

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-078913

6. If Indian, Allottee or Tribe Name

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

NM 78399X

8. Lease Name and Well No.
LINDRITH B UNIT 110

19017

9. API Well No.

30-5 39-26820

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
CONOCO INC.

Contact: KIM SOUTHALL
E-Mail: kim.j.southall2@conoco.com

3a. Address
10 DESTA DRIVE, SUITE 607W
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 915.686.5565 Fx: 915.686.6503

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface SWSE 900FSL 1770FEL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

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

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.

19. Proposed Depth

7825 MD

21. Elevations (Show whether DF, KB, RT, GL, etc.)
7127 GL

22. Approximate date work will start

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

Name (Printed/Typed)
KIM SOUTHALL

Date
09/06/2001

Title
SUBMITTING CONTACT

Approved by (Signature)

/s/ David R. Sitzler

Name (Printed/Typed)

Date
SEP 9 1 2001

Title

Acting Asst Field Manager

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 #7027 verified by the BLM Well Information System
For CONOCO INC., sent to the Rio Puerco
Committed to AFMSS for processing by Angie Medina-Jones on 09/07/2001 ()

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

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 30039-26820		*Pool Code 39189	*Pool Name LINDRITH GALLUP-DAKOTA, WEST
*Property Code 19017	*Property Name LINDRITH B UNIT		*Well Number 110
*OGRID No 005073	*Operator Name CONOCO, INC.		*Elevation 7127'

10 Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	15	24N	3W		900	SOUTH	1770	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

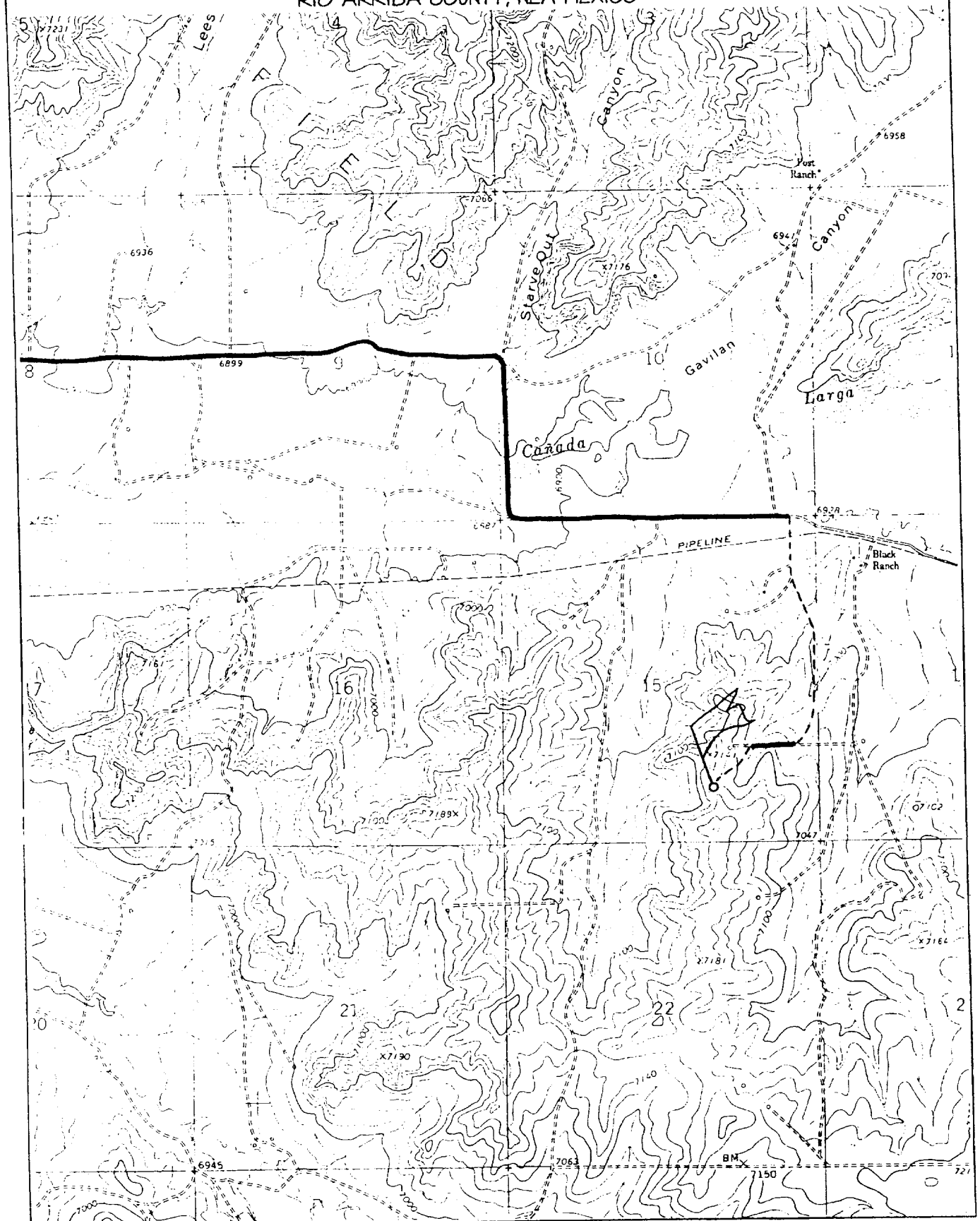
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160.0 Acres - (SE/4)					13 Joint or Infill:		14 Consolidation Code		15 Order No.

