

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

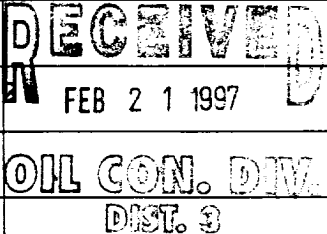
State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**2040 S. Pacheco
Santa Fe, New Mexico 87505-6429**APPLICATION FOR DOWNHOLE COMMINGLING**Form C-107-A
New 3-12-96**APPROVAL PROCESS :**☒ Administrative ☐ Hearing**EXISTING WELLBORE**☒ YES ☐ NO**Burlington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

PO Box 4289, Farmington, NM 87499

Operator	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Sunray A	1	A 15-30-10	San Juan

Lease _____ Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7561 API NO. 30-045-09540 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	Blanco Pictured Cliffs - 72359		Blanco Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	3174-3203'		5412-5526'
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. 333 psi (see attachment) (Original) b. 1140 psi (see attachment)	a. b.	a. 404 psi (see attachment) b. 1156 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1173		BTU 1210
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

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date MAY 5, 1960

Operator EL PASO NATURAL GAS COMPANY Lease SUNRAY SF 078125
 Well No. 1-A(PH) Unit Letter A Section 15 Township 30-N Range 10-W NMPM
 Located 992 Feet From NORTH Line, 998 Feet From EAST Line
 County SAN JUAN G. L. Elevation 6531 Dedicated Acreage 160 & 320 Acres
 Name of Producing Formation PICTURED CLIFFS AND MESA VERDE Pool WILDCAT PC, BLANCO MV

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☒ No ☐
 2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation.

3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company

(Operator)

ORIGINAL SIGNED J.J. TILLERSON

Box 997

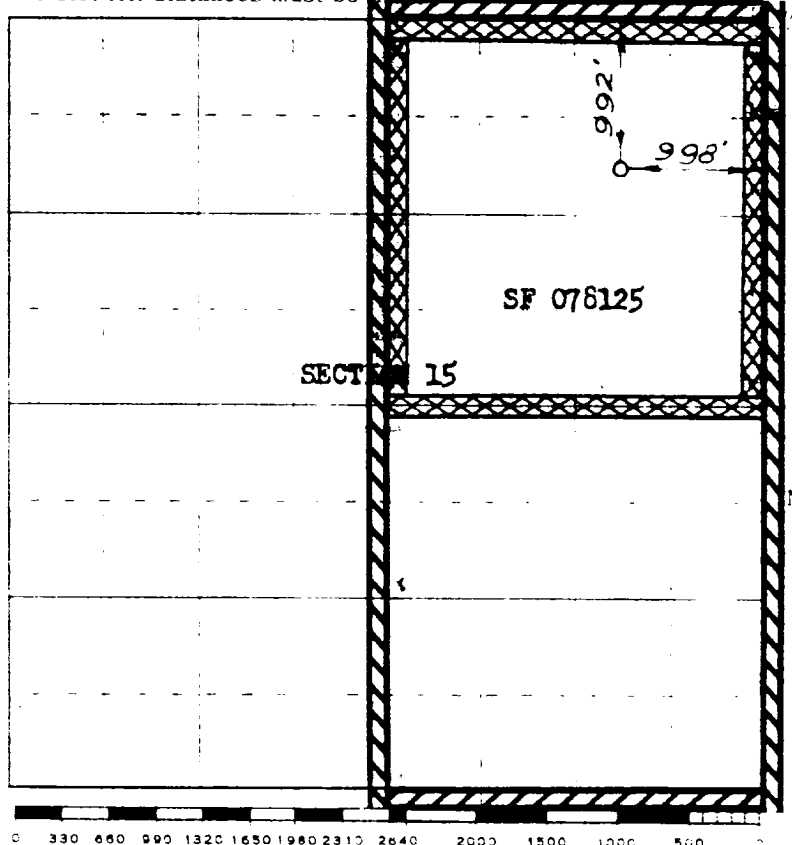
(Representative)

Farmington, New Mexico

(Address)

NOTE: THIS PLAT IS RE-ISSUED TO SHOW
 CORRECTED LOCATION. 5 17 60

Note: All distances must be from corner to corner.



