

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 3-12-98

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NOBurlington Resources Oil & Gas Company
87499

PO Box 4289, Farmington, NM

Operator

Florance B

Address

1

N 20-30-9

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7023 API NO. 30-045-09275 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)	2726-2734'		4366-5026'
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. 258 psi from offset wells (see attachment) (Original) b. 915 psi from offset wells (see attachment)		a. 445.4 psi(see attachment) b. 1033.9 psi (see attachment)
6. Oil Gravity (^o API) or Gas BTU Content	BTU 1187		BTU 1227
7. Producing or Shut-In?	producing		producing
Production Marginal? (yes or no)	yes		no
* 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: 19 mcf/d; 0 bopd	Date: Rates:	Date: 12-96 Rates: 298 mcf/d; 0.4 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

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Date **JUNE 6, 1962**

Section A.

Operator **EL PASO NATURAL GAS COMPANY** Lease **FLORANCE "B"** SF076934-A
 Well No. **1 (PM)** Unit Letter **N** Section **20** Township **30-N** Range **9-W** NMPM
 Located **790** Feet From **SOUTH** Line, **1650** Feet From **WEST** Line
 County **SAN JUAN** G. L. Elevation **6049** Dedicated Acreage **320** Acres
 Name of Producing Formation **PICTURED CLIFFS MESA VERDE** Pool **BLANCO P.C. EXTENSION - BLANCO M.V**

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

RECEIVED**JUN 23 1962**

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

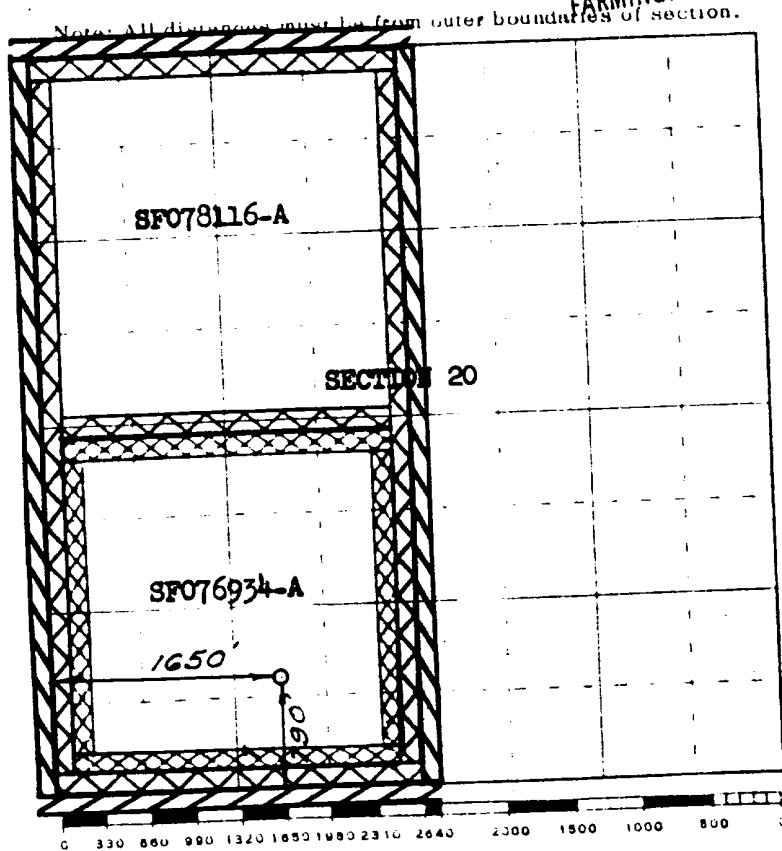
(Operator)

Original Signed **D. W. Meehan**

(Representative)

Box 990

(Address)

