

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



## ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

## Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

## [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply[A] ☐ Working, Royalty or Overriding Royalty Interest Owners[B] ☐ Offset Operators, Leaseholders or Surface Owner[C] ☐ Application is One Which Requires Published Legal Notice[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,[F] ☐ Waivers are Attached

## [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Clint Hutchinson  
 Print or Type Name

Clint Hutchinson  
 Signature

Reservoir Engr.  
 Title

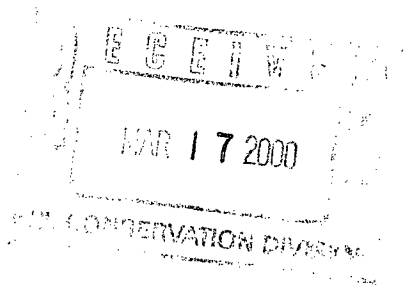
3/16/00  
 Date



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

DHC 4/6/00



March 16, 2000 2703

New Mexico Oil & Gas Conservation Div.  
2040 South Pacheco  
Santa Fe, NM 87505-6429

Downhole Commingling Allocation Method  
on the San Juan 30-5 Unit # 83M

Dear Sirs:

Phillips is proposing to utilize the subtraction method on the subject well for approximately six months after actual commingling occurs. After the six month period we will convert to the ratio method as indicated in our commingling application. We believe this will be a more accurate method of allocating production considering that the Dakota interval has been producing for several months and that the production will not be stabilized on the Mesaverde for several months.

**Dakota Production Forecast**

March 2000	6,139	April 2000	5,885
May 2000	6,024	June 2000	5,774
July 2000	5,911	August 2000	5,855
September 2000	5,613	October 2000	5,746
November 2000	5,509	December 2000	5,640

For example, if the total volume for June 2000 were 15,500 mcf, then the Dakota would be allocated 5,774 mcf and the Mesaverde 9,726 mcf. And subsequently, the Dakota would be allocated  $5,774/15,500$  or 37.25% and Mesaverde would be allocated  $9,726/15,500$  or 62.75%.

Sincerely,  
PHILLIPS PETROLEUM COMPANY

Clint Hutchinson  
Reservoir Engineer

CH/pc

cc: OCD - Aztec  
BLM - Farmington  
NM Commissioner of Public Lands - Santa Fe

## DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

## DISTRICT II

811 South First St., Artesia, NM 88210-2835

## DISTRICT III

1000 Rio Brazos Rd, Artesia, NM 87410-1693

State of New Mexico  
Energy, Minerals and Natural Resources Department

MAR 17 2000

Form C-107-A  
New 3-12-96

## OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

OIL CONSERVATION DIVISION Administrative ☐ Hearing ☐

EXISTING WELLBORE

☒ YES ☐ NO

## APPLICATION FOR DOWNHOLE COMMINGLING

Phillips Petroleum Company 5525 Hwy. 64, Farmington, NM 87401  
Operator Address

San Juan 30-5 Unit #83M C 23, 30N, 5W Rio Arriba  
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 017654 Property Code 009258 API NO. 30-039-26162 Spacing Unit Lease Types: (check 1 or more)  
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	72319 Blanco Mesaverde		71599 Basin Dakota
2. Top and Bottom of Pay Section (Perforations)			
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 1170 (est.) b. (Original) 1294 (est.)	a.  b.	a. 1052 b. 3412 (est.)
6. Oil Gravity (°API) or Gas BTU Content	1030		990
7. Producing or Shut-In?			Producing
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:  estimate 510 mcf/d	Date: Rates:    	Date: Rates:  1/31/00 228 mcf/d
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas: %	Oil: % Gas: %	Oil: % Gas: %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☒ No  
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☒ No  
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☒ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☒ Yes ☐ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No

15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). R-10770

## 16. ATTACHMENTS:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of all offset operators.
- Notification list of working, overriding, and royalty interests for uncommon interest cases.
- Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Clint W. Hutchinson TITLE Reservoir Eng. DATE 3/16/00