Scale 4 inches equal 1 mile

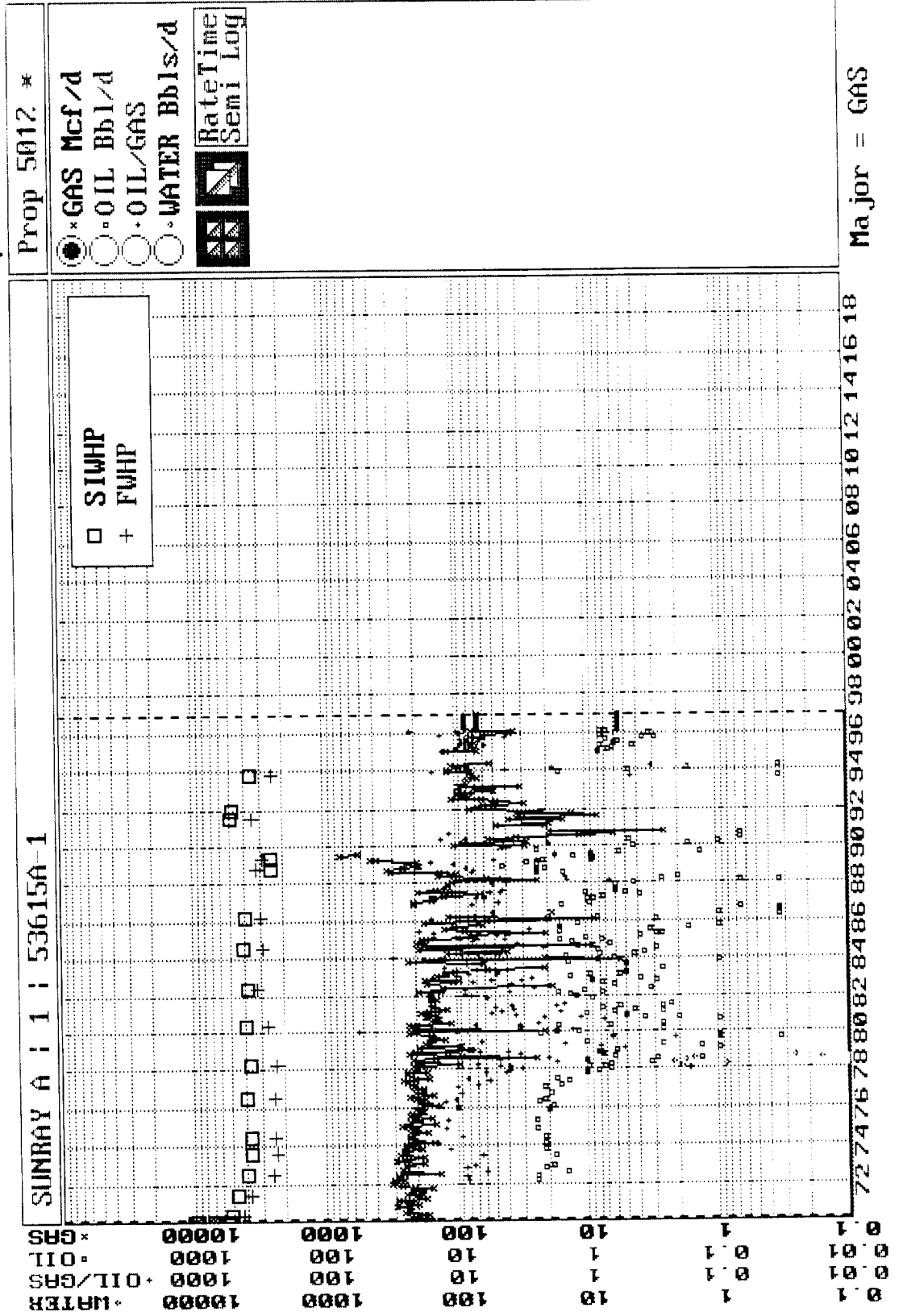
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed FEBRUARY 13, 1953