Farmington, New Mexico

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

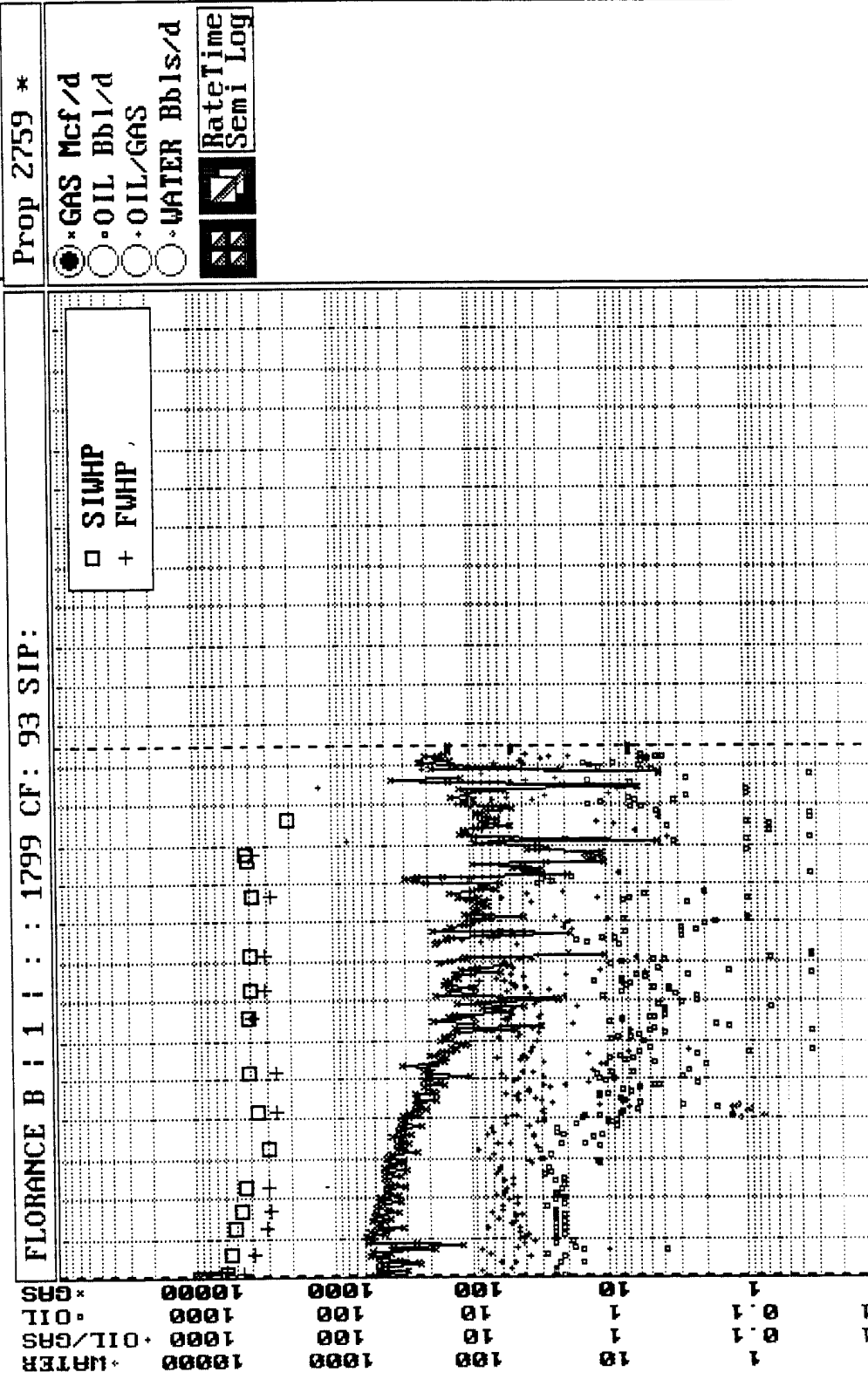
JUNE 23, 1962

David L. Kilmer
 Registered Professional Engineer and/or Land Surveyor

(Seal)

