

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 87505-6429Form 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

Sanchez

3E

J 34-30-10

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7475 API NO. 30-045-25058 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 Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4163-5045'		6854-7002'
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. 965 psi (see attachment) (Original) b. 1253 psi (see attachment)	a. b.	a. 947 psi (see attachment) b. 2056 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1232		BTU 1162
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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 12-96 Rates: 71 mcf/d; 0.09 bopd	Date: Rates:	Date: 12-96 Rates: 156 mcf/d; 0.09 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % will be supplied upon completion

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 ☐ No11. 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 ☐ No13. 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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

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 Mary Ellen Lutey TITLE Production Engineer DATE 2/17/97TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

All distances must be from the outer boundaries of the Section.

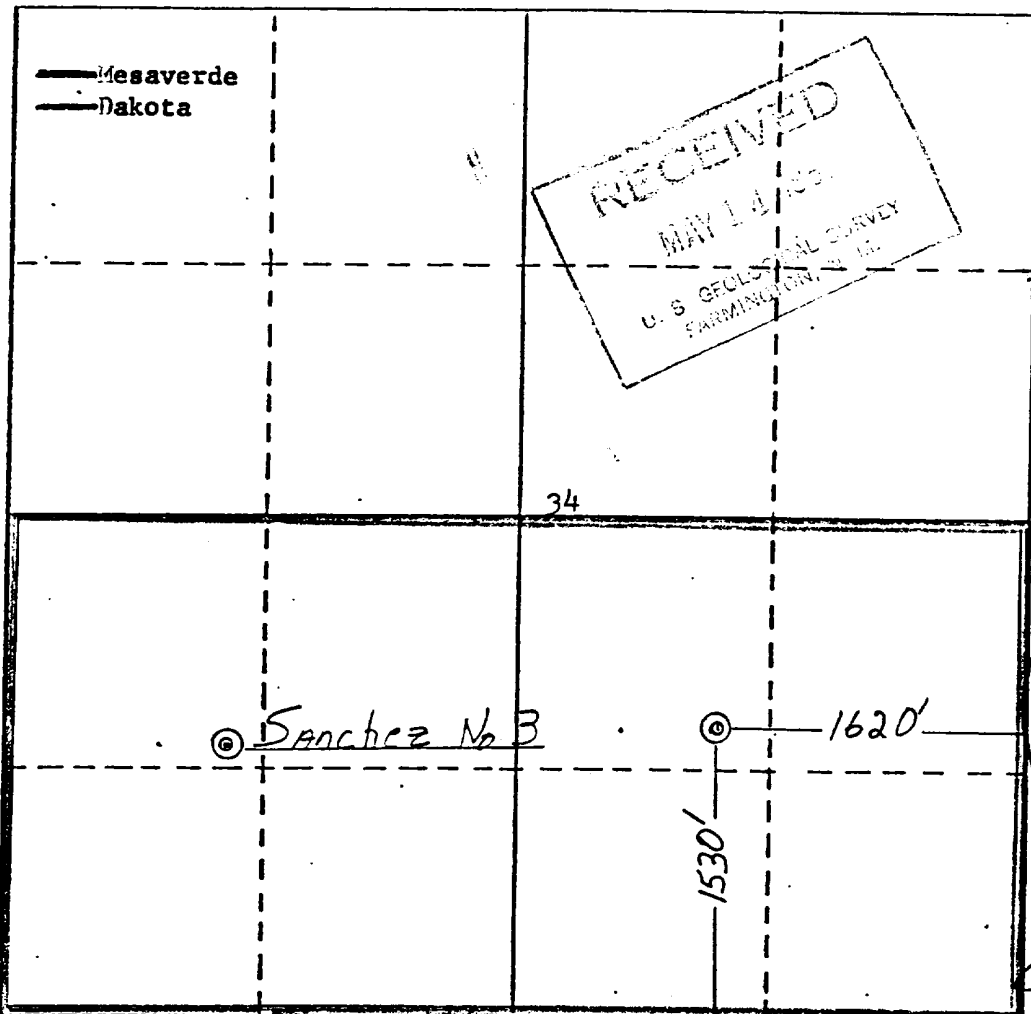
Operator SUPRON ENERGY CORPORATION			Lease SANCHEZ		Well No. 3E
Unit Letter J	Section 34	Township 30 NORTH	Range 10 WEST	County SAN JUAN	
Actual Footage Location of Well:					
1530 feet from the SOUTH line and		1620 feet from the EAST line			
Ground Level Elev. 6005	Producing Formation Dakota Mesaverde	Pool Basin Blanco	Dedicated Acreage: 316.84 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Division.