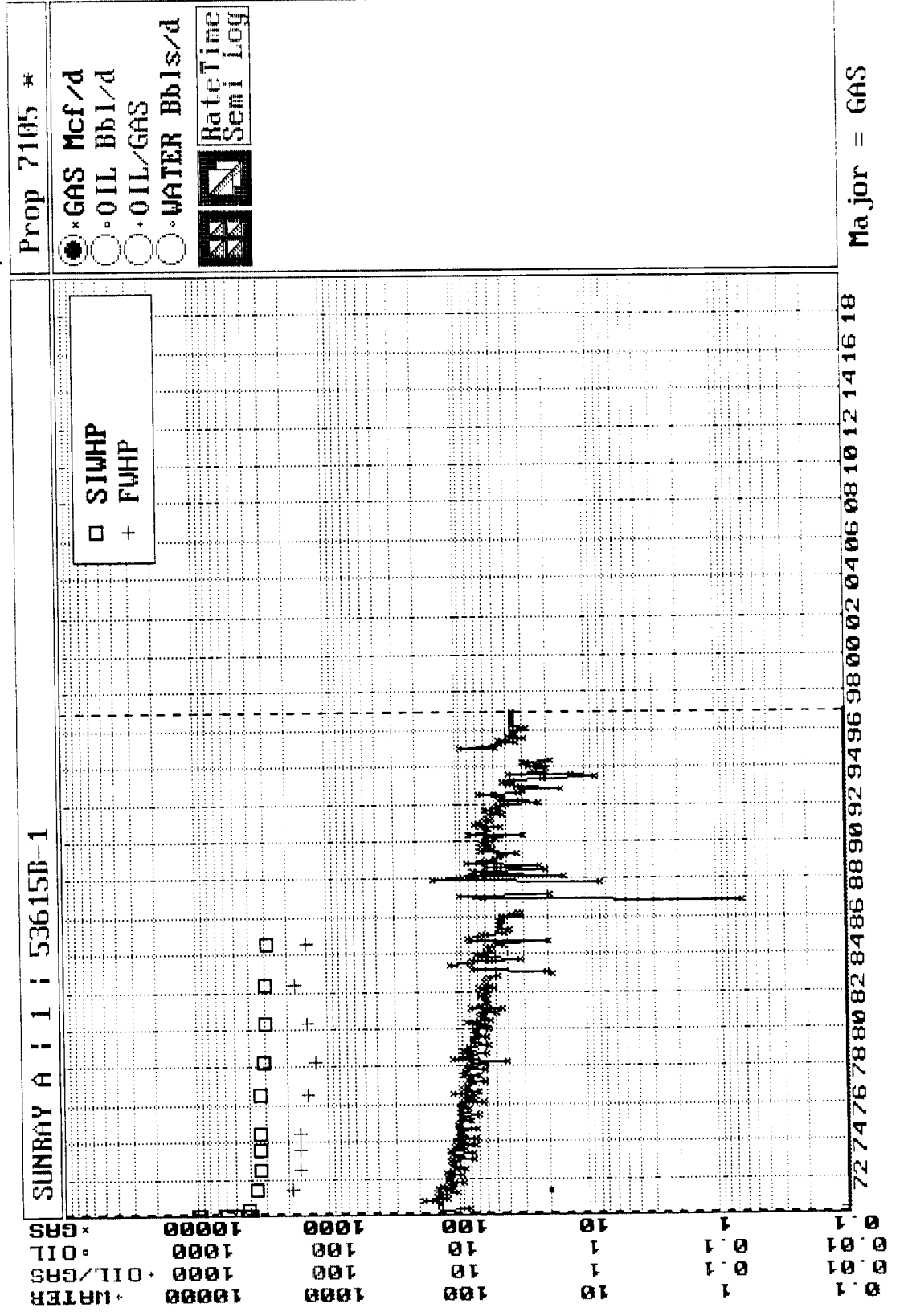
(Seal)



