Form 3160-3
(August 1999)

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

JAN 2002

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. CONTRACT 105
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. 18018
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. JICARILLA A 22C
2. Name of Operator CONOCO INC. Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com	9. API Well No. 30-039-26913
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799
	10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKO
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NWSE 1980FSL 1975FEL At proposed prod. zone	11. Sec., T., R., M., or Blk. and Survey or Area Sec 24 T26N R4W Mer NMP
14. Distance in miles and direction from nearest town or post office*	12. County or Parish RIO ARRIBA / 13. State NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1975	16. No. of Acres in Lease / 17. Spacing Unit dedicated to this well 320.00 S/2
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 8412 MD / 20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KB, RT, GL, etc. 7242 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 (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY	Date 11/16/2001
Title AUTHORIZED SIGNATURE		
Approved by (Signature) S.W. Anderson	Name (Printed/Typed)	Date
Title 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 #9027 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 11/16/2001 ()

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

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

District II
PO Drawer DD, 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

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-26913	72319 / 71599	Blanco Mesaverde / Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
18018	JICARILLA A	22C

[7] OGRID No.	[8] Operator Name	[9] Elevation
005073	CONOCO, INC.	7242'

[10] Surface Location

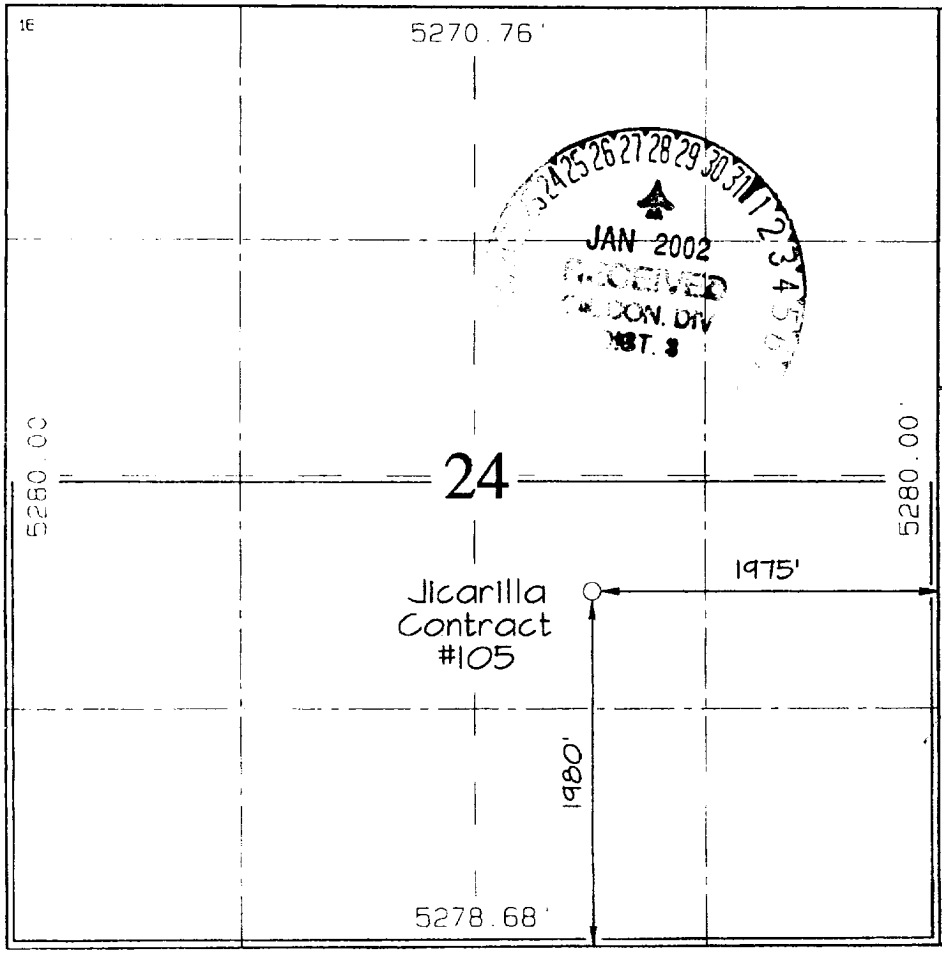
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	24	26N	4W		1980	SOUTH	1975	EAST	RIO ARRIBA

[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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.0 Acres - (S/2)			