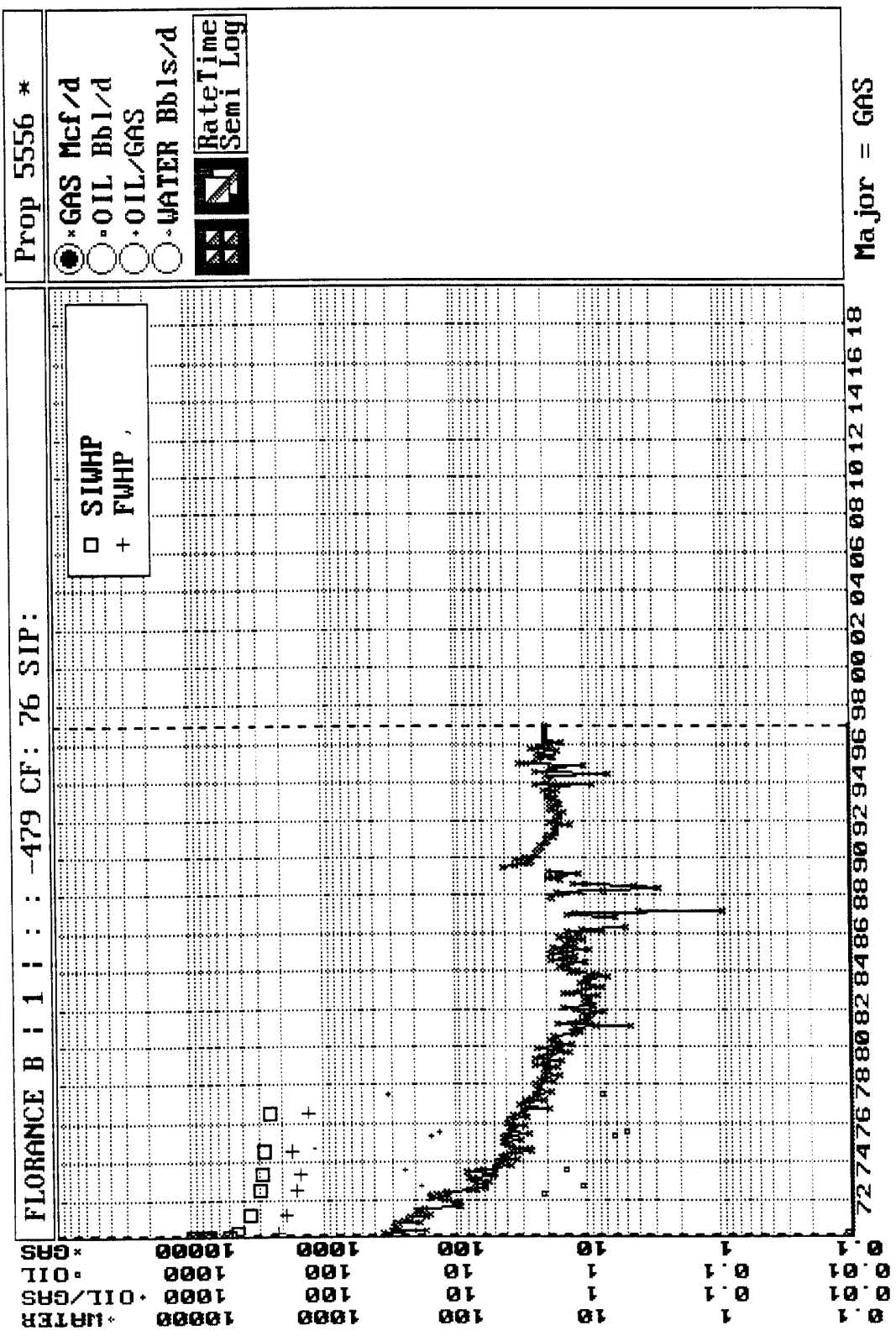
Farmington, New Mexico

MV



Major = GAS

PC

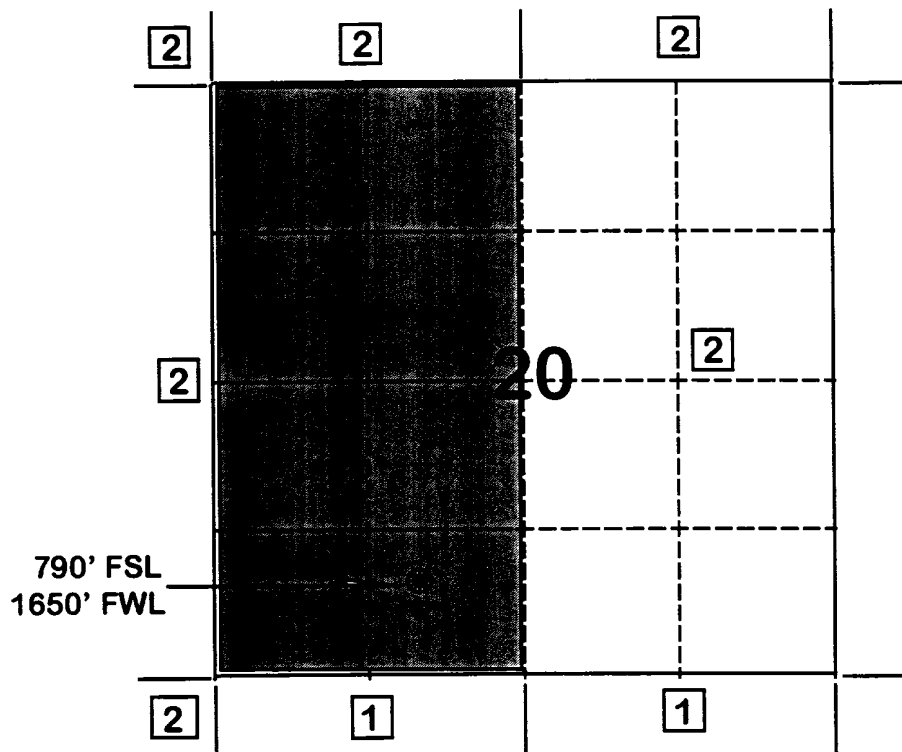


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Florance B #1
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde (W/2)/Pictured Cliffs (SW/4) Formations Commingle Well

Township 30 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

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

VERSION 10/3/13/94

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	0.87
%H2S	0
DIAMETER (IN)	2.06
DEPTH (FT)	5130
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	392
BOTTOMHOLE PRESSURE (PSIA)	445.4

FLORANCE B #1 MESAVERDE - (CURRENT)

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

VERSION 10/3/13/54

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	0.87
%H2S	0
DIAMETER (IN)	2.06
DEPTH (FT)	5130
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	899
BOTTOMHOLE PRESSURE (PSIA)	1033.9

FLORANCE B #1 MESAVERDE - (ORIGINAL)

----- DWIGHTS TEST DATA REPORT ----- Row 1 to 10 of 1-
 COMMAND ==> SCROLL ==> PAGE

State: 30 Lease Name: FLORANCE B
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20N00MV Reservoir Name: MESAVERDE
 District: 4 Operator Name: MERIDIAN OIL INC
 Location: 20N 30N 9W Field Name: BLANCO (MESAVERDE)
 Retrieval code: 251,045,30N09W20N00MV Well: 1 Total Depth: 5130
 Gas Gath: ELNAT Status: ACT Upper Perf: 4366
 API No: 0927500 Comp Date: 196211 Lower Perf: 5026

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19621123	0	899	1008	1135	0	0	0	2444	C	2	88.0	
19700407	1,023,772	606	676	732	0	0	451	402	C	2	23.0	
19710325	1,166,488	554	617	664	0	0	379	426	C	2	29.0	
