

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, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**2040 Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96**APPROVAL PROCESS :**☒ Administrative ☐ Hearing**EXISTING WELLBORE**☒ YES ☐ NO**APPLICATION FOR DOWNHOLE COMMINGLING****Burlington Resources Oil & Gas Company****PO Box 4289, Farmington, NM 87499**

Operator _____ Address _____

Sheets **4** **O 28-31-9** **San Juan**

Lease _____ Well No. _____ Unit Ltr. - Sec - Twp - Rge _____ County _____

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7504 API NO. 30-045-24297 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	Pictured Cliffs - 72359		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	3047-3070		7372-7574
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 709 psi (see attachment) (Original) b. 1068 psi (see attachment)	a. b.	a. 773 psi (see attachment) b. 1847 psi (see attachment)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	BTU 1139		BTU 1017
7. Producing or Shut-In?	producing		producing
Production Marginal? (yes or no)	yes		yes
* If Shut-In and oil/gas/water rates of last production	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:

Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data

All distances must be from the outer boundaries of the Section

Operator EL PASO NATURAL GAS COMPANY			Lease SHEETS (SF-080376-A)		Well No. 1100
Unit Letter 0	Section 28	Township 31N	Range 9W	County San Juan	

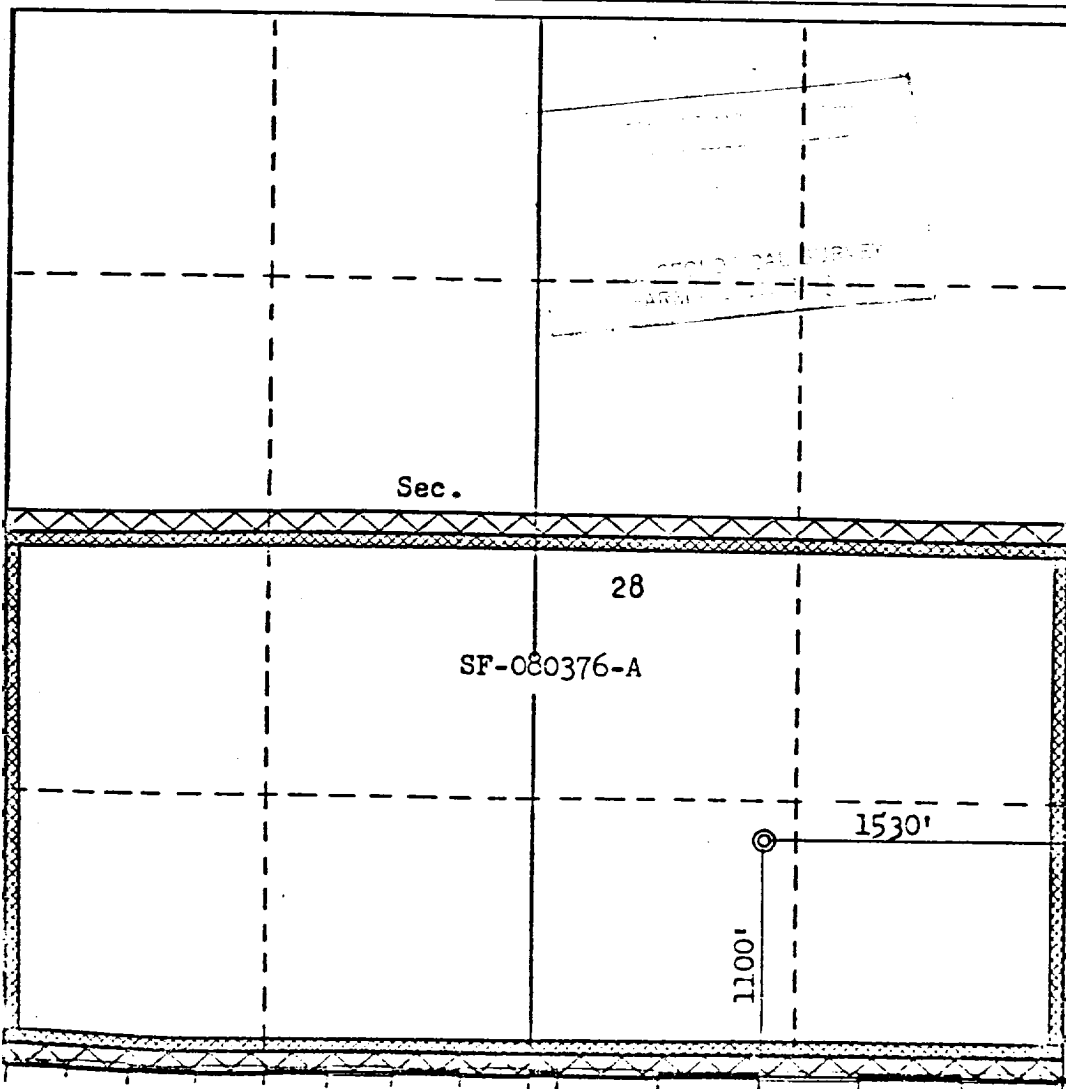
Actual Footage Location of Well: 1100 feet from the South line and 1530 feet from the East line					
Ground Level Elev. 6191	Producing Formation DAKOTA - CLIFFS	PICTURED CLIFFS	Pool BLANCO PICTURED CLIFFS EXT. BASIN DAKOTA	Dedicated Acreage: 159.82 - 318.02 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