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

16 5276.04' 5280.00' 15 SF-078913 1770' 900' 5276.04'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Vicki R. Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title Sept. 5, 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 Date of Survey: AUGUST 17, 2001 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269

CONOCO, INC. LINDRITH B UNIT #110

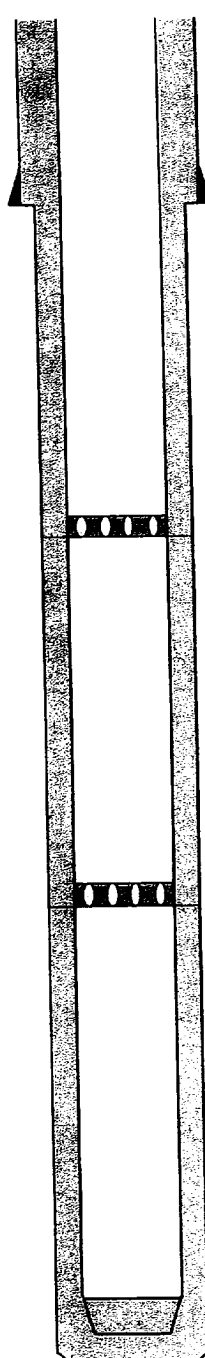
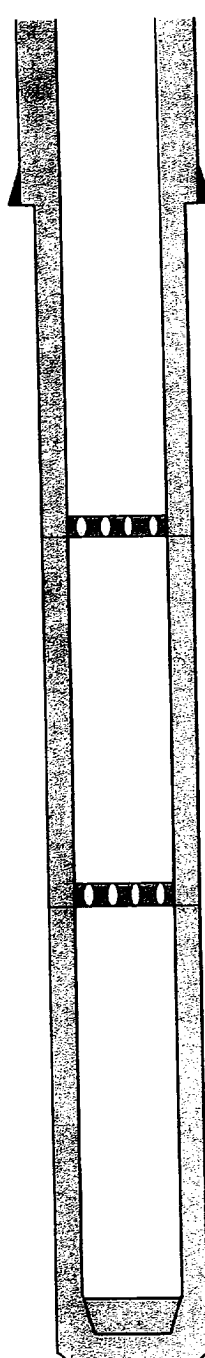
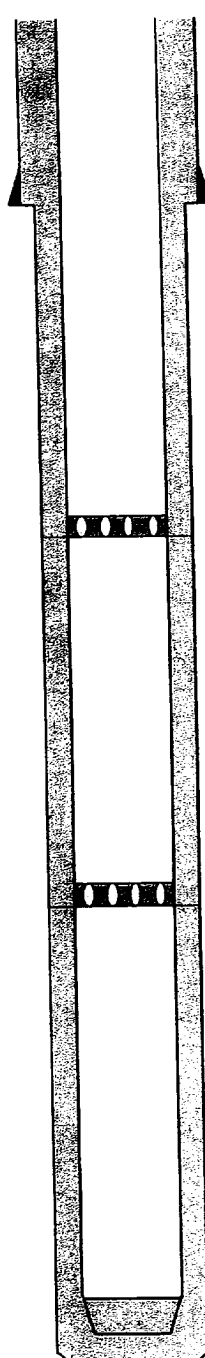
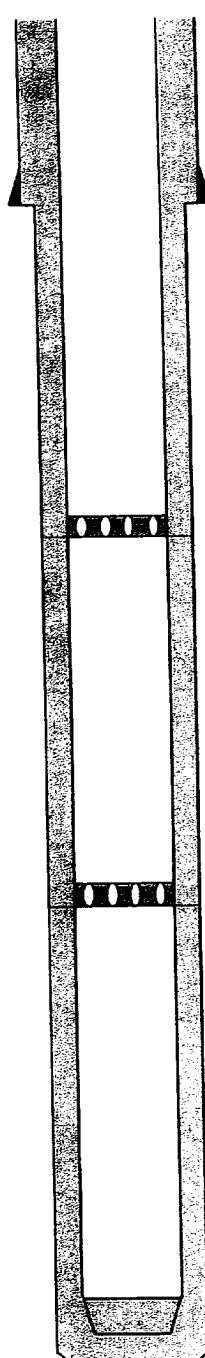
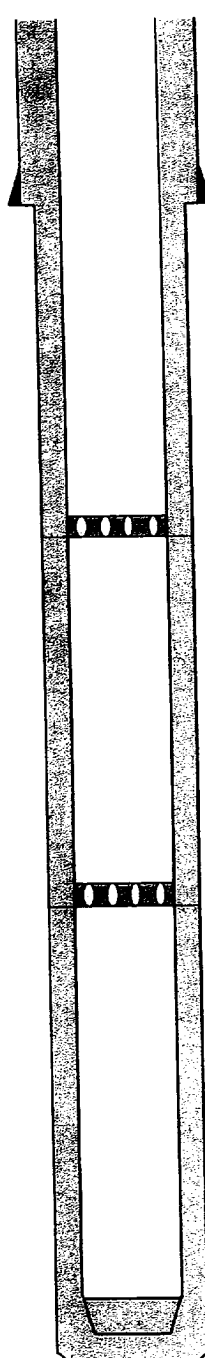
900' FSL & 1770' FEL, SECTION 15, T24N, R3W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