CERTIFICATION

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

Rudy D. Motto
Name

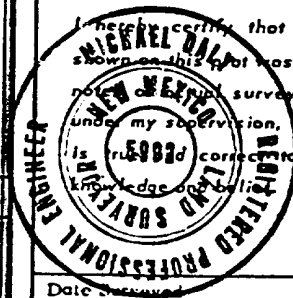
Rudy D. Motto
Position

Area Superintendent
Company

SUPRON ENERGY CORPORATION
Date

May 11, 1981

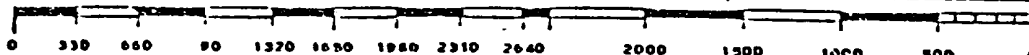
I hereby certify that the well location shown on this plat was plotted from field notes and surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



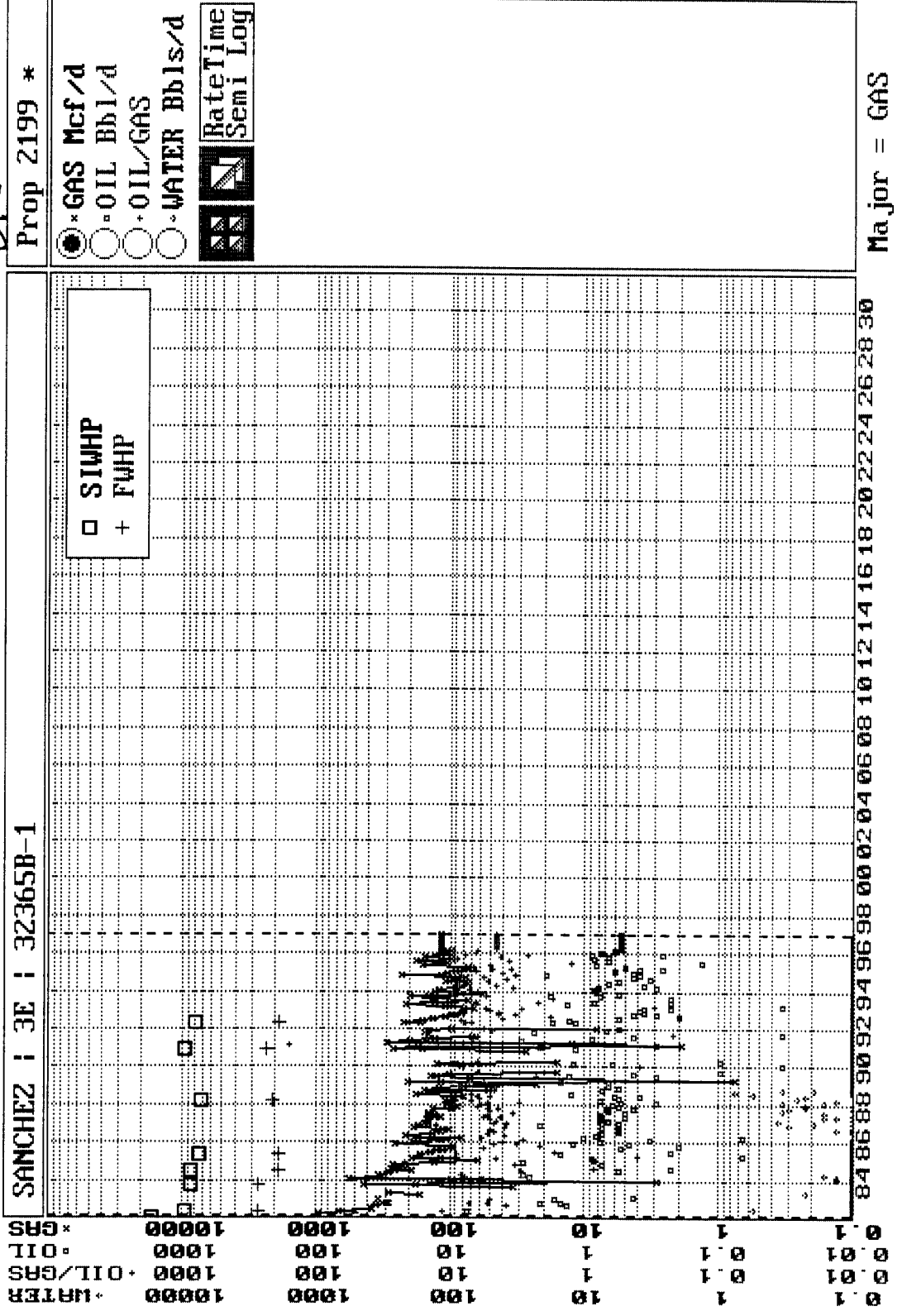
Date
March 20, 1981

Registered Professional Engineer and/or Land Surveyor
Michael Daly

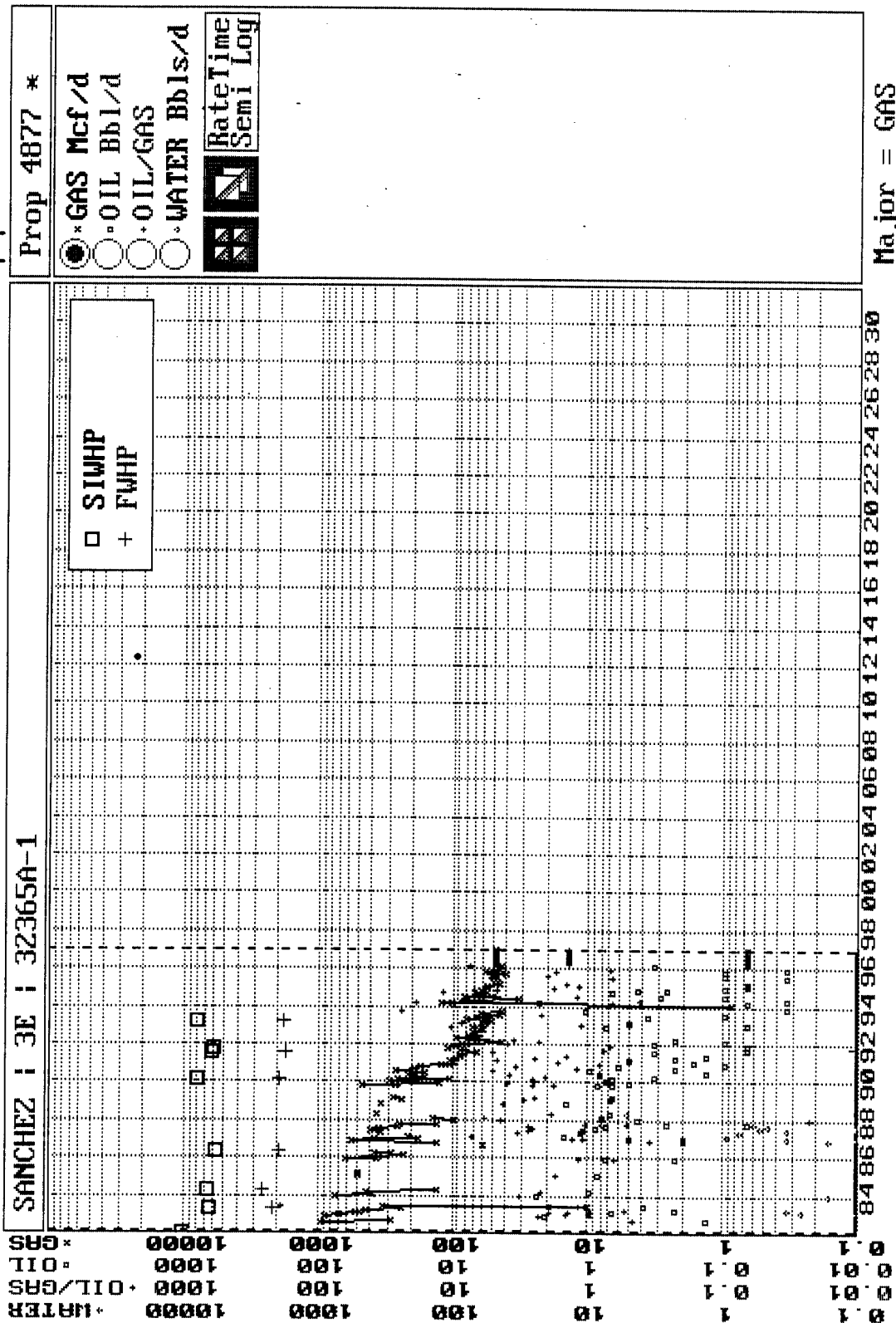
Certificate No.
5992



DK



MV

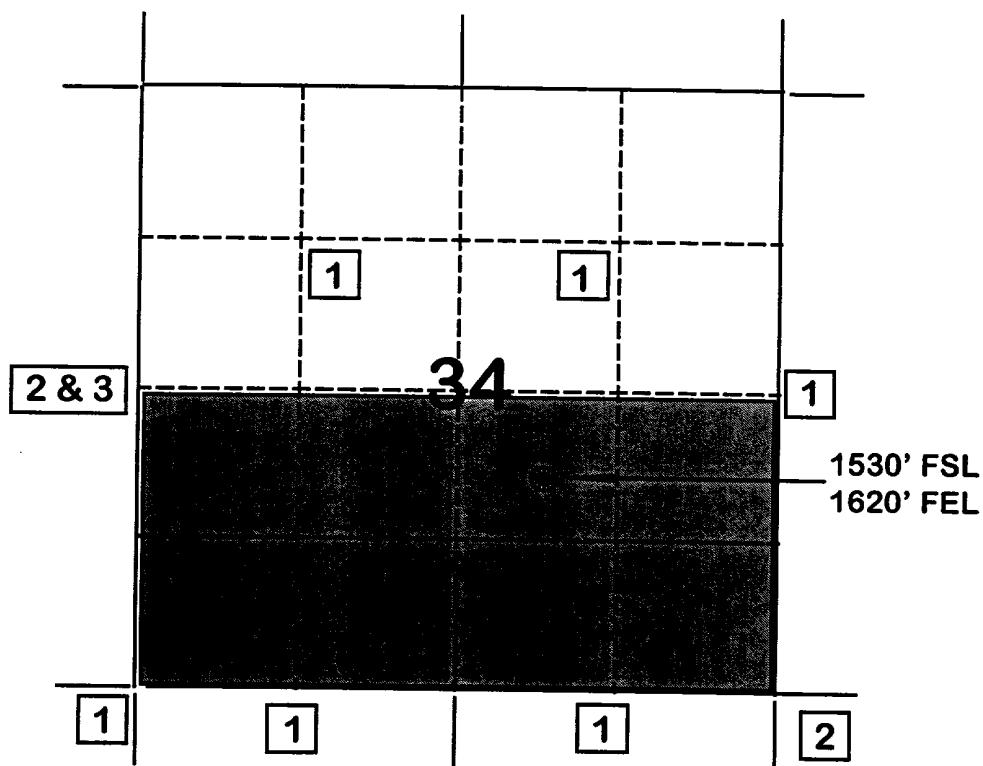


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Sanchez #3E
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde (S/2)/Dakota (S/2) Formations Commingle Well

Township 30 North, Range 10 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 10.3/13/94

GAS GRAVITY	0.68
COND. OR MISC. (C/M)	C
%N2	0.22
%CO2	1.9
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	7100
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	797
BOTTOMHOLE PRESSURE (PSIA)	947.2