TYPE OR PRINT NAME Clint Hutchinson TELEPHONE NO. ( 505 ) 599-3423

District I  
P.O. Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brann Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

RECEIVED  
BLM

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

99 APR -9 AM 10:27 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* AM Number		* Pool Code 71599	* Pool Name Basin Dakota
* Property Code 009258	* Property Name SAN JUAN 30-5		* Well Number 83M
* OGRID No. 017654	* Operator Name PHILLIPS PETROLEUM COMPANY		* Elevation 6551'

10 Surface Location

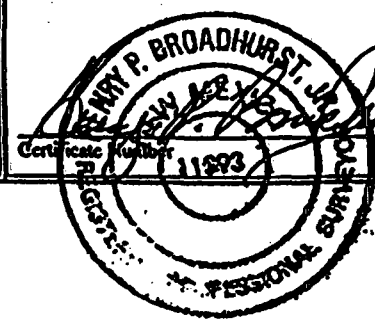
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	23	30N	5W		230'	NORTH	1440'	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C									

* Dedicated Acres	* Joint or Infill	* Consolidation Code	* Order No.
320 W/2	Y	U	NSL - 4249 Dated March 31, 1999

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 1440'		230'	N89°43'E	5278.68'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  <i>Patsy Clugston</i> Signature Patsy Clugston Printed Name Regulatory Assistant Title March 31, 1999 Date	
5280.00'	2	SF-078738 2219.76 acres			5280.00'	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.  03/11/99 Date of Survey Signature and Seal of Professional Surveyor:  
N00°03'E	2	83 DK ( 1480' FSL & 9501 FWL)			N00°03'E	
		SECTION 23				
			N89°50'E	5273.40'		

District I:  
811 Hwy 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 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		* Pool Code 72319	* Pool Name Blanco Mesaverde
* Property Code 009258	* Property Name SAN JUAN 30-5		* Well Number 83M
* OGRID No. 017654	* Operator Name PHILLIPS PETROLEUM COMPANY		* Elevation 6551'

10 Surface Location

UL or lot no. C	Section 23	Township 30N	Range 5W	Lot Idn	Feet from the 230'	North/South line NORTH	Feet from the 1440'	East/West line WEST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL or lot no. C	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
* Dedicated Acres 320 W/2		* Joint or Infill Y	* Consolidation Code U		* 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 1440'		N89°43'E		5278.68'	
5280.00'		SF-078738 2219.76 acres		5280.00'	
SECTION 23					
N00°03'E		#11 (MV) 1840' FSL & 800' FWL		N00°03'E	
		N89°50'E		5273.40'	

17 OPERATOR CERTIFICATION

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

*Patsy Clugston*

Signature  
Patsy Clugston  
Printed Name  
Regulatory Assistant  
Title  
March 31, 1999  
Date

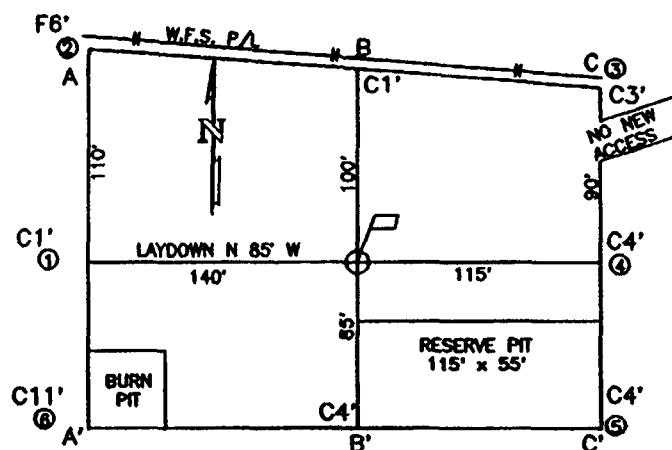
18 SURVEYOR CERTIFICATION

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.