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 Westby
Signature

Vicki R. Westby
Printed Name

Sr. Title Analyst
Title

November 13, 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 22, 2001

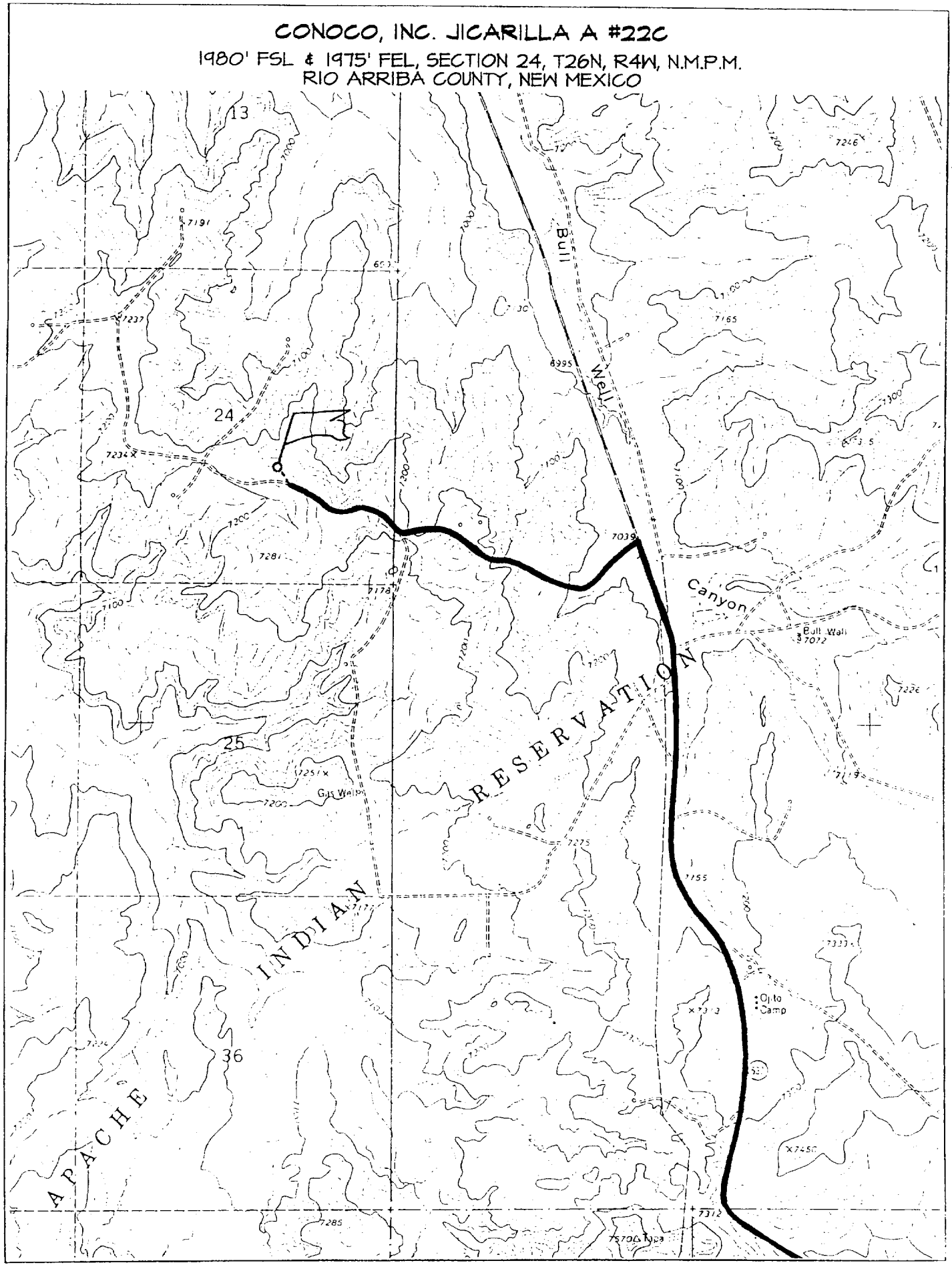
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

CONOCO, INC. JICARILLA A #22C

1980' FSL & 1975' FEL, SECTION 24, T26N, R4W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



PROJECT PROPOSAL - New Drill / Sidetrack

Well : JICARILLA A 22C Lease : JICARILLA A AFE # : AFE $:

Field Name : JICARILLA Rig : Key 49 State : NM County : Rio Arriba API # :

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 : Valdez, Judson Phone :

Primary Objective (Zones) :

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

"Bud Drill"

Surface Location :

Latitude : 36.470175 Longtitude : -107.2006 X : Y : Section : 24 Survey : 26N Abstract : 4W

Footage X : 1975 FEL Footage Y : 1980 FSL Elevation: 7242 (FT)

Bottom Hole Location :

Latitude : Longtitude : X : Y : Section : Survey : Abstract :

