

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.  
CONTRACT 105

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.  
18018

8. Lease Name and Well No.  
JICARILLA A 15B

9. API Well No.  
30-039-26912

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

11. Sec., T., R., M., or Blk. and Survey or Area  
A Sec 14 T26N R4W Mer NMP

12. County or Parish  
RIO ARRIBA

13. State  
NM

17. Spacing Unit dedicated to this well  
320.00 E/P

20. BLM/BIA Bond No. on file  
BIA

23. Estimated duration  
7-10 yrs

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: VICKI WESTBY  
E-Mail: Vicki.R.Westby@conoco.com

3a. Address  
10 DESTA DR., ROOM 608W  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 915.686.5799 Ext: 5799

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

At surface NENE 660FNL 660FEL

At proposed prod. zone

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

~ 15.5 miles NW Lindero

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

660

16. No. of Acres in Lease

2560 m.c.

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

~ 1000

19. Proposed Depth

8036 MD

21. Elevations (Show whether DF, KB, RT, GL, etc.)  
6838 GL

22. Approximate date work will start

2002

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)

Name (Printed/Typed)

Date  
1/24/02

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 #9026 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 ()

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 <b>30-039-26912</b>		*Pool Code 72319 / 71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code <b>18018</b>	*Property Name JICARILLA A		*Well Number 15B
*OCRID No 005073	*Operator Name CONOCO, INC.		*Elevation 6838

<sup>10</sup> Surface Location

UA or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	26N	4W		660	NORTH	660	EAST	RIO ARriba

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

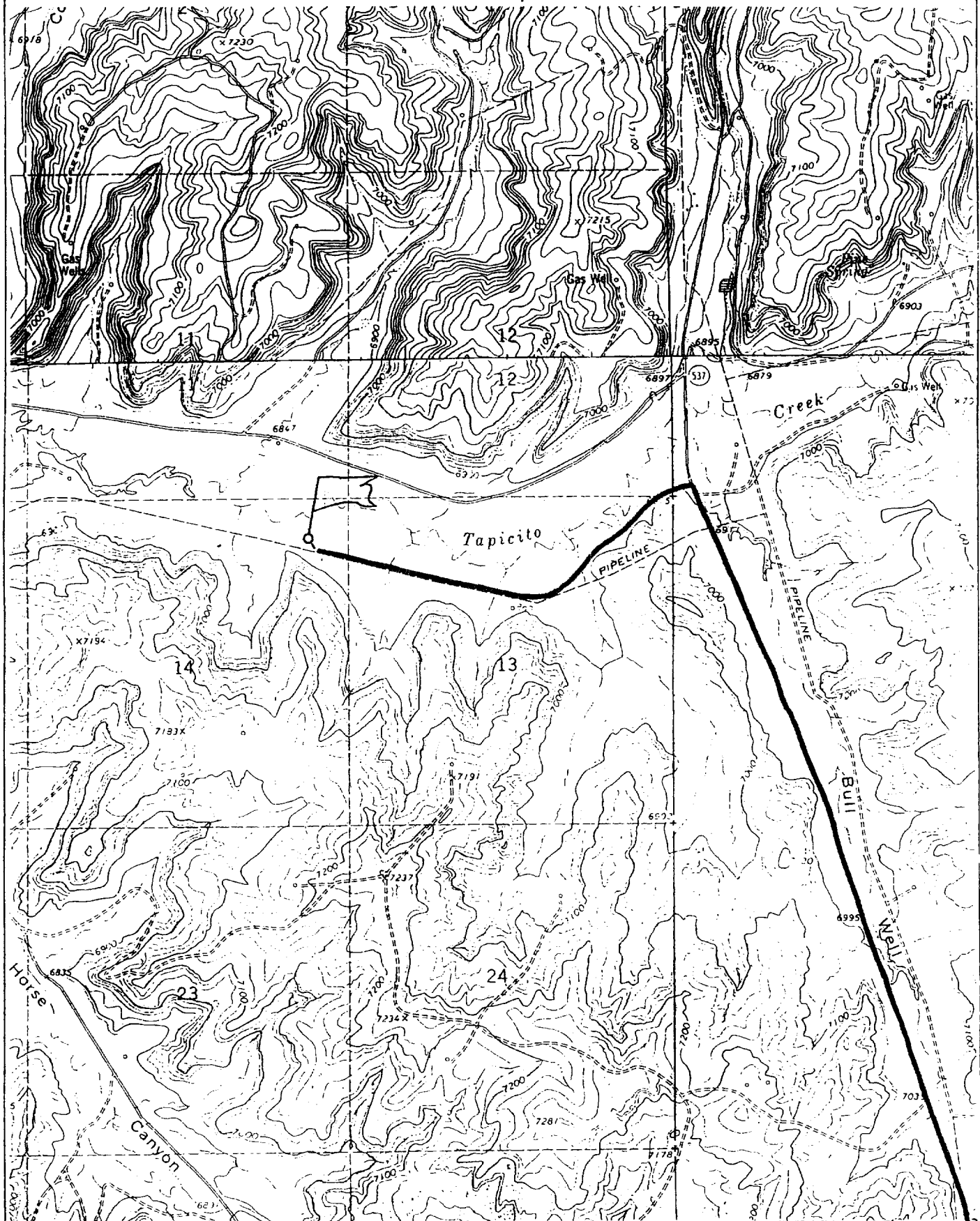
UA or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320.0 Acres - (E/2)					<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No