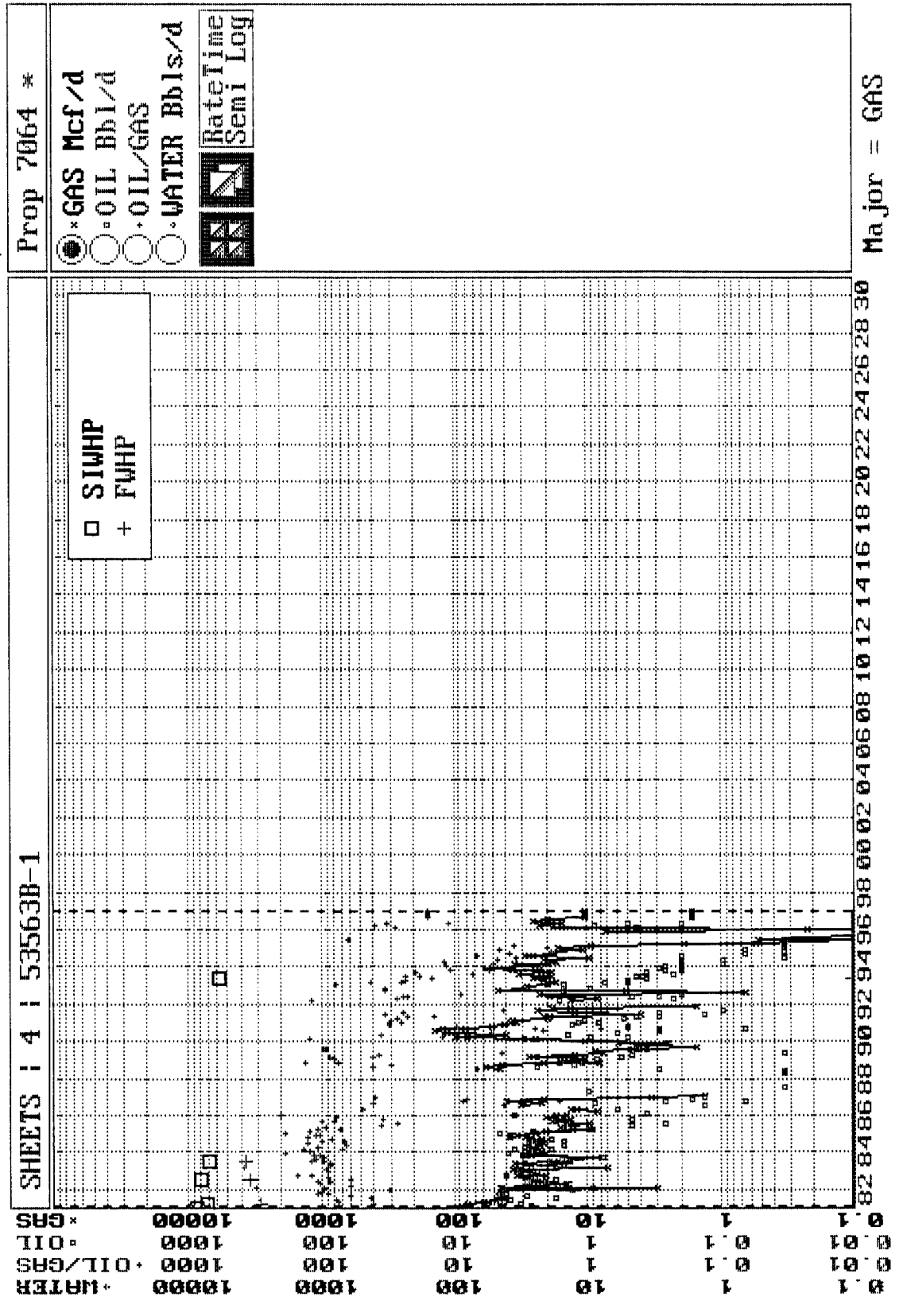
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