19720717	1,370,317	518	577	618	0	0	306	558	C	2	34.0	
19730501	1,505,571	476	530	564	0	0	283	505	C	2	39.0	
19740731	1,698,223	435	484	513	0	0	293	347	C	2	43.0	
19780523	2,178,297	354	393	412	0	0	262	252	C	2	53.0	
19800512	2,329,693	403	448	473	0	0	259	209	C	2	47.0	
19830210	2,473,249	414	460	486	0	0	383	133	C	2	46.0	
19840802	2,520,926	401	446	471	0	0	310	144	C	2	47.0	

B MY JOB LU #16

----- DWIGHTS TEST DATA REPORT ----- Row 11 to 14 of 1
 COMMAND ==> SCROLL ==> PAGE

State: 30 Lease Name: FLORANCE B
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20N00MV Reservoir Name: MESAVERDE
 District: 4 Operator Name: MERIDIAN OIL INC
 Location: 20N 30N 9W Field Name: BLANCO (MESAVERDE)
 Retrieval code: 251,045,30N09W20N00MV Well: 1 Total Depth: 5130
 Gas Gath: ELNAT Status: ACT Upper Perf: 4366
 API No: 0927500 Comp Date: 196211 Lower Perf: 5026

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19860402	2,588,761	396	440	464	0	0	307	103	C	2	48.0	
19890505	2,683,665	387	430	453	0	0	281	45	C	2	49.0	
19910716	2,749,146	424	471	498	0	0	374	14	C	2	45.0	
19950912	2,860,838	392	436	459	0	0	99	207	C	2	0.9	

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B MY JOB LU #16

----- DWIGHTS TEST DATA REPORT ----- Row 1 to 7 of
 COMMAND ==> SCROLL ==> PAGE

State: 30 Lease Name: FLORANCE B

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

VERSION 10/3/13/34

GAS GRAVITY	0.68
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.78
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5130
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	228
BOTTOMHOLE PRESSURE (PSIA)	258.4

FLORENCE B #1 PICTURED CLIFFS - (CURRENT)