03/11/99  
Date of Survey

Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST, JR.  
NEW MEXICO  
11293  
PROFESSIONAL SURVEYOR



ELEVATION A-A'

C/L

6571				
6561				
6551				
6541				
6531				

B-B'

C/L

6571				
6561				
6551				
6541				
6531				

C-C'

C/L

6571				
6561				
6551				
6541				
6531				

COMPANY: PHILLIPS PETROLEUM COMPANY

LEASE: SAN JUAN 30-5 UNIT No.83M

FOOTAGE: 230' FNL. 1440' FWL UNIT C

SEC. 23 TWN. 30-N RNG. 05-W N.M.P.M.

COUNTY, RIO ARriba STATE, N.M.

ELEVATION: 6551

LATITUDE: 36-48-18

LONGITUDE: 107-19-50



PHILLIPS PETROLEUM COMPANY  
FARMINGTON, NEW MEXICO

SURVEYED: 3/11/99

REV. DATE:

APP. BY H.B.

DRAWN BY: T.O.

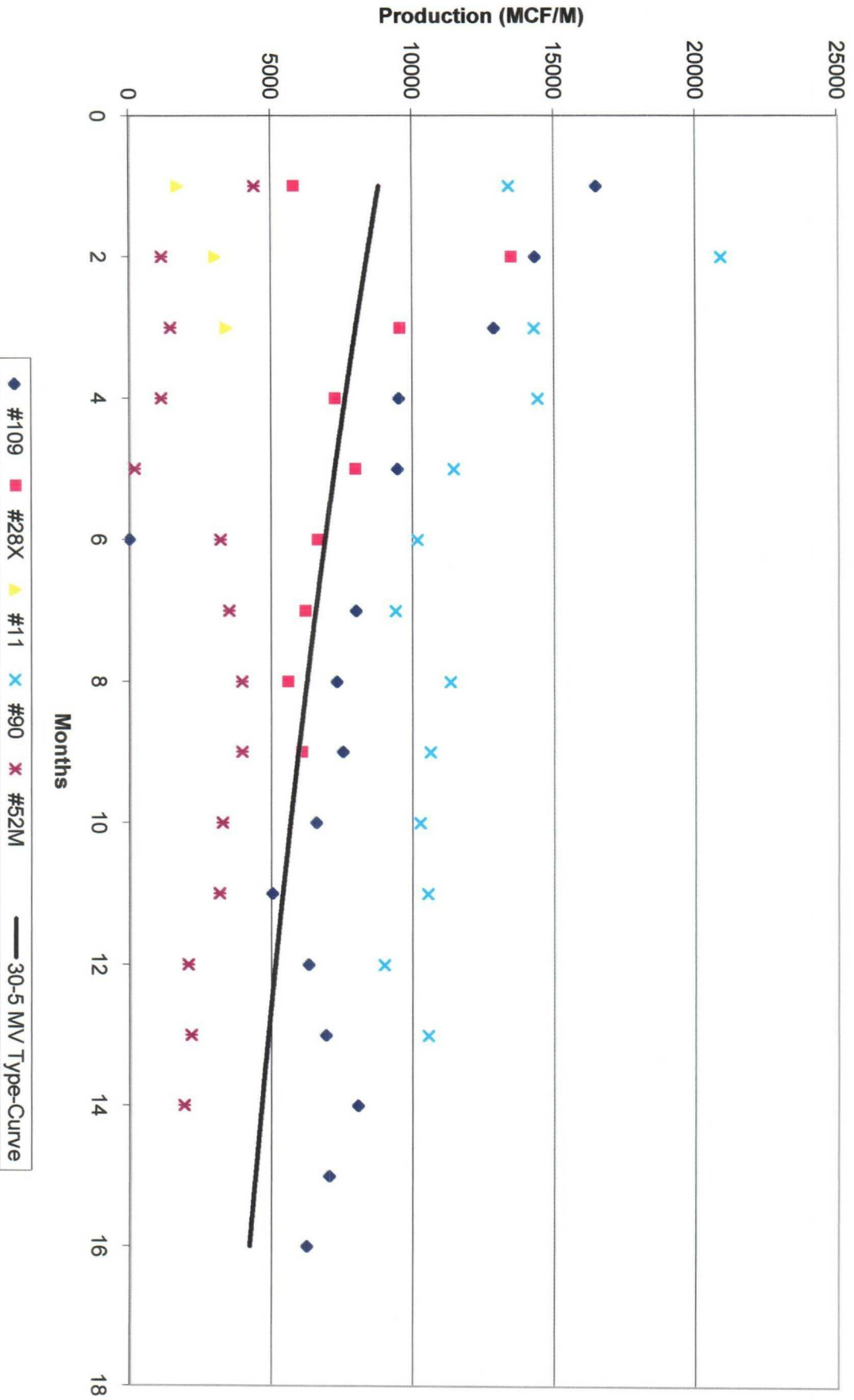
DATE DRAWN: 3/15/99

FILE NAME: PO06101

UNITED  
FIELD SERVICES INC.

P.O. BOX 3651  
FARMINGTON, NM 87499  
OFFICE: (505)334-0408

# 30-5 Unit Mesaverde



Dakota Production Forecast for 30-5 Unit  
Well #83M

Year	Month	Gas (MCF)
Mar-00	1	6139
Apr-00	2	5885
May-00	3	6024
Jun-00	4	5774
Jul-00	5	5911
Aug-00	6	5855
Sep-00	7	5613
Oct-00	8	5746
Nov-00	9	5509
Dec-00	10	5640
Jan-01	11	5588
Feb-01	12	5002
Mar-01	13	5489
Apr-01	14	5263
May-01	15	5389
Jun-01	16	5168
Jul-01	17	5292
Aug-01	18	5244

Initial Rate            199 MCF/D



M2Y67-01

PARPI - WELLZONE PRODUCTION BROWSE

Date: 3/15/00

DAILY AVERAGE BY MONTH

User: #W9R