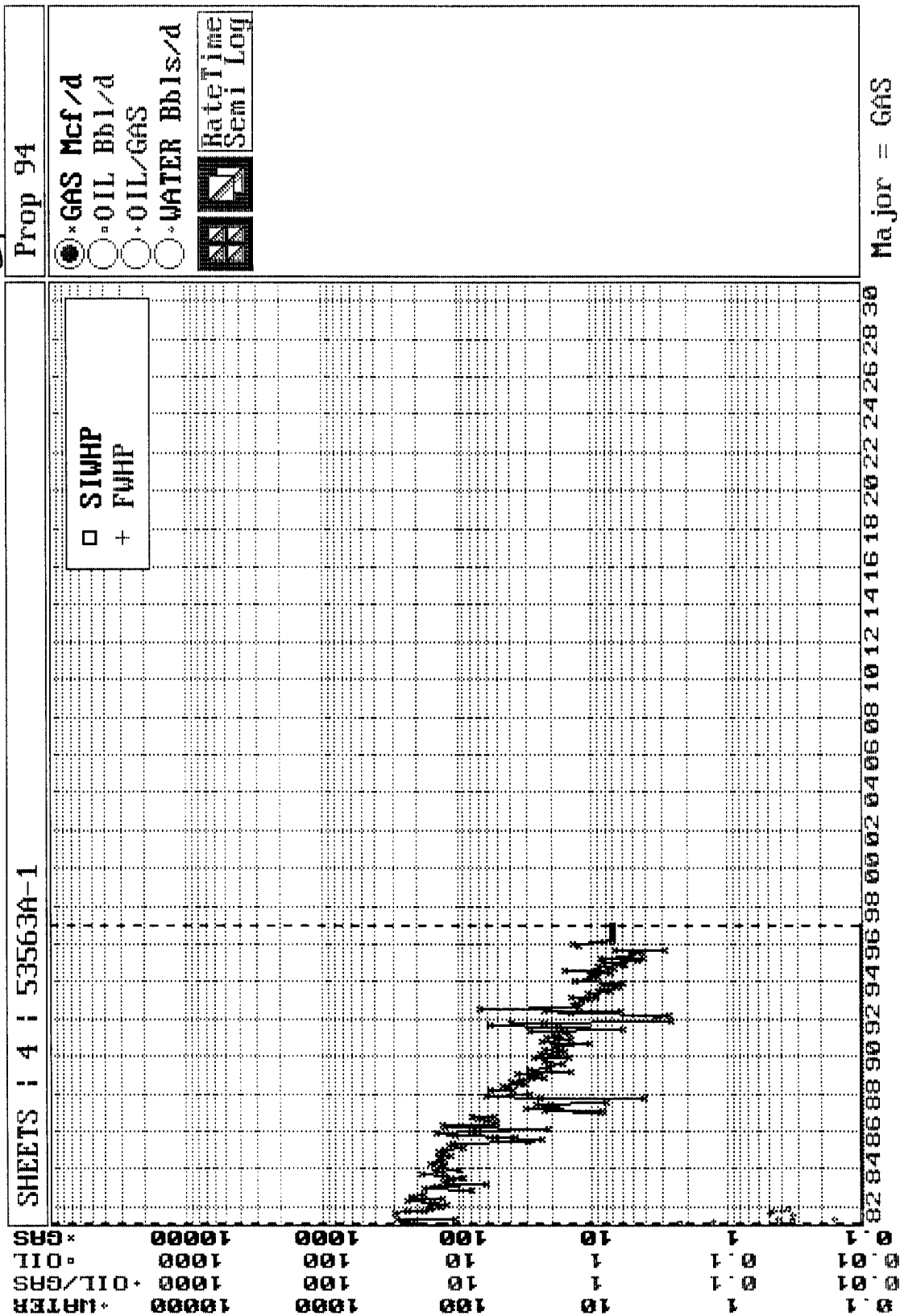


CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>[Signature]</i>
Position	Drilling Clerk
Company	El Paso Natural Gas Co.
Date	March 26, 1980
I hereby certify that the well location shown on this plat was plotted 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 knowledge and belief.	
Date Surveyed	February 12, 1980
Registered Professional Engineer and/or Land Surveyor	
<i>[Signature]</i> Fred B. Kerr Jr.	
Certificate No. _____	

PC



DK

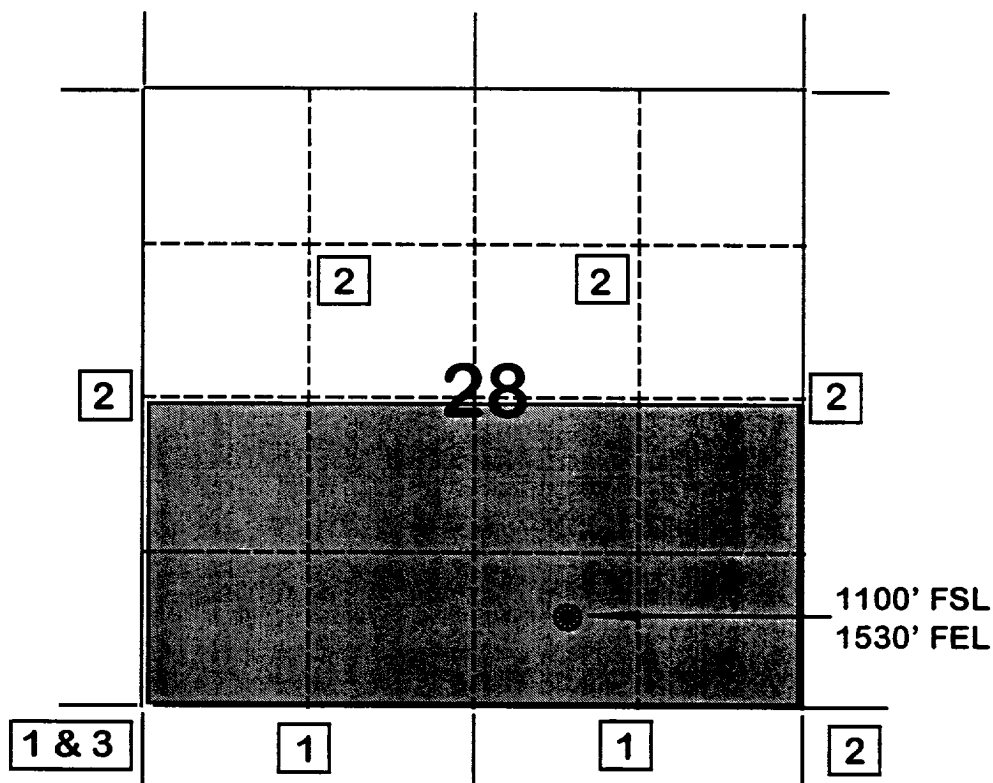


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Sheets #4
OFFSET OPERATOR \ OWNER PLAT**

Pictured Cliffs (SE/4)/Dakota (S/2) Formations Commingle Well

Township 31 North, Range 9 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201
- 3) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.61</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.17</u>
%CO2	<u>3.39</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>7596</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>659</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>773.0</u>