MV



PC

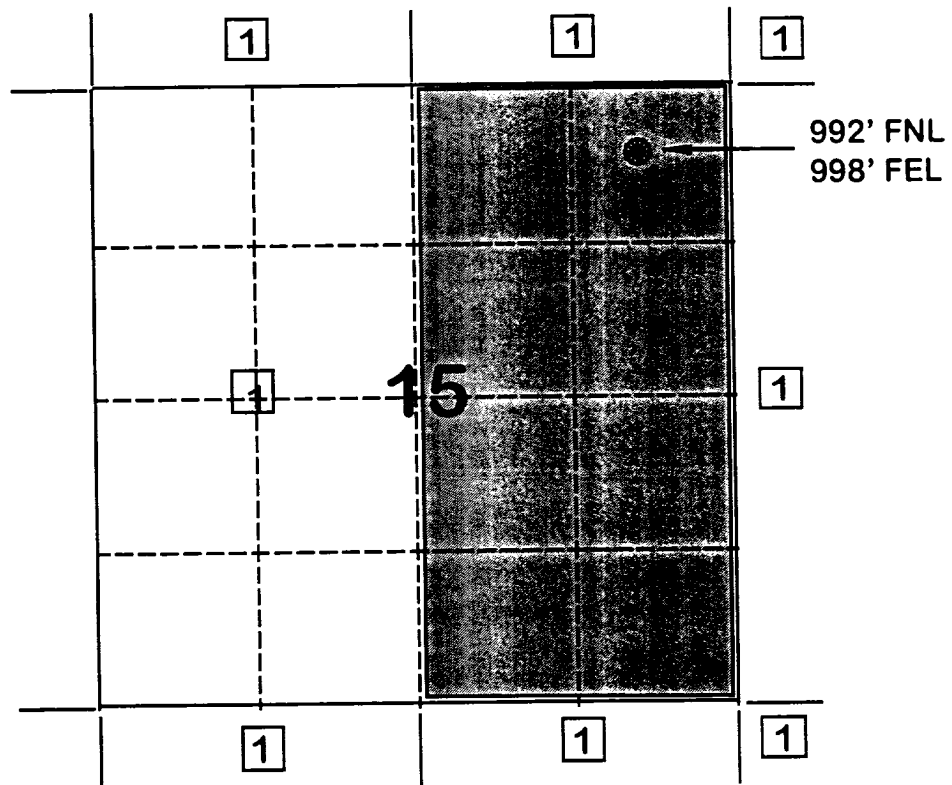


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Sunray A #1
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde (E/2)/Pictured Cliffs (NE/4) Formations Commingle Well

Township 30 North, Range 10 West



1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.

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

VERSION 10.3/13/94

GAS GRAVITY	<u>0.7</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.37</u>
%CO2	<u>0.79</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5580</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>352</u>
BOTTOMHOLE PRESSURE (PSIA)	404.1

SUNRAY A #1 MESAVERDE - (CURRENT)

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

VERSION 10/3/13/54

GAS GRAVITY	<u>0.7</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.37</u>
%CO2	<u>0.79</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5580</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>990</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1155.6</u>

SUNRAY A #1 MESAVERDE - (ORIGINAL)

MV

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: SUNRAY A | 1 | 53615A-1 Property No.: 5012
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/36/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
04/15/53	0	990.0
05/15/53	0	991.0
07/20/53	4000	1034.0
04/15/54	22000	960.0
04/15/55	54000	986.0
06/15/56	92000	1044.0
08/07/57	123000	1027.0
05/06/58	144000	1022.0
04/14/59	170000	1012.0
04/14/60	200000	1027.0
11/06/60	236000	717.0
04/13/61	304000	673.0
07/04/62	429000	616.0
05/21/63	516000	606.0
05/15/64	581000	622.0

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

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: SUNRAY A | 1 | 53615A-1 Property No.: 5012
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 36/36/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
05/27/71	1144471	464.0
06/14/72	1245623	389.0
08/20/73	1347662	368.0
06/13/74	1415152	374.0
06/29/76	1560190	396.0
04/24/78	1695353	371.0
05/07/80	1816775	397.0
05/10/82	1925919	381.0
07/17/84	1994054	406.0
04/01/86	2050749	392.0
10/08/88	2157299	253.0
05/07/89	2206952	248.0
07/12/91	2265453	499.0
12/16/91	2270142	487.0
10/20/93	2317340	352.0