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

VERSION 10.3/13/54

GAS GRAVITY	0.68
COND. OR MISC. (C/M)	C
%N2	0.25
%CO2	0.78
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5130
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	796
BOTTOMHOLE PRESSURE (PSIA)	915.4

FLORANCE B #1 PICTURED CLIFFS - (ORIGINAL)

----- DWIGHTS TEST DATA REPORT ----- Row 1 to 10 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20C00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: MERIDIAN OIL INC
 Location: 20C 30N 9W Field Name: BLANCO (ICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20C00PC Well: 8 Total Depth: 2834
 Gas Gath: ELNAT Status: ACT Upper Perf: 2771
 API No: 2046200 Comp Date: 196906 Lower Perf: 2783

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19690620	0	711	763	847	0	0	0	1685	C	2	1.0	
19700422	152,471	473	506	543	0	0	230	471	C	2	32.0	
19710527	289,177	365	390	412	0	0	224	289	C	2	47.0	
19720918	398,545	302	323	338	0	0	160	234	C	2	56.0	
19730820	454,878	288	308	322	0	0	248	151	C	2	58.0	
19740613	495,355	272	290	302	0	0	209	140	C	2	60.0	
19760629	590,014	239	255	264	0	0	125	128	C	2	65.0	
19780523	650,533	227	242	250	0	0	125	67	C	2	67.0	
19800624	692,687	233	249	258	0	0	199	37	C	2	66.0	
19820526	719,386	238	254	263	0	0	203	34	C	2	65.0	

B MY JOB LU #5

----- DWIGHTS TEST DATA REPORT ----- Row 11 to 11 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20C00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: MERIDIAN OIL INC
 Location: 20C 30N 9W Field Name: BLANCO (ICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20C00PC Well: 8 Total Depth: 2834
 Gas Gath: ELNAT Status: ACT Upper Perf: 2771
 API No: 2046200 Comp Date: 196906 Lower Perf: 2783

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19840709	744,048	240	256	265	0	0	150	65	C	2	65.0	
***** Bottom of data *****												

B MY JOB LU #5

----- DWIGHTS TEST DATA REPORT ----- Row 1 to 10 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE

Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20I00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: AMOCO PRODUCTION CO
 Location: 20I 30N 9W Field Name: BLANCO (PICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20I00PC Well: 52 Total Depth: 2939
 Gas Gath: ELNAT Status: ACT Upper Perf: 2800
 API No: 1165400 Comp Date: 196603 Lower Perf: 2812

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19660315	0	836	899	1016	0	0	0	3042	C	4	85.0	
19660402	246,831	0	0	0	0	0	0	3042		2	0.0	
19700422	288,236	492	527	567	0	0	226	299	C	2	30.0	
19710527	400,316	443	474	506	0	0	181	239	C	2	36.0	
19720614	475,320	400	428	454	0	0	161	194	C	2	42.0	
19730829	545,693	370	396	419	0	0	147	193	C	2	46.0	
19740731	590,699	324	346	363	0	0	187	123	C	2	53.0	
19760712	666,077	284	303	316	0	0	137	70	C	2	59.0	
19780523	721,159	248	265	275	0	0	133	79	C	2	64.0	
19800513	770,371	241	257	266	0	0	121	57	C	2	65.0	

B MY JOB LU #5

----- DWIGHTS TEST DATA REPORT ----- Row 11 to 12 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20I00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: AMOCO PRODUCTION CO
 Location: 20I 30N 9W Field Name: BLANCO (PICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20I00PC Well: 52 Total Depth: 2939
 Gas Gath: ELNAT Status: ACT Upper Perf: 2800
 API No: 1165400 Comp Date: 196603 Lower Perf: 2812

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19820504	815,256	208	222	229	0	0	182	44	C	2	69.0	
19840802	848,577	222	237	245	0	0	163	71	C	2	67.0	

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B MY JOB LU #5

----- DWIGHTS TEST DATA REPORT ----- Row 1 to 10 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20B00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: AMOCO PRODUCTION CO
 Location: 20B 30N 9W Field Name: BLANCO (PICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20B00PC Well: 51Y Total Depth: 2840
 Gas Gath: ELNAT Status: ACT Upper Perf: 2721