SHEETS #4 DAKOTA - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/54

GAS GRAVITY	0.61
COND. OR MISC. (C/M)	C
%N2	0.17
%CO2	3.39
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	7596
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1554
BOTTOMHOLE PRESSURE (PSIA)	1847.0

SHEETS #4 DAKOTA - (ORIGINAL)

State: 30 Lease Name: SHEETS
 Prod: 2 County Name: SAN JUAN
 Ident: 31N09W28O00DK Reservoir Name: DAKOTA
 District: 4 Operator Name: BURLINGTON RES O&G CO
 Location: 280 31N 9W Field Name: BASIN (DAKOTA)
 Retrieval code: 251,045,31N09W28O00DK Well: 4 Total Depth: 7596
 Gas Gath: MOI Status: ACT Upper Perf: 0
 API No: 2429700 Comp Date: 000000 Lower Perf: 0

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	FAC
19810304	11,547	1554	ORIGINAL	0	0	0	292	257		2	0.000	
19820628	100,949	1006		0	0	0	455	307		2	0.000	
19830713	143,442	756		0	0	0	365	153		2	0.000	
19851209	244,783	804		0	0	0	380	96		2	0.000	
19880331	279,591	659	CURRENT	0	0	0	346	37		2	0.000	
***** Bottom of data *****												

B MY JOB

LU #14

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 10.3/13/94

GAS GRAVITY	0.67
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	1.93
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	7596
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	583
BOTTOMHOLE PRESSURE (PSIA)	708.6

SHEETS #4 PICTURED CLIFFS - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 10.3/13/94

GAS GRAVITY	0.67
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	1.93
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	7596
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	869
BOTTOMHOLE PRESSURE (PSIA)	1067.7

SHEETS #4 PICTURED CLIFFS - (ORIGINAL)