Wellzone F0643 01 Yr: 1999 Mch: 11 Property: 650402 SAN JUAN 30-5 DAKOTA

Screen: 1 (1-Prod, 2-Inj, 3-Both) Well No: 000083M

Type: D (T-Total, D-Daily Avg) Field: 0422 BASIN

Period: M (M-Monthly, Y-Yearly, C-Cumm) Reserv: 20279 DAKOTA NQ

ADJ	DATE	OIL (BBL)	GAS (MCF)	WATER (BBL)	PROD	OP	ST	CL	TY	WELL
*	1999-11	0.00	367	0	29.00	22	11	03	2	
*	1999-12	0.00	274	1	31.00	31	11	03	2	
	2000-01	0.00	228	0	31.00	31	11	03	2	

PA1=ICE

PF1=Help

PF3=End

PF10=Next Well

PF7=Backward

PF8=Forward

PF11=Prev Well

PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON, NEW MEXICO 87401

DATE: MARCH 2, 2000

WELL NAME: SAN JUAN 30-5 # 83M  
FORMATION: DAKOTA

TYPE TEST: STATIC GRADIENT

COUNTY: RIO ARRIBA  
STATE: NEW MEXICO

TOTAL DEPTH: 8029'  
PERFS: MID PERFS 7925'  
TUBING: 2 3/8" 7945'  
CASING SIZE: 4 1/2" TO 8042'  
PACKER:  
OTHER: 1.81" FN @ 7909'  
PRESSURED UP @ 12:20

CASING PRESSURE: 900  
TUBING PRESSURE: 630  
OIL LEVEL:  
WATER LEVEL: 6543'  
TEMPERATURE:  
ELEMENT NO.  
ELEMENT RANGE 0 TO 3000

WELL STATUS: PLUNGER LIFT SYSTEM

DEPTH IN FEET	PRESSURE PSIG	GRADIENT PSI/FOOT
0	630	
2000	660	0.015
4000	688	0.014
6000	715	0.014
7525	896	0.119
7725	972	0.380
7925	1052	0.400

TD @

H & H WIRELINE SERVICE INC.  
P. O. BOX 899  
FLORA VISTA, NEW MEXICO 87415  
OPERATOR: C. HUGHES  
UNIT NO. T-11

PHILLIPS PETROLEUM: SAN JUAN 30-5 # 83M  
DATE: MARCH 2, 2000