Cementing Summary

Lindrith B Unit, Well #110

	OH					
	Depth	Excess				
	9-5/8" Sfc. Casing	0	Class 'H' Cement	311 sx	Slurry Volume	329.5 cu ft
			Flocele (if req'd)	0.25 lb/sk		58.7 bbl
			CaCl ₂	2.00% bwoc-db	Slurry Density	16.5 ppg
			Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.06 cu ft/sk
					Mix Fluid	4.2 gal/sk
	9-5/8" shoe	497 100%	Cement Blend	712 sx	Slurry Volume	2013.7 cu ft
			Class 'H' Cement	84 lb/sk		358.7 bbl
			San Juan Poz	lb/sk	Slurry Density	11.4 ppg
			Econolite	3.00% bwob	Slurry Yield	2.83 cu ft/sk
			CaCl ₂	bwob	Mix Fluid	17.29 gal/sk
			CFR-3	bwob		
			HR-5	bwob		
			Silicalite-blended	10 lb/sk		
			Flocele	0.5 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
	DV Tool #2 Stage #3	4,750 75%	Cement Blend	543 sx	Slurry Volume	923.09 cu ft
			Class 'H' Cement	47 lb/sk		164.4 bbl
			San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg
			Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk
			Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk
			CFR-3	0.20% bwob		
			HR-5	0.10% bwob		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
	DV Tool #1 Stage #2	6,934 60%	Cement Blend	156 sx	Slurry Volume	264.8 cu ft
			Class 'H' Cement	47 lb/sk		47.2 bbl
			San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg
			Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk
			Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk
			CFR-3	0.20% bwob		
			HR-5	0.10% bwob		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
	5-1/2" Shoe Stage #1	7,462 60%				

Note: Conoco to verify DV depths

PROJECT PROPOSAL - New Drill / Sidetrack



Well : LINDRITH B UNIT 110	Lease : LINDRITH B UNIT	AFE # : 3320 (MV)	AFE \$:
Field Name : LINDRITH	Rig : Key 49	State : NM	County : RIO ARRIBA
Geoscientist : Johnson, Tom B.	Phone : (281) 293 - 6551	Prod. Engineer : Bergman, Pat W.	Phone : (281) 293 - 6517
Res. Engineer : Riley, Steve	Phone : (281) 293-3967	Proj. Field Lead : Eric E. Fransen	Phone :

Primary Objective (Zones)

Pool	Pool Name
KCB	LINDRITH GALLUP-DAKOTA, WEST

Mud Drill

Surface Location

Latitude : 36.305692	Longitude : -107.1405	X :	Y :	Section : 15	Survey : 24N	Abstract : 3W
Footage X : 1770 FEL	Footage Y : 900 FSL	Elevation: 7127 (FT)				

Bottom Hole Location

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

Formation Data : Assume KB = 7140 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	497	6643	☒			Severe lost circulation is possible. 9 5/8", 36 ppf. J-55. STC casing. Circulate cement to surface. <i>12.25" Boie Hole</i>
OJAM	2760	4380	☒			Possible water flows
KRLD/FRLD	2965	4175	☒			
PCCF	3225	3915	☒			
LEWS	3307	3833	☒			
HURF	3602	3538	☒			
CHRA	4095	3045	☒			
CLFH	4882	2258	☒			Gas; possibly wet
MENF	4900	2240	☒			Gas
PTLK	5373	1767	☒			Gas
MNCS	5716	1424	☒			
GLLP	6496	644	☒			Possible lost circulation
SNST	7084	56	☒			Possible lost circulation
GRIIN	7375	-235	☒			Gas possible, highly fractured
GRRS	7438	-298	☒			
DKOT A	7462	-322	☒			