Location Type : Summer Only Start Date (Est.) : Completion Date : Date In Operation :

Formation Data : Assume KB = 7255 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	497	6758				Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
* Nacimiento	1600'					
OJAM	3373	3882				Possible water flows
KRLD/FRLD	3611	3644				
PCCF	3890	3365		325	130	Gas
LEWS	4055	3200				
HURF	4357	2898				
CHRA	4836	2419				
CLFH	5555	1700				Gas; possibly wet
MENF	5667	1588				Gas: possibly wet
PTLK	6032	1223		575	165	Gas
MNCS	6522	733				
UPPER GLLP	7161	94				
MID GLLP	7390	-135				
TOCT	7611	-356				Possible Extreme Loss of Circulaton
SNST	7699	-444				
GRHN	8002	-747				Possi highly fractured

PROJECT PROPOSAL - New Drill / Sidetrack

GRRS	8062	-807				
TWLS	8086	-831		750	200	Gas
PAGU	8198	-943				Gas
CBBO	8225	-970				Gas
Total Depth	8412	-1157				

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.

Logging Program :

Intermediate Logs : Log only if show [ ] GR / ILD [ ] Triple Combo

TD Logs : [ ] Triple Combo [ ] Dipmeter [ ] RFT [ ] Sonic [ ] VSP [x] 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.

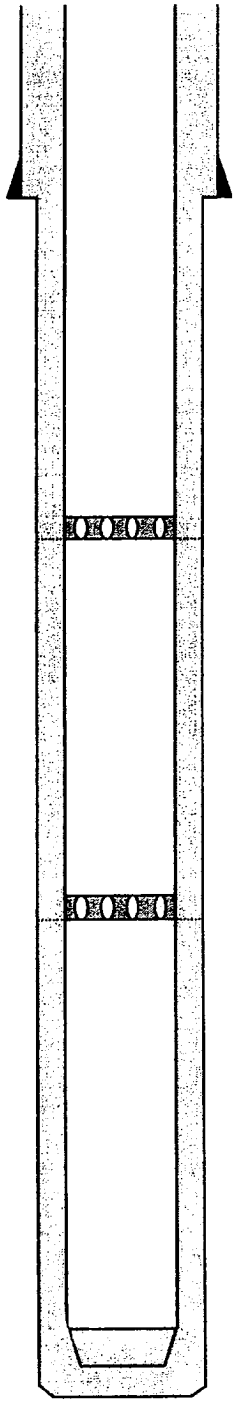
Cased hole TDT with GR to surface.

Comments : Location relatively firm near road. Need to stay as far N & W as possible. Location (1980 FS & E) & Elev (7245) are initial as of 6-11-01.

