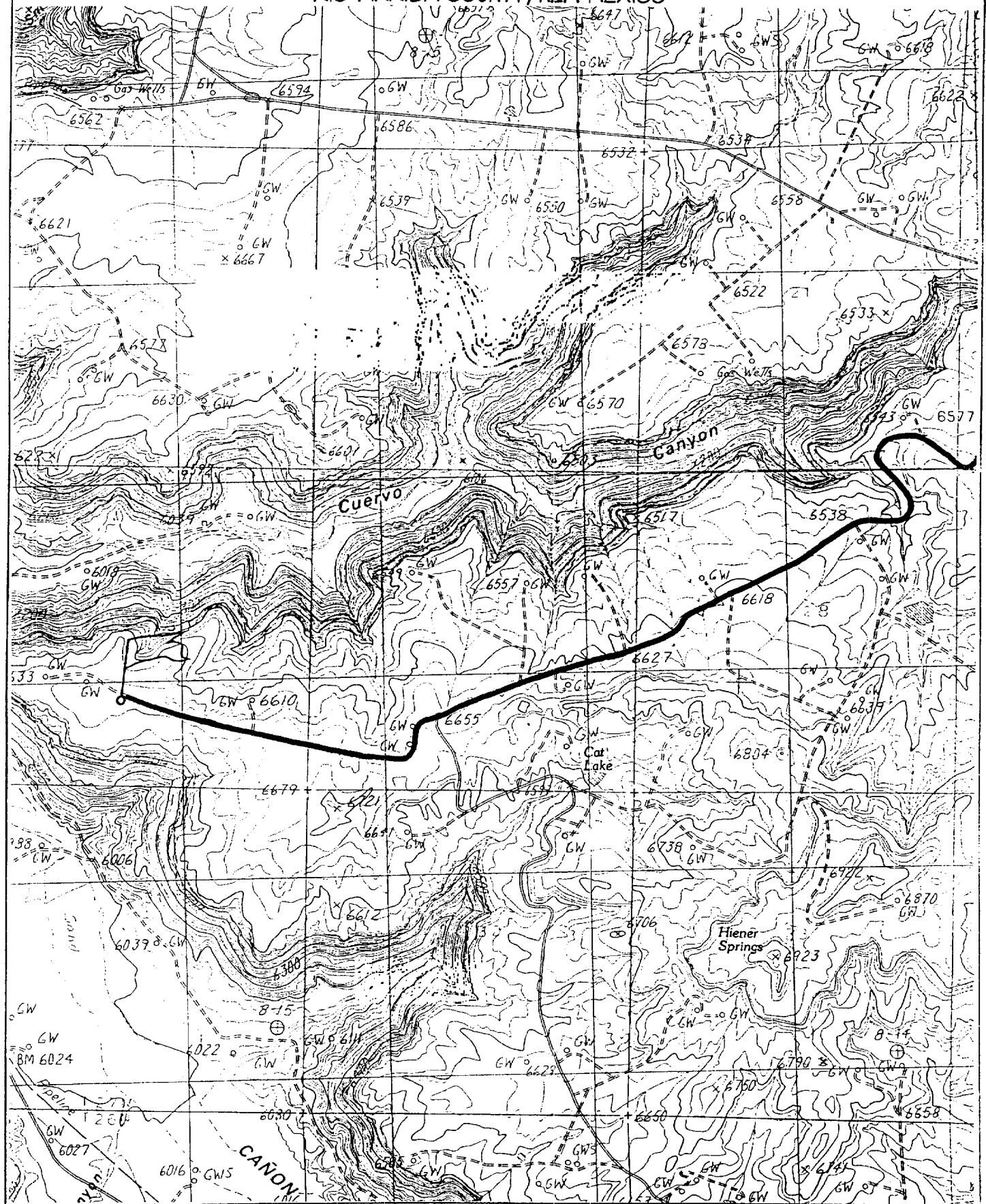
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres <b>321.44 Acres - W/2</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 1336.50'	1319.34'	2639.34'	<div><p><sup>17</sup> OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p><i>Vicki R. Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title <i>December 7, 2001</i> Date</p><p><sup>18</sup> SURVEYOR CERTIFICATION</p><p>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.</p><p>Survey Date: NOVEMBER 12, 2001</p><p>Signature and Seal of Professional Surveyor</p><div><p>JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR</p></div><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>
LOT 1			
LOT 2			
LOT 3			
5272.08'	NM-03560	30	
2260'			
LOT 4			
1325.28'	1319.34'	2637.36'	

