



AMOCO PRODUCTION COMPANY

Application for Qualification of Well  
Workover Project

Florance No. 67 Well

NMOCD CASE NO. 11557  
JUNE 27, 1996

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
LAWYERS

MICHAEL B. CAMPBELL  
WILLIAM F. CARR  
BRADFORD C. BERGE  
MARK F. SHERIDAN

MICHAEL H. FELDEWERT  
TANNIS L. FOX  
TANYA M. TRUJILLO  
PAUL R. OWEN

JACK M. CAMPBELL  
OF COUNSEL

JEFFERSON PLACE  
SUITE 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE: (505) 988-4421  
TELECOPIER: (505) 983-6043

June 5, 1996

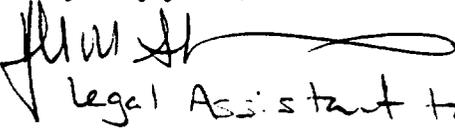
**HAND DELIVERY**

William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: Application of Amoco Production Company for Qualification of the  
Florance No. 67 Well Workover Project and Certification of Approval,  
San Juan County, New Mexico

Dear Mr. LeMay:

Enclosed in triplicate is an Application of Amoco Production Company in the above-referenced case. Also enclosed is a draft of a legal advertisement for this case. Amoco Production Company requests that this case be set for hearing before a Division Examiner on June 27, 1996.

Very truly yours,  
  
Legal Assistant to  
WILLIAM F. CARR

WFC:jar

Enclosures

cc: Ms. Pam Staley (w/enclosures)  
Amoco Production Company  
Mr. Frank Chavez, District Supervisor (w/enclosures)  
Oil Conservation Division, District III

BEFORE THE

OIL CONSERVATION DIVISION

NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION  
OF AMOCO PRODUCTION COMPANY FOR  
QUALIFICATION OF A WELL WORKOVER  
PROJECT AND CERTIFICATION OF APPROVAL,  
SAN JUAN COUNTY, NEW MEXICO.

CASE NO. \_\_\_\_\_

**APPLICATION**

AMOCO PRODUCTION COMPANY ("Amoco"), through its undersigned attorneys, hereby seek an order from the Division pursuant to the Rules and Procedures for Qualification of a Well Workover Project and Certification for the Well Workover Incentive Tax Rate promulgated by Division Order No. R-10505, entered in Case 11273 on November 1, 1995, and in support hereof states:

1. Amoco is the operator of the Florance No. 67, Unit O, 1135 feet from the South line and 1850 feet from the East line, Section 19, Township 27 North, Range 8 West, located in San Juan County, New Mexico, upon which it has undertaken procedures that have been approved by the Division which are intended to increase the production therefrom.
2. The workover procedure on the subject well commenced after June 16, 1995.
3. Amoco filed an Application for Qualification of Well Workover Project and Certification of Approval For the subject well on April 25, 1996, to which it attached a straight line estimate of the production rate of the well and table showing monthly gas project

production from the well based on at least twelve months of established production which shows the future rate of production based on well performance prior to performing the workover.

4. The use of a straight line estimate of the future production rate for the well prior to performing the workover should be another acceptable method of projecting the future production rate for workover projects for:

- A. it will be easy for operators to prepare;
- B. it will be easy for the Division and the Department of Taxation and Revenue to read and confirm the accuracy of the data contained therein;  
and
- C. it does not violate the intent of the " Natural Gas and Crude Oil production Incentive Act" for it will result in an estimate of future production that will limit the amount of oil or gas which will qualify for the Incentive Tax Rate authorized therein.

5. The application filed for the subject well was complete, accurate and properly verified as required by Division rules.

6. The Division's Aztec District Office declined to approve this application within thirty days of the date it was filed and advised Amoco that, if it desired to utilize a straight line estimate of production prior to performing the workover, it would have to request that the application be set for hearing before a Division hearing Examiner in accordance with the

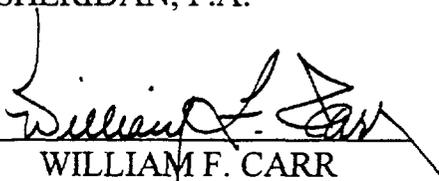
rules of the Division.

7. Approval of this application and the use of straight line estimates of production prior to performing the workovers on the subject well will be consistent with law, the prevention of waste and the protection of correlative rights.

WHEREFORE, Amoco Production Company requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation on June 27, 1996 and that, after notice and hearing as required by law, the Division enter its Order (1) granting this application, (2) qualifying the subject well as a Well Workover Project and (3) certifying the production projection for the project.