API No: 1165300

Comp Date: 196603

Lower Perf: 2737

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19660324	0	842	904	1024	0	0	0	3747	C	2	83.0	
19700407	332,024	427	456	486	0	0	222	376	C	2	38.0	
19710723	444,679	355	379	400	0	0	193	202	C	2	48.0	
19720717	505,992	305	325	340	0	0	167	172	C	2	55.0	
19730501	552,350	287	306	319	0	0	170	165	C	2	58.0	
19740613	599,268	276	294	307	0	0	154	94	C	2	59.0	
19760610	669,357	247	263	273	0	0	123	95	C	2	64.0	
19780522	745,860	192	205	211	0	0	111	97	C	2	72.0	
19800624	805,279	211	225	232	0	0	130	63	C	2	69.0	
19820526	850,784	209	223	230	0	0	154	66	C	2	69.0	

B MY JOB LU #5

----- DWIGHTS TEST DATA REPORT ----- Row 11 to 11 of 1
 COMMAND ==> SCROLL ==> PAG

State: 30 Lease Name: FLORANCE
 Prod: 2 County Name: SAN JUAN
 Ident: 30N09W20B00PC Reservoir Name: PICTURED CLIFFS
 District: 4 Operator Name: AMOCO PRODUCTION CO
 Location: 20B 30N 9W Field Name: BLANCO (ICTURED CLIFFS)
 Retrieval code: 251,045,30N09W20B00PC Well: 51Y Total Depth: 2840
 Gas Gath: ELNAT Status: ACT Upper Perf: 2721
 API No: 1165300 Comp Date: 196603 Lower Perf: 2737

Date	Cum to Test	WHSIP	BHP	P/Z	BDWtr	BDCnd	WHFlw	Poten	MC	Pt	Z	F
19840627	892,507	221	236	244	0	0	136	104	C	2	67.0	

***** Bottom of data *****

B MY JOB

LU #5

FARMINGTON
FLORANCE B 1
BLANCO MESAVERDE (PRORATED GAS FIELD

1996 MONTHLY PRODUCTION FOR 52966A

PHS030M

MESAVERDE ZONE

DAYS =====				OIL =====		=====		GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD
1	2	F	31	02	44	61.0	01	6973	31	1205	15.025	
2	2	F	29	02	27		01	6825	29	1205	15.025	
3	2	S	18	02	17		01	4056	18	1205	15.025	
4	2	F	16	02	15		01	5103	16	1205	15.025	
5	2	F	31	02	12	57.9	01	6407	31	1205	15.025	
6	2	F	22	02	13		01	5075	22	1205	15.025	
7	2	F	31	02	17		01	4516	31	1203	15.025	
8	2	F	31	02	9		01	4505	31	1203	15.025	
9	2	F	27	02	17		01	4429	27	1203	15.025	
10	2	F	31	02	9		01	4091	31	1203	15.025	
11	2	F	30	02	6	57.6	01	4012	30	1203	15.025	
12	2	F	31	02	0.4 BOLD	12	01298 mcf	3581	31	1203	15.025	

PF6 - RETURNS TO ANNUAL DISPLAY

PF10 - HELP INFORMATION

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

PF3 - TRANSFER TO UPDATE

PF9 - DISPLAY MONTHLY INJECTIO

PRS 02/05/97

B MY JOB

NUM LU #14

FARMINGTON
FLORANCE B 1
BLANCO PICTURED CLIFFS (GAS) FIELD

1996 MONTHLY PRODUCTION FOR 52966B

PHS030M

PICTURED CLIFFS ZONE

DAYS =====				OIL =====		=====		GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD
1	2	F					01	594	31	1166	15.025	
2	2	F					01	457	29	1166	15.025	
3	2	F					01	574	31	1166	15.025	
4	2	F					01	611	30	1166	15.025	
5	2	F					01	640	31	1166	15.025	
6	2	F					01	460	30	1166	15.025	
7	2	F					01	709	31	1166	15.025	
8	2	F					01	694	31	1166	15.025	
9	2	F					01	616	27	1166	15.025	
10	2	F					01	617	31	1167	15.025	
11	2	F					01	600	30	1167	15.025	
12	2	F					0119 mcf	601	31	1167	15.025	

PF6 - RETURNS TO ANNUAL DISPLAY

PF10 - HELP INFORMATION

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

PF3 - TRANSFER TO UPDATE

PF9 - DISPLAY MONTHLY INJECTIO

PRS 02/05/97

B MY JOB

NUM LU #14

FLORANCE B #1
SECTION 20. T30N. R09W
MESAVERDE - PICTURED CLIFFS