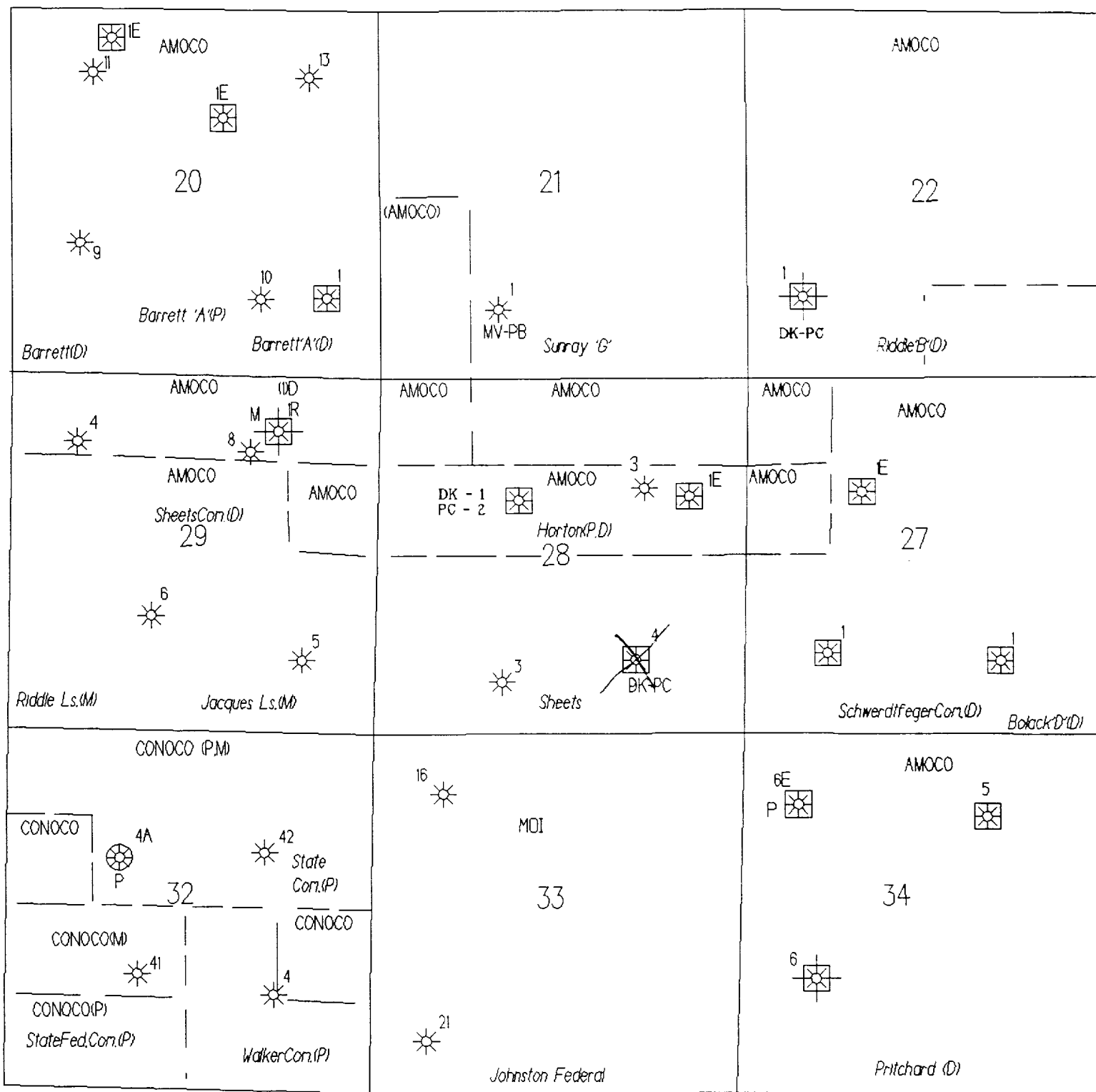
PC

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: SHEETS | 4 | 53563B-1 Property No.: 7064
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/5/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
10/02/80	0	869.0 ORIGINAL
03/04/81	9276	726.0
06/28/82	26372	806.0
07/13/83	34390	709.0
05/19/93	108595	583.0 CURRENT

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

SHEETS #4
SECTION 28, T31N, T09W
DAKOTA/PICTURED CLIFFS



FARMINGTON

1996 MONTHLY PRODUCTION FOR 53563A

PHS030M1

SHEETS

4

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

DAYS			OIL		GAS		GAS		GAS		GAS		GAS	
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	(
1	2	F					01	422	31	999	15.025			
2	2	F					01	249	29	999	15.025			
3	2	F					01	407	31	999	15.025			
4	2	F					01	352	30	999	15.025			
5	2	F					01	545	31	999	15.025			
6	2	F					01	653	30	999	15.025			
7	2	F					01	379	28	999	15.025			
8	2	F					01	392	31	995	15.025			
9	2	F					01	616	30	995	15.025			
10	2	F					01	933	31	995	15.025			
11	2	F					01	784	30	995	15.025			
12	2	F					01	314	31	995	15.025			

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0

PRS 02/05/97

B MY JOB

NUM LU #27

FARMINGTON

1996 MONTHLY PRODUCTION FOR 53563B

PHS030M1

SHEETS

4

BLANCO PICTURED CLIFFS (GAS) FIELD

PICTURED CLIFFS ZONE

DAYS			OIL		GAS		GAS		GAS		GAS		GAS	
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	(
1	2	F	31	02			01	3	31		15.025			
2	2	F	29	02	13		01	472	29	1119	15.025			
3	2	F	31	02	27		01	697	31	1119	15.025			
4	2	F	30	02	15		01	477	30	1119	15.025			
5	2	F	31	02	6		01	555	31	1119	15.025			
6	2	F	30	02			01	763	30	1119	15.025			
7	2	F	26	02			01	606	26	1119	15.025			
8	2	F	31	02			01	584	31	1108	15.025			
9	2	F	30	02			01	1257	30	1108	15.025			
10	2	F	31	02			01	29	31	1106	15.025			
11	2	F	23	02			01	104	23	1106	15.025			
12	2	F	31	02			01	198	31	1106	15.025			

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0

PRS 02/05/97

B MY JOB

NUM LU #27