Respectfully submitted,

CAMPBELL, CARR, BERGE &  
SHERIDAN, P.A.

By: 

WILLIAM F. CARR

Post Office Box 2208

Santa Fe, New Mexico 87504-2208

Telephone: (505) 988-4421

ATTORNEYS FOR AMOCO PRODUCTION  
COMPANY

CASE \_\_\_\_\_:

Application of Amoco Production Company for qualification of a well workover project and certification of approval, San Juan County, New Mexico. Applicant seeks an order qualifying the Florance No. 67, Unit O, 1135 feet from the South line and 1850 feet from the East line, Section 19, Township 27 North, Range 8 West, N.M.P.M., as a well workover project for the incentive tax rate authorized by the Natural Gas and Crude Oil Production Incentive Act and the Rules and Procedures for Qualification of Well Workover Projects and Certification for the Well Workover Incentive Tax Rate promulgated by Division Order No. R-10505. Said well is located approximately \_\_\_\_\_ miles \_\_\_\_\_ of \_\_\_\_\_, New Mexico.



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON  
GOVERNOR

JENNIFER A. SALISBURY  
CABINET SECRETARY

May 10, 1996

Patricia J. Haefele  
Amoco Production Company  
PO Box 800  
Denver CO 80201

Re: C-140 Application for Florance #67 O-19-27N-8W 30-045-11822

Dear Patricia:

The referenced application is hereby denied. The method of determining the future rate of production is not acceptable.

As per Rule 1140 you may request a hearing on this application.

Sincerely,

A handwritten signature in black ink, appearing to read "F. T. Chavez".

Frank T. Chavez  
District Supervisor

FTC\sh

cc: well file

District I - (305) 393-6161

PO Box 1980

Hobbs, NM 88241-1980

District II - (505) 748-1283

811 S. First

Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road

Aztec, NM 87410

District IV

New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street

Santa Fe, New Mexico 87505

(505) 827-7131

Form C-140

Originated 11/1/95

Submit Original

Plus 2 Copies

to appropriate

District Office

APPLICATION FOR  
QUALIFICATION OF WELL WORKOVER PROJECT  
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Amoco Production Company OGRID #: 000778

Address: P.O. Box 800, Denver, Colorado 80201

Contact Party: Patricia J. Haeefe Phone: (303) 830-4988

II. Name of Well: Florance #67 API #: 3004511822

Location of Well: Unit Letter O, 1135 Feet from the South line and 1850 Feet from the East line, Section 19, Township 27N, Range 8W, NMPM, San Juan County.

III. Date Workover Procedures Commenced: 8/3/95

Date Workover Procedures were Completed: 8/25/95

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.

V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.

VI. Pool(s) on which Production Projection is based:

Basin Dakota

VII. AFFIDAVIT:

State of Colorado )

) ss.

County of Denver )

Patricia J. Haeefe, being first duly sworn, upon oath states:

- I am the Operator or authorized representative of the Operator of the above referenced Well.
- I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
- To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