HALLIBURTON

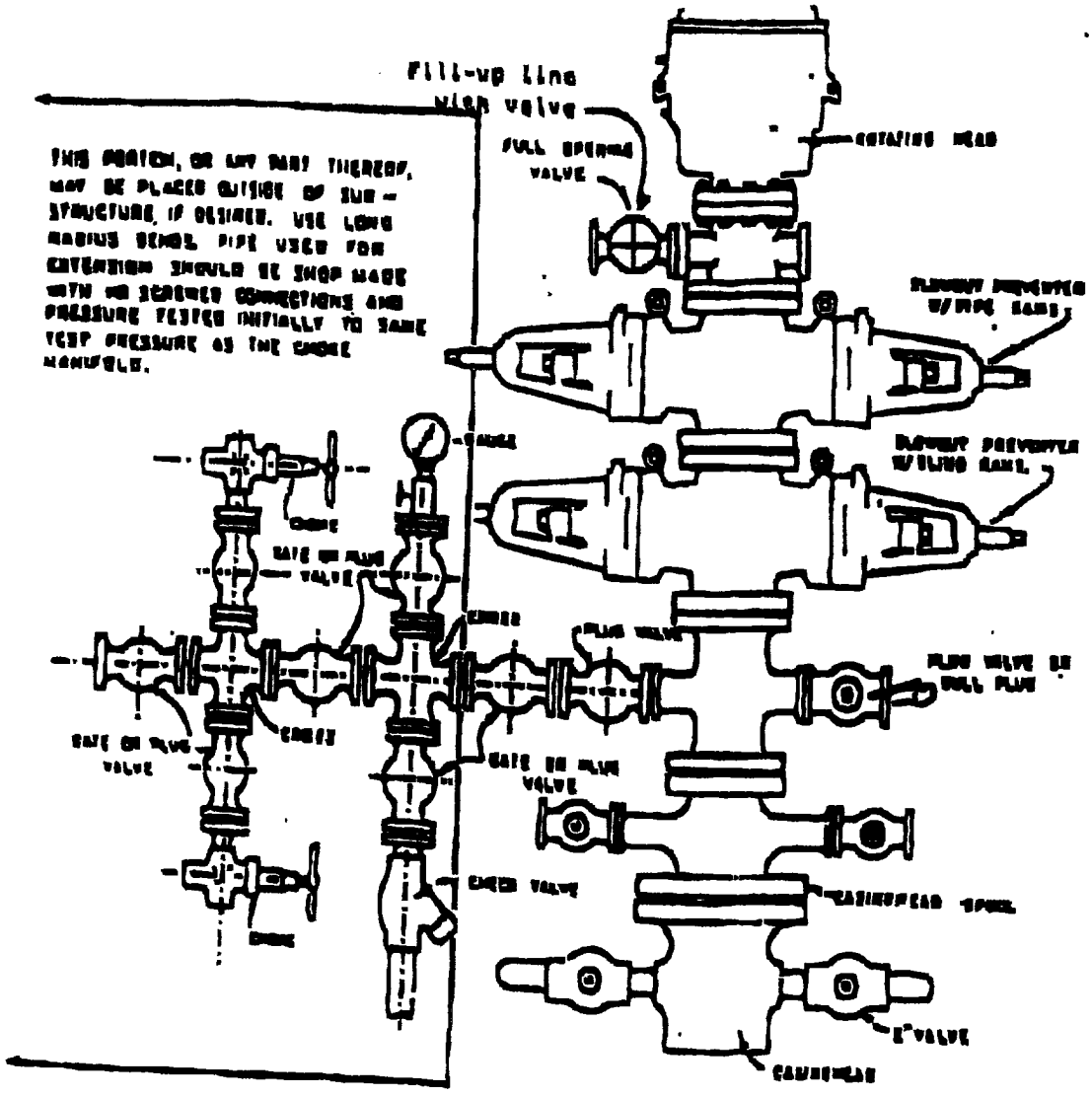
Conoco Inc. - San Juan Operations

Cementing Summary **Jicarilla A 22C**



	Depth	OH Excess					
9-5/8" Sfc. Casing *12-1/4" Hole*	0		Class 'H' Cement	312	sx	Slurry Volume	330.6 cu ft
			Flocele (if req'd)	0.25	lb/sk		58.9 bbl
			CaCl2	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	500	100%					
			Cement Blend	988	sx		
			Class 'H' Cement	84	lb/sk	Slurry Volume	2795.5 cu ft
			San Juan Poz		lb/sk		497.9 bbl
			Econolite	3.00%	bwob	Slurry Density	11.4 ppg
			CaCl2		bwob	Slurry Yield	2.83 cu ft/sk
			CFR-3		bwob	Mix Fluid	17.29 gal/sk
			HR-5	0.10%	bwob		
			Silicalite-blended	10	lb/sk		
			Flocele	0.5	lb/sk		
			Defoamer (if req'd)	0.05	gal/bbl		
DV Tool #2 Stage #3	5,400	75%					
			Cement Blend	752	sx		
			Class 'H' Cement	47	lb/sk	Slurry Volume	1277.7 cu ft
			San Juan Poz	24	lb/sk		227.6 bbl
			Bentonite	3.00%	bwob	Slurry Density	12.8 ppg
			Halad-344	0.40%	bwob	Slurry Yield	1.70 cu ft/sk
			CFR-3	0.20%	bwob	Mix Fluid	8.26 gal/sk
			HR-5	0.20%	bwob		
			Silicalite-blended	20	lb/sk		
			Flocele	0.25	lb/sk		
			Defoamer (if req'd)	0.05	gal/bbl		
DV Tool #1 Stage #2	7,900	60%					
			Cement Blend	182	sx		
			Class 'H' Cement	47	lb/sk	Slurry Volume	309.7 cu ft
			San Juan Poz	24	lb/sk		55.2 bbl
			Bentonite	3.00%	bwob	Slurry Density	12.8 ppg
			Halad-344	0.40%	bwob	Slurry Yield	1.70 cu ft/sk
			CFR-3	0.20%	bwob	Mix Fluid	8.26 gal/sk
			HR-5	0.25%	bwob		
			Silicalite-blended	20	lb/sk		
			Flocele	0.25	lb/sk		
			Defoamer (if req'd)	0.05	gal/bbl		
4-1/2" Csg Sh Stage #1 *8-3/4" Hole*	8,415	60%					

Note: Conoco to verify casing & hole sizes, DV depths, etc.



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 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 2000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 3000 psi. The 2000 psi system allows deletion 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.