SANCHEZ #3E DAKOTA - (CURRENT)

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.68
COND. OR MISC. (C/M)	C
%N2	0.22
%CO2	1.9
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	7100
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1700
BOTTOMHOLE PRESSURE (PSIA)	2055.5

SANCHEZ #3E DAKOTA - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility

Browsing: SANCHEZ | 3E | 32365B-1

Property No.: 2199

Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/8/103224

Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

OK
Quit

--DATE--	---CUM_GAS--	M SIWHP
	Mcf	Psi
09/01/81	0	1700.0
04/19/82	44373	953.0
10/11/83	160165	872.0
06/19/84	227045	853.0
06/03/85	292412	749.0
03/05/88	427424	734.0
11/29/90	497222	944.0
04/29/92	554045	797.0

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	0.7
COND. OR MISC. (C/M)	C
%N2	0.53
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	7100
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	797
BOTTOMHOLE PRESSURE (PSIA)	964.6

SANCHEZ #3E MESAVERDE - (CURRENT)

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.53
%CO2	0.59
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	7100
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1027
BOTTOMHOLE PRESSURE (PSIA)	1252.9

SANCHEZ #3E MESAVERDE - (ORIGINAL)

MV

Organize Data ScreenGraph Economics Report Plot Utility Quit
Browsing: SANCHEZ | 3E | 32365A-1 Property No.: 4877
Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/8/103224
Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
09/09/81	0	1027.0
04/09/83	136134	648.0
04/04/84	198754	681.0
04/23/86	296998	591.0
02/14/90	478708	804.0
07/15/91	554360	622.0
10/21/91	560316	610.0
03/22/93	595575	797.0

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F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

FARMINGTON

1996 MONTHLY PRODUCTION FOR 32365A

PHS030M1

SANCHEZ 3E

BLANCO MESAVERDE (PRORATED GAS FIELD

MESAVERDE ZONE

DAYS =====				OIL =====		=====		GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
1	2	F	29	02			01	1432	29	1222	15.025		
2	2	F	29	02	10		01	1331	29	1222	15.025		
3	2	F	31	02	8		01	1334	31	1222	15.025		
4	2	F	30	02		42.5	01	1460	30	1222	15.025		
5	2	F	26	02	2		01	1215	26	1222	15.025		
6	2	F	30	02	268	36.4	01	4520	30	1210	15.025		
7	2	F	31	02	23		01	7119	31	1210	15.025		
8	2	F	31	02	9		01	3977	31	1210	15.025		
9	2	F	30	02			01	2849	30	1210	15.025		
10	2	F	31	02			01	2457	31	1210	15.025		
11	2	F	30	02			01	2596	30	1210	15.025		
12	2	F	31	02	0.0980PD 3		01	156 mcf 4828	31	1210	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

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PRS 02/05/97

B MY JOB

NUM LU #11

FARMINGTON

1996 MONTHLY PRODUCTION FOR 32365B

PHS030M1

SANCHEZ 3E

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

DAYS =====				OIL =====		=====		GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
1	2	F	31	02	22		01	3419	31	1141	15.025		
2	2	F	29	02	18		01	2945	29	1141	15.025		
3	2	F	31	02		56.3	01	2672	31	1137	15.025		
4	2	F	30	02	17		01	2263	30	1137	15.025		
5	2	F	28	02	22		01	5676	28	1137	15.025		
6	2	F	23	02	15		01	3509	23	1137	15.025		
7	2	F	31	02	17		01	2888	31	1137	15.025		
8	2	F	31	02	9		01	2842	31	1137	15.025		
9	2	F	30	02	8		01	2627	30	1150	15.025		
10	2	F	31	02	13		01	3066	31	1150	15.025		
11	2	F	30	02	7		01	2331	30	1150	15.025		
12	2	F	31	02	0.0980PD 3		01	71 mcf 2210	31	1150	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