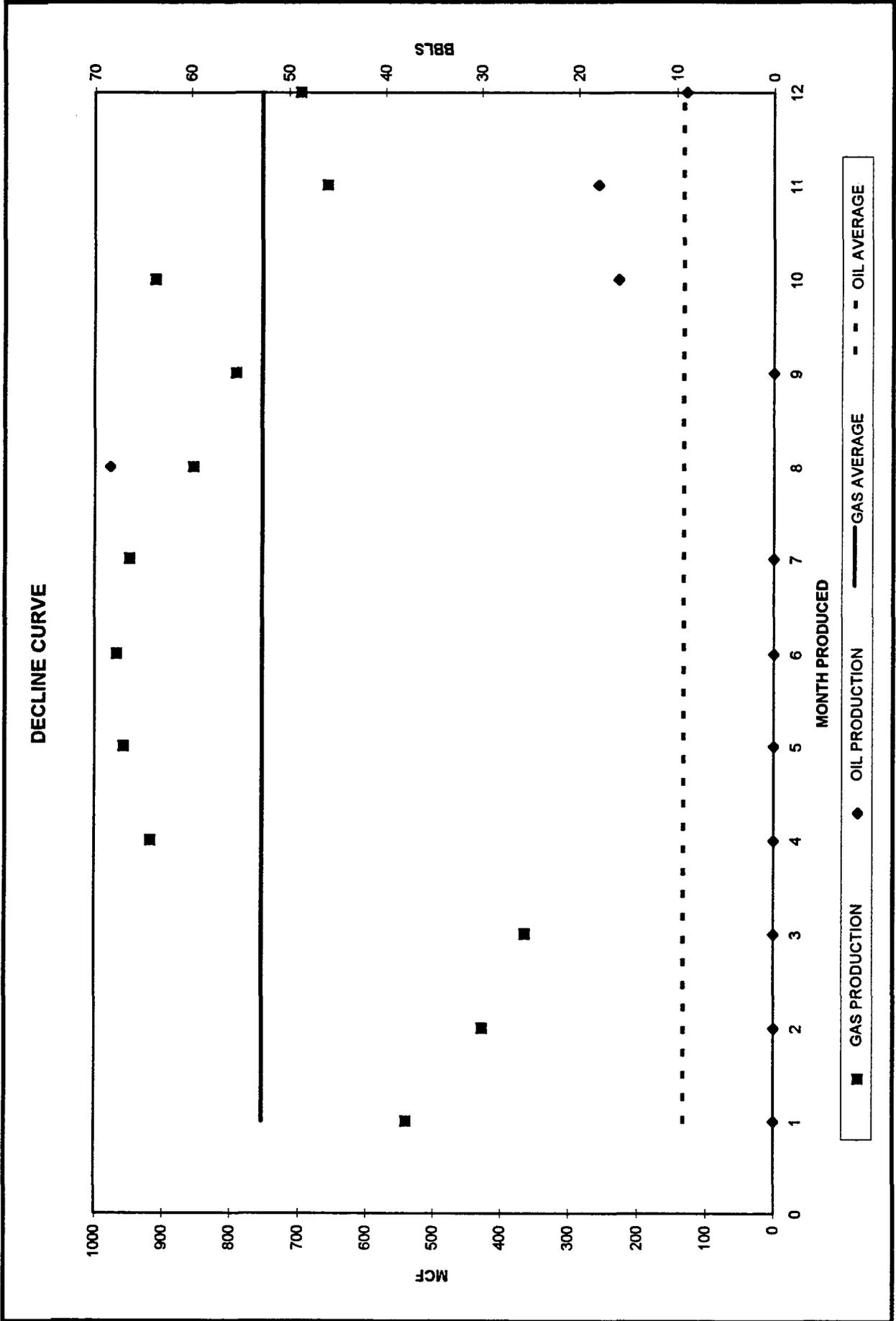
RECEIVED  
APR 26 1996  
OIL CON. DIV.  
DIST. 3

Patricia J. Haeefe  
(Name)

Staff Assistant

(Title)

FLORENCE 67



Florance 67

WELLNAME	WELLNO	POOL	FLAC	API	QO&TR	MONTH	OIL	GAS
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	07/94	0	540
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	08/94	0	427
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	9/30/94	0	363
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	10/31/1994	0	917
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	11/30/1994	0	957
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	12/31/1994	0	967
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	01/31/1995	0	948
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	02/28/1995	68.36	854
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	03/31/1995	0	791
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	04/30/1995	16	911
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	05/31/1995	18	657
FLORANCE	067O19	BASIN-DAKOTA-GAS	97900801	3004511822	SWSE0019027008	06/30/1995	9	697
					12-month average - Future Trend		9	752

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

(See other instructions on reverse side)

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER  50 MP-7 PH12

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RES. VIL.  OTHER  Recompletion

2. NAME OF OPERATOR: Amoco Production Company Attention: Gail M. Jefferson, Rm 1295C

3. ADDRESS AND TELEPHONE NO.: P.O. Box 800, Denver, Colorado 80201 (303) 830-6157

4. LOCATION OF WELL: (Report location clearly and in accordance with any State requirements)\*  
At surface 1135' FSL 1850 FEL UNIT 0  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: NM-03380

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. NAME OR LEASE NAME, WELL NO.: Florence #67

9. API WELL NO.: 3004511822

10. FIELD AND POOL, OR WILDCAT: Otero Chacra

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 19  
Township 27N Range 8W

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH: San Juan 13. STATE: New Mexico

15. DATE SPUDDED: 9/2/66 16. DATE T.D. REACHED: 9/14/66 17. DATE COMPL. (Ready to prod.): 8/25/95 18. ELEVATIONS (DF, RKD, RT, GR, ETC.):\* 6078' GR 19. ELEV. CASINGHEAD: 6078'