CONOCO, INC. SAN JUAN 28-7 UNIT #10IF  
1365' FSL & 2260' FWL, SECTION 30, T27N, R7W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
CMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		2. Name of Operator CONOCO INC.		Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com	5. Lease Serial No. NM-03560
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705		3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799		8. Well Name and No. SAN JUAN 28-7 UNIT 101F	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T27N R7W NESW 1365FSL 2260FWL				9. API Well No.	
10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKOT				11. County or Parish, and State RIO ARRIBA COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco Inc. now proposes to complete this vertical wellbore in the Blanco Mesaverde/Basin Dakota formations. This well will be downhole commingled pursuant to the terms and conditions in Order R-11363.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #10329 verified by the BLM Well Information System  
For CONOCO INC., will be sent to the Farmington**

Name (Printed/Typed) VICKI WESTBY

Title AUTHORIZED SIGNATURE

Signature

(Electronic Submission)

Date 02/08/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

PE

Date

2/19/02

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

Office

FFO

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.

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NMOCD

# PROJECT PROPOSAL - New Drill / Sidetrack



Well : SAN JUAN 28-7 101F	Lease : SAN JUAN 28-7	AFE # : 3474 (MV)	AFE \$ : 225000
Field Name : EAST 28-7	Rig : Key 43	State : NM	County : Rio Arriba
Geoscientist : Glaser, Terry J	Phone : (281) 293 - 6538	Prod. Engineer : Moody, Craig E.	Phone : (281) 293 - 6559
Res. Engineer : Valvatne, Christine K.	Phone :	Proj. Field Lead : Bergman, Pat W.	Phone : (281) 293 - 6517

## Primary Objective (Zones) :

Pool	Pool Name
RON	BLANCO MESAVERDE (PRORATED GAS)

*"Air Drill"*

## Surface Location :

Latitude : 36.540506	Longitude : -107.6172	X :	Y :	Section : 30	Survey : 27N	Abstract : 7W
Footage X : 2260 FWL	Footage Y : 1365 FSL	Elevation:	6661 (FT)			

## Bottom Hole Location :

Latitude :	Longitude :	X :	Y :	Section :	Survey :	Abstract :
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Location Type : Year Round

Start Date (Est.) :

Completion Date :


Date In Operation :

Formation Data : Assume KB = 6674 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion	BHP (PSIG)	BHT	Remarks
Surface Casing	285	6389				Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	2144	4530				Possible water flows"
KRLD	2259	4415				
FRLD	2649	4025				Possible gas
PCCF	2899	3775				
LEWS	3299	3375				
Intermediate Casing	3399	3275				7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	3799	2875				
CLFH	4564	2110				Gas; possibly wet
MENF	4594	2080				Gas
PTLK	5224	1450		1300		Gas
MINCS	5524	1150				
GLLP	6339	335				
GRHN	7144	-470				Gas possible, highly fractured
TWLS	7224	-550				Gas
CBBO	7432	-758				Gas

# PROJECT PROPOSAL - New Drill / Sidetrack



Total Depth	7474	-800		3000		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 :