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

<div><p>16</p><p>5290.56'</p><p>14</p><p>5297.82'</p><p>5280.00'</p><p>5280.00'</p></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 Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title <i>November 13, 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>Date of Survey: JULY 30, 2001</p> <p>Signature and Seal of Professional Surveyor</p> <div><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>

CONOCO, INC. JICARILLA A #15B

660' FNL & 660' FEL, SECTION 14, T26N, R4W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO



# PROJECT PROPOSAL - New Drill / Sidetrack



Well : JICARILLA A 15B      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)

*Prod Drill*

## Surface Location:

Latitude : 36.491989      Longitude : -107.2138      X :      Y :      Section : 14      Survey : 26N      Abstract : 4W  
 Footage X : 660 FEL      Footage Y : 660 FNL      Elevation: 6838 (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 = 6851      Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	478	6373	<input type="checkbox"/>			Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
<i>Naceminto</i> * 1930'	3004	3847	<input type="checkbox"/>			Possible water flows
OJAM	3242	3609	<input type="checkbox"/>			
KRLD/FRLD	3521	3330	<input type="checkbox"/>	325	125	Gas
PCCF	3686	3165	<input type="checkbox"/>			
LEWS	3988	2863	<input type="checkbox"/>			
HURF	4481	2370	<input type="checkbox"/>			
CHRA	5200	1651	<input type="checkbox"/>			Gas; possibly wet
CLFH	5312	1539	<input type="checkbox"/>			Gas; possibly wet
MENF	5677	1174	<input type="checkbox"/>	575	160	Gas
PTLK	6167	684	<input type="checkbox"/>			
MNCS	6785	66	<input type="checkbox"/>			
UPPER GLLP	7014	-163	<input type="checkbox"/>			
MID GLLP	7235	-384	<input type="checkbox"/>			Possible Extreme Loss of Circulation; Gas
TOCT	7323	-472	<input type="checkbox"/>			
SNST	7626	-775	<input type="checkbox"/>			Poss highly fractured
GRHN						

# PROJECT PROPOSAL - New Drill / Sidetrack



GRRS	7686	-835	<input type="checkbox"/>			
TWLS	7710	-859	<input type="checkbox"/>	750	105	Gas
PAGU	7822	-971	<input type="checkbox"/>			Gas
CBBO	7849	-998	<input type="checkbox"/>			Gas
Total Depth	8036	-1185	<input type="checkbox"/>			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 ☒ TDT