PROJECT PROPOSAL - New Drill / Sidetrack



DKOT C	7562	-422				
DKOT D	7640	-500				
DKOT D BASE	7672	-532				
ENCN	7719	-579				
BRRO	7740	-600				
Total Depth	7825	-685		1575	100	5 1/2", 17 ppt, L-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string, or to previous DV tool. 7.875" Bore Hole

Logging Program

Intermediate Logs :

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

TD Logs :

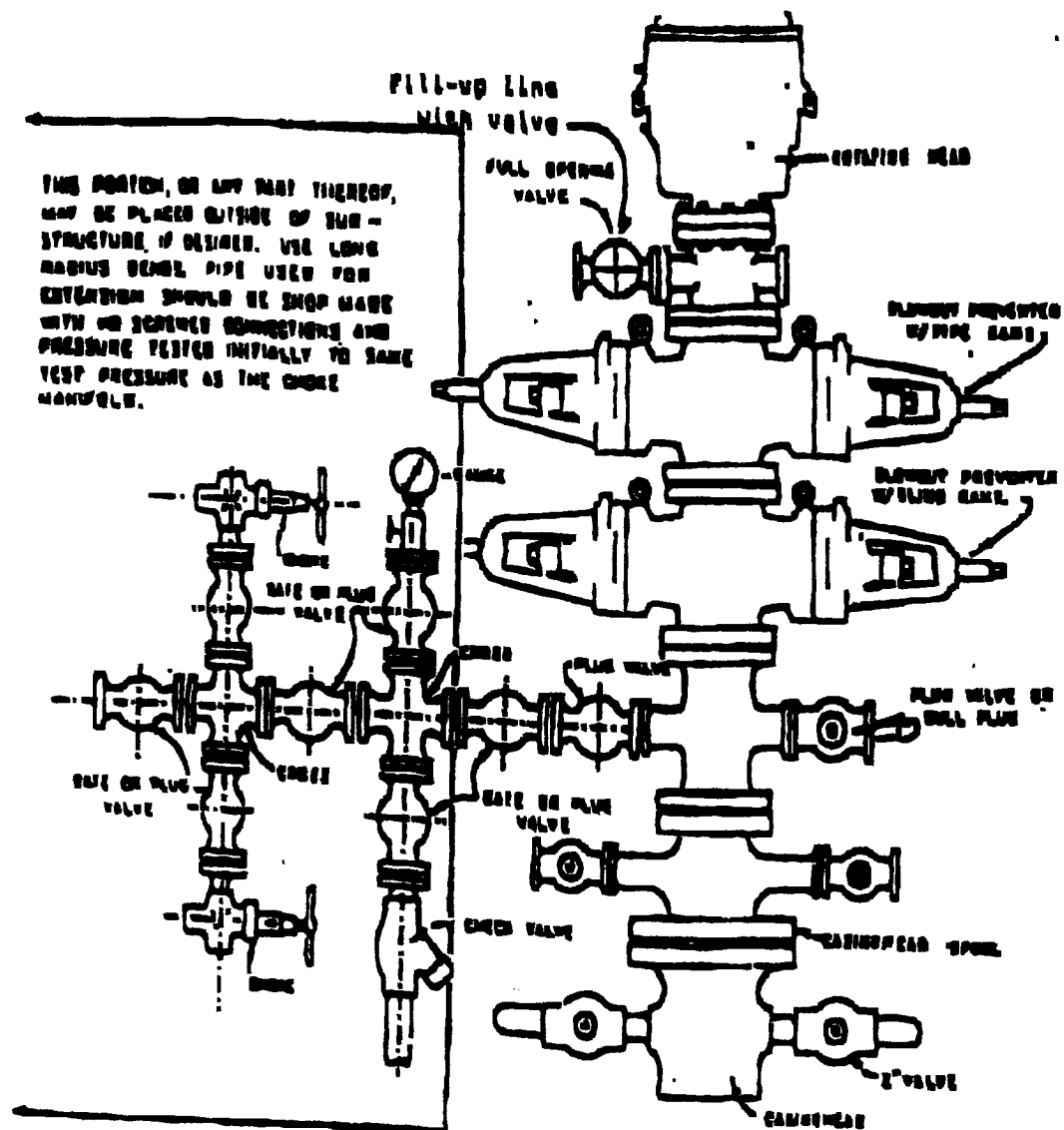
☒ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT

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 : Location is tentative as of 6-7-01



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 1000 psi equipment, but cannot provide annular preventors 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 1000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 1000 psi. The 1000 psi system allows the deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 1000 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.