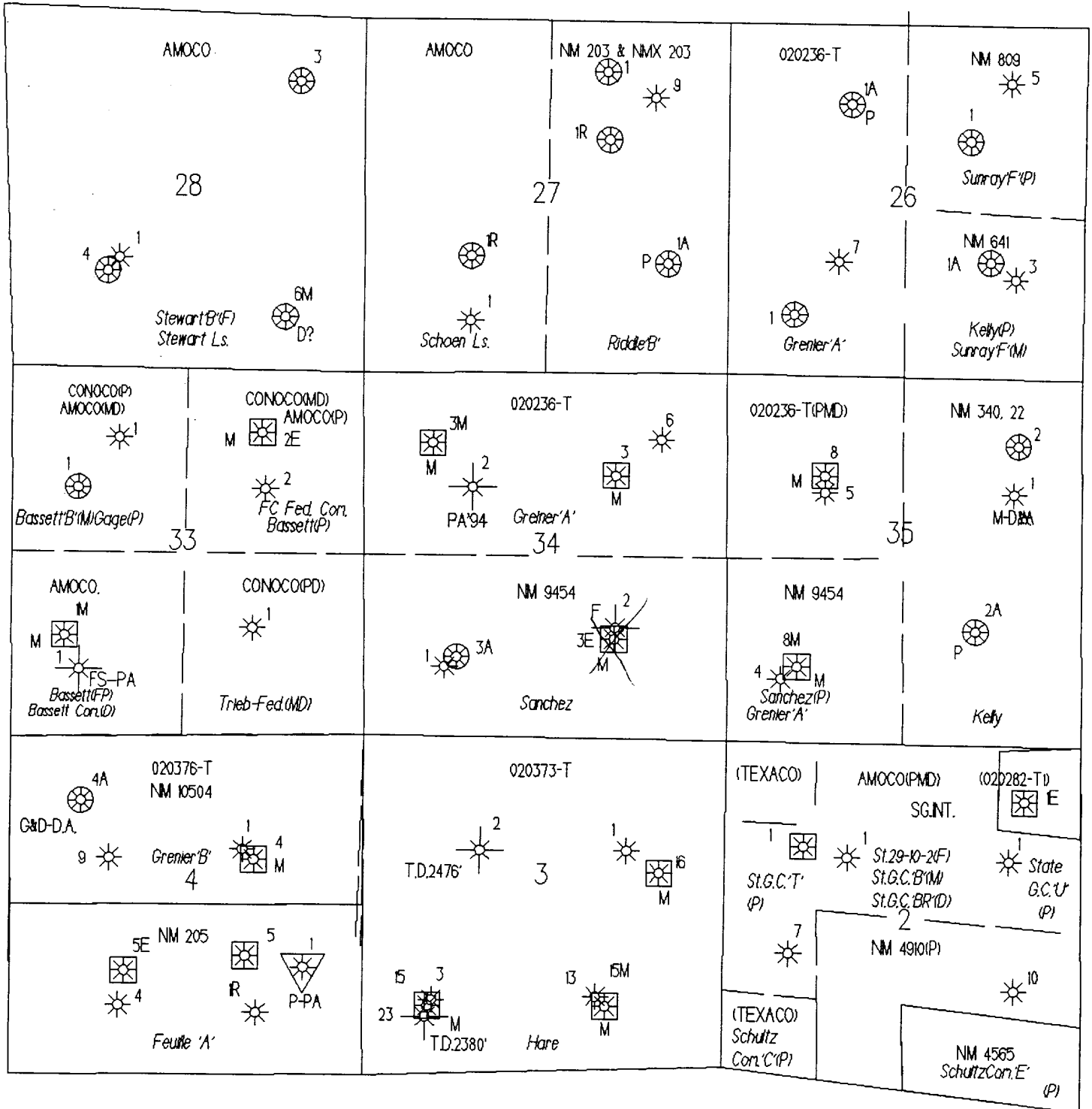
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PRS 02/05/97

B MY JOB

NUM LU #11

SANCHEZ #3E
SECTION 34, T30N, R10W
MESAVERDE - PICTURED CLIFFS



T
30
N

T
20
N