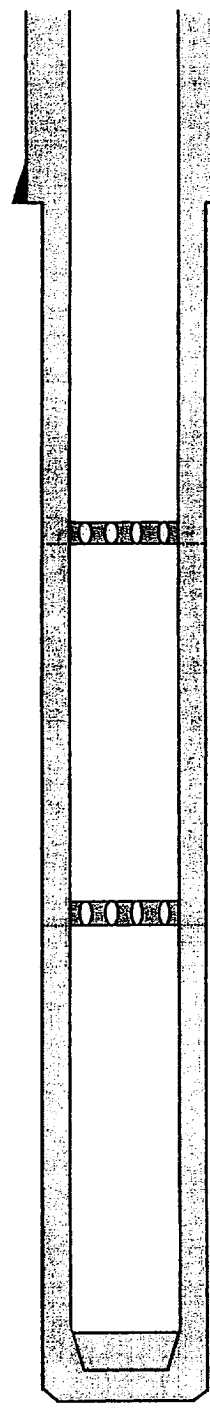
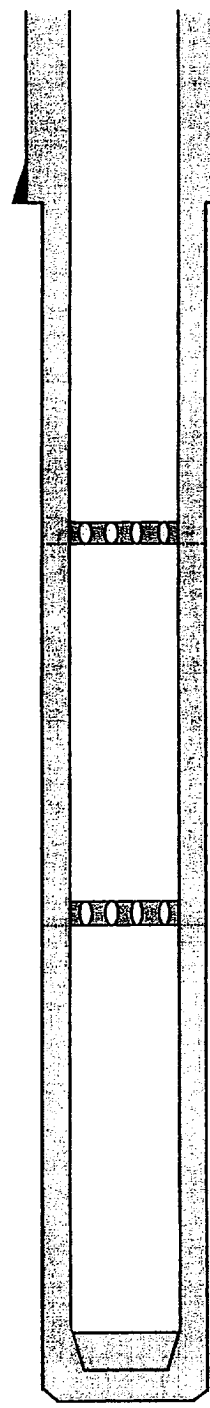
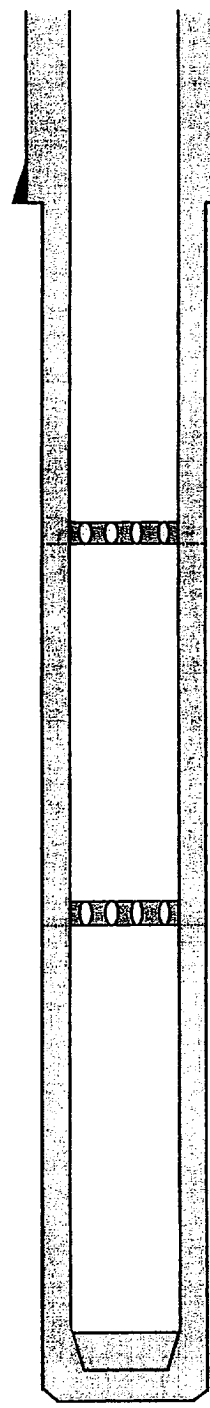
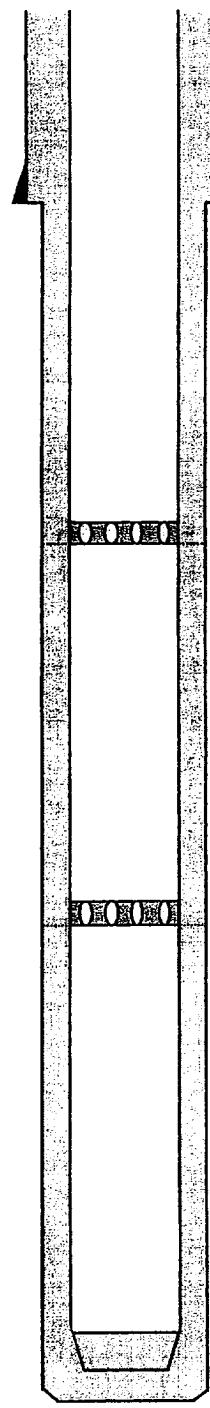
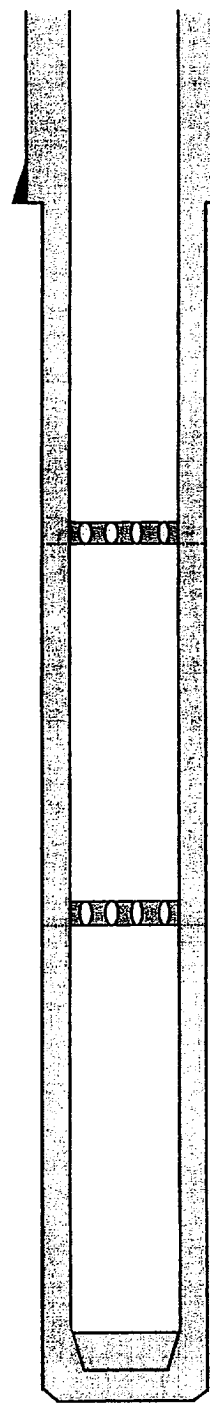
Additional Information : Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.

Cased hole TDT with GR to surface.