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

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

VERSION 10.3/13/94

GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.16
%CO2	0.56
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	5580
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	291
BOTTOMHOLE PRESSURE (PSIA)	332.6

SUNRAY A #1 PICTURED CLIFFS - (CURRENT)

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

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.66</u>
COND. OR MISC. (C/M)	<u>C</u>
%N ₂	<u>0.16</u>
%CO ₂	<u>0.56</u>
%H ₂ S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5580</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>110</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>980</u>
BOTTOMHOLE PRESSURE (PSIA)	1140.4

SUNRAY A #1 PICTURED CLIFFS - (ORIGINAL)

PC

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: SUNRAY A | 1 | 53615B-1 Property No.: 7105
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/21/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
07/14/60	0	980.0
08/29/60	0	969.0
04/13/61	46000	632.0
07/04/62	85000	603.0
05/21/63	123000	525.0
05/15/64	157000	524.0
05/18/65	206000	488.0
04/19/66	241000	423.0
05/16/67	283000	419.0
04/24/68	314000	413.0
04/11/69	352994	393.0
04/22/70	383148	416.0
05/27/71	429339	349.0
06/14/72	475301	329.0
08/20/73	518750	326.0

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

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: SUNRAY A | 1 | 53615B-1 Property No.: 7105
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 21/21/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
05/18/65	206000	488.0
04/19/66	241000	423.0
05/16/67	283000	419.0
04/24/68	314000	413.0
04/11/69	352994	393.0
04/22/70	383148	416.0
05/27/71	429339	349.0
06/14/72	475301	329.0
08/20/73	518750	326.0
06/13/74	547394	333.0
06/29/76	613053	332.0
04/24/78	667065	306.0
05/07/80	724497	299.0
05/10/82	769198	299.0
07/17/84	806565	291.0

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

FARMINGTON

1996 MONTHLY PRODUCTION FOR 53615A

PHS030M

SUNRAY A 1

BLANCO MESAVERDE (PRORATED GAS FIELD

MESAVERDE ZONE

DAYS		OIL		GAS		WATER					
MO	T S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	PROD
1	2 F	31	02	23		01	1078	31	1188	15.025	
2	2 F	29	02	21	5.4	01	2223	29	1188	15.025	
3	2 F	31	02	19		01	1244	31	1188	15.025	
4	2 F	30	02	21		01	3344	30	1188	15.025	
5	2 F	30	02	13		01	1954	30	1188	15.025	
6	2 F	27	02	14	64.0	01	1393	27	1188	15.025	
7	2 F	31	02	11		01	1371	31	1188	15.025	
8	2 F	31	02	9		01	1652	31	1188	15.025	
9	2 F	20	02	4		01	1118	20	1188	15.025	
10	2 F	28	02	19		01	1900	28	1186	15.025	
11	2 F	30	02	20		01	1579	30	1242	15.025	
12	2 F	31	02			0132 mcf	987	31	1242	15.025	

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTIC

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

PRS 02/05/97

B MY JOB

NUM LU #11

FARMINGTON

1996 MONTHLY PRODUCTION FOR 53615B

PHS030M

SUNRAY A 1

BLANCO PICTURED CLIFFS (GAS) FIELD

PICTURED CLIFFS ZONE

DAYS		OIL		GAS		WATER					
MO	T S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	PROD
1	2 F					01	932	31	1152	15.025	
2	2 F					01	859	29	1152	15.025	
3	2 F					01	1069	31	1152	15.025	
4	2 F					01	963	30	1152	15.025	
5	2 F					01	927	31	1152	15.025	
6	2 F					01	786	18	1152	15.025	
7	2 F					01	771	31	1152	15.025	
8	2 F					01	1198	31	1152	15.025	
9	2 F					01	664	20	1152	15.025	
10	2 F					01	1199	31	1151	15.025	
11	2 F					01	1082	30	1150	15.025	
12	2 F					0125 mcf	777	31	1150	15.025	

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTIC

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

PRS 02/05/97

B MY JOB

NUM LU #11

SUNRAY A #1
SECTION 15, T30N, R10W
MESAVERDE - PICTURED CLIFFS