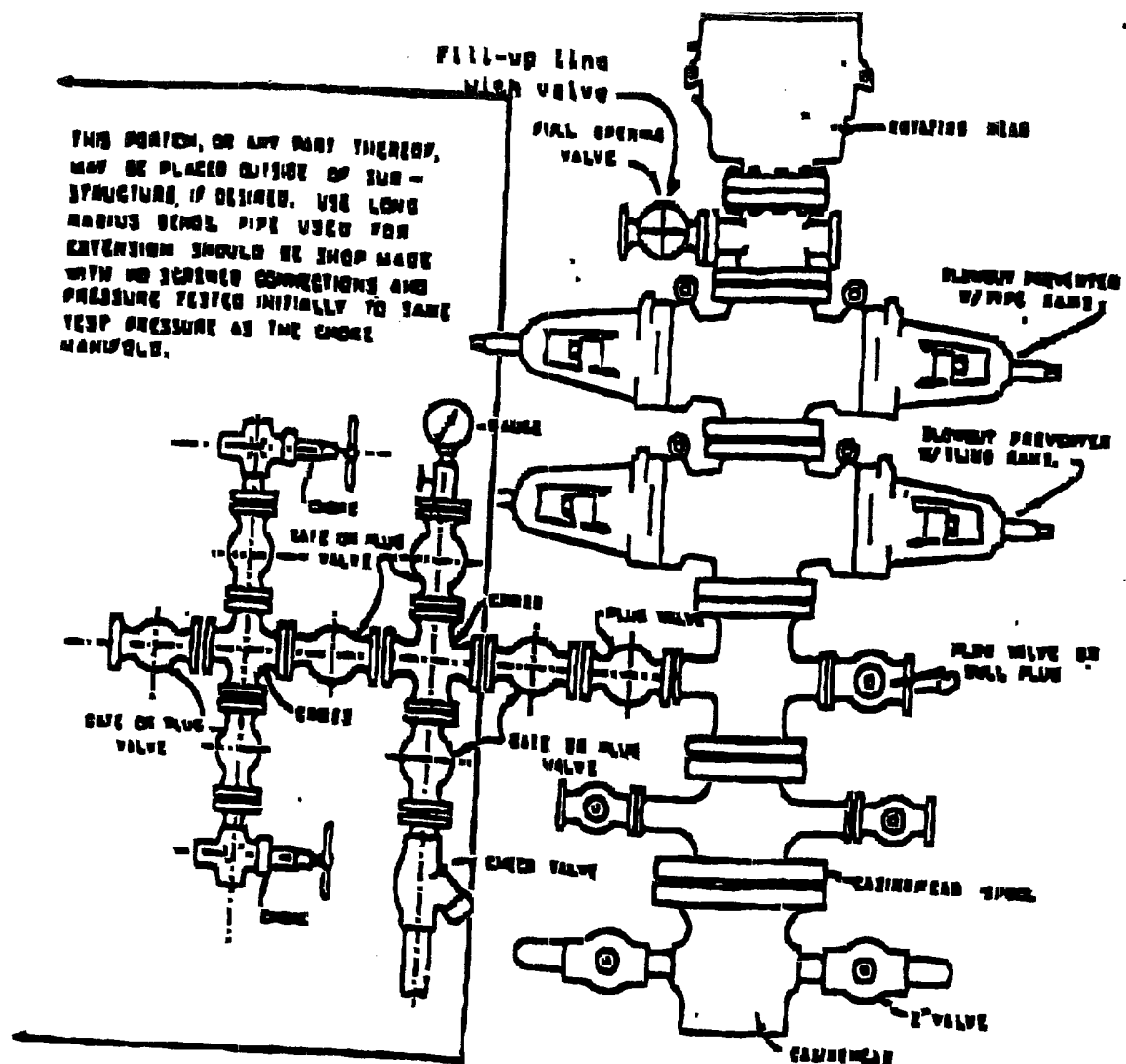
☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

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 :



# BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 1000 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 1000 psi. The 2000 psi system allows isolation of the annular preventor 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 preventor.
11. Rotating head.