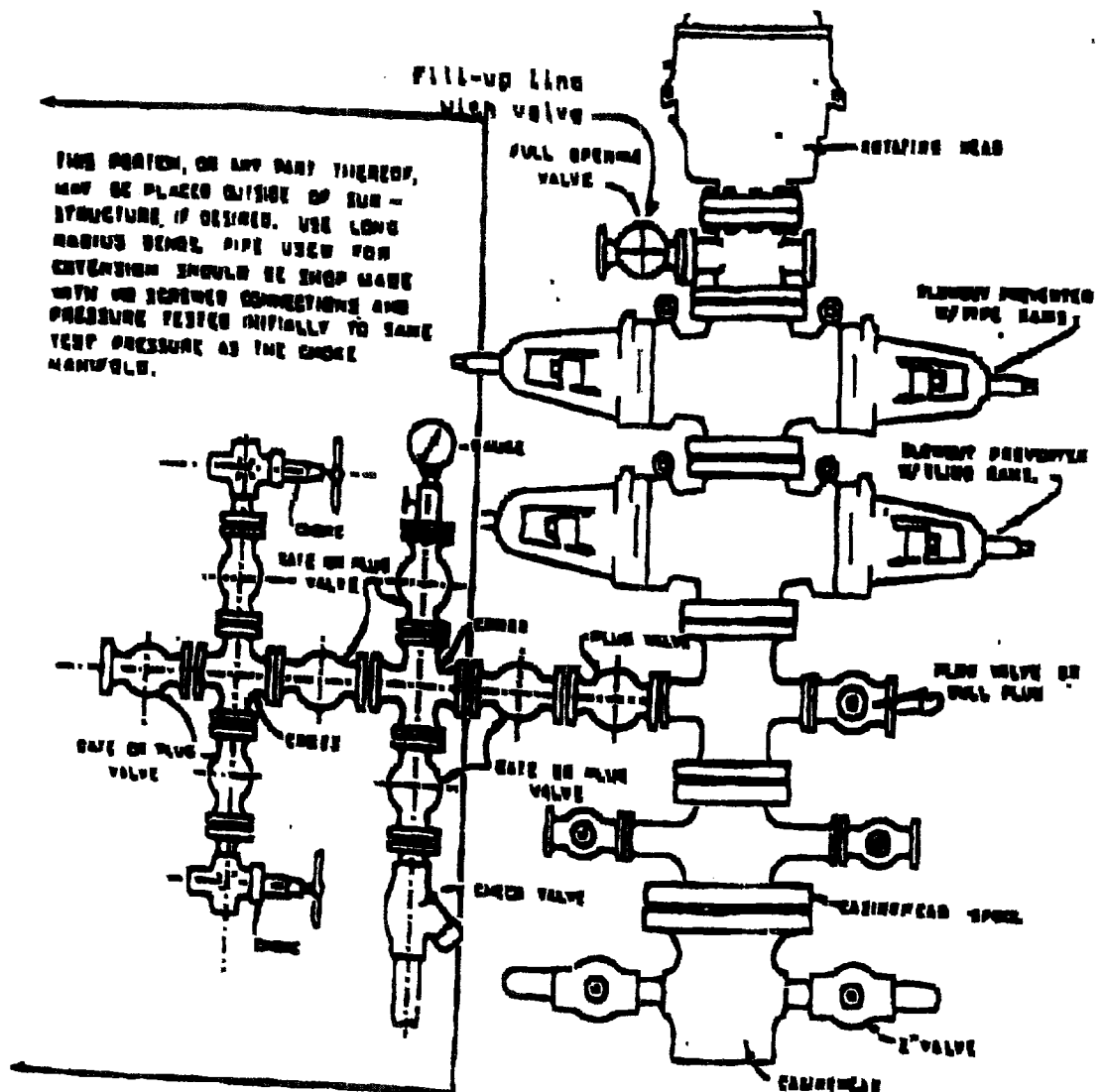
Comments : Location is near a previous disturbance (major pipeline). Location (660 FN & E) & GL (6860) are initial as of 6-11-01

## Cementing Summary

Jicarilla A 15B

		OH									
		Depth	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	926 sx	Slurry Volume	2619.2 cu ft				
				Class 'H' Cement	84 lb/sk		466.5 bbl				
				San Juan Poz	lb/sk	Slurry Density	11.4 ppg				
				Econolite	3.00% bwob	Slurry Yield	2.83 cu ft/sk				
				CaCl2	bwob	Mix Fluid	17.29 gal/sk				
				CFR-3	bwob						
				HR-5	0.05% bwob						
				Silicalite-blended	10 lb/sk						
				Flocele	0.5 lb/sk						
				Defoamer (if req'd)	0.05 gal/bbl						
	DV Tool #2 Stage #3	5,072	75%	Cement Blend	745 sx	Slurry Volume	1266.9 cu ft				
				Class 'H' Cement	47 lb/sk		225.6 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	0.15% bwob						
				Silicalite-blended	20 lb/sk						
				Flocele	0.25 lb/sk						
				Defoamer (if req'd)	0.05 gal/bbl						
	DV Tool #1 Stage #2	7,550	60%	Cement Blend	180 sx	Slurry Volume	306.3 cu ft				
				Class 'H' Cement	47 lb/sk		54.6 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	0.20% bwob						
				Silicalite-blended	20 lb/sk						
				Flocele	0.25 lb/sk						
				Defoamer (if req'd)	0.05 gal/bbl						
	4-1/2" Csg St Stage #1 8-3/4" Hole	8,058	60%								

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



### 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 3000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 3000 psi. The 3000 psi system allows deletion of the annular preventer and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 3000 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.