20. TOTAL DEPTH, MD & TVD: 6777' 21. PLUG BACK T.D., MD & TVD: 6748' 22. IF MULTIPLE COMPL., HOW MANY\*: 3 23. INTERVALS DRILLED BY: ROTARY TOOLS YES NO CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*: Otero Chacra 3003'-3209' 25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: CBL, CCL and GR 13'-5,190' 27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	225'	12-1/4"	225 sxs	
4-1/2"	10.5 & 11.6#	6776'	7-7/8"	300 sxs 1st stage 241 sxs 2nd stage 450 sxs 3rd stage	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8"	6659'	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attached	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)					
7/23/95	Flowing	SHUT IN					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N FOR TEST PERIOD	OIL - DBL.	GAS - MCF.	WATER - DBL.	GAS-OIL RATIO
8/23/95	12 hrs	32/64"		Trace	1200 mcf	0	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - DBL.	GAS - MCF.	WATER - DBL.	OIL GRAVITY - API (CORR.)	
185#	440#						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): To Be Sold TEST WITNESSED BY: **ACCEPTED FOR RECORD**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: Gail M. Jefferson TITLE: Sr. Admin. Staff **FARMINGTON DISTRICT OFFICE** 09-05-1995

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

RECEIVED  
BLM MAIL ROOM  
(See other instructions on reverse side)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-03380	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
Attention: Gail M. Jefferson, Rm 1295C		8. FARM OR LEASE NAME, WELL NO. Florance #67	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-6157		9. API WELL NO. 3004511822	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1135' FSL 1850 FEL UNIT 0		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
At top prod. interval reported below		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 19	
At total depth		Township 27N Range 8W	
14. PERMIT NO.		12. COUNTY OR PARISH San Juan	
DATE ISSUED		13. STATE New Mexico	
15. DATE SPUNDED 9/2/66	16. DATE T.D. REACHED 9/14/66	17. DATE COMPL. (Ready to prod.) 8/25/95	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6078' GR
19. ELEV. CASINGHEAD 6078'	20. TOTAL DEPTH, MD & TVD 6777'		21. PLUG BACK T.D., MD & TVD 6748'
22. IF MULTIPLE COMPL., HOW MANY* 3		23. INTERVALS DRILLED BY	ROTARY TOOLS YES
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Blanco Mesaverde 4380'-4692'		CABLE TOOLS NO	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, CCL and GR 13'-5,190'	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	225'	12-1/4"
4-1/2"	10.5 & 11.6#	6776'	7-7/8"
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
None			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	6659'		
31. PERFORATION RECORD (Interval, size and number) See Attached		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) See Attached AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION			
DATE FIRST PRODUCTION 8/11/95	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SHUT IN
DATE OF TEST 8/11/95	HOURS TESTED 8 hrs	CHORE SIZE 16/64"	PROD'N FOR TEST PERIOD
FLOW TUBING PRESS. flowed thru sing	CASING PRESSURE 460#	CALCULATED 24-HOUR RATE	OIL - BBL. Trace
			GAS - MCF. 900 mcf
			WATER - BBL. 22 bbls
			GAS-OIL RATIO
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS			

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Gail M. Jefferson TITLE Sr. Admin. Staff Asst. DATE 09-05-1995

Florance 67 - Recompletion - Subsequent

MIRUSU 8/3/95

TOH w/ 2.375" tbg. THH w/RBP and set @ 5190'. Fill up hole w/75 bbls of wtr. Pressure test to 1000#. Ok. Dumped 1 sack of sand on top of plug. TOH w/ret head. THH w/tension pkr to find leak, got pkr stuck for 2 hrs, worked loose, TOH. THH w/scrapper to 4746'.

THH w/rfts pkr to isolate leak @ 3570', est. inj. rate 1/2 bpm @ 1000#. Set pkr @ 3111', pressure test backside to 500#. Held ok.

Cmt squeeze from 3367-3570' with 115 sacks Class B cmt. Average rate 1.0 bpm, max rate 2.0 bpm. Tst'd casing to 500# for 10 mins. Held ok.

THH to 5106' & displaced 75 bbls of clayfix water. TOH w/bit and collars.

Ran CBL, CCL and GR from 13'-5190'.

THH and set pkr @ 4205', pressure test to 500#. Held ok.

Perf'd: 4380', 4390', 4400', 4415', 4430', 4436', 4450', 4460', 4488', 4508', 4520', 4555', 4682' w/1 jspf, .340 inch diameter, 12.5 grams, 180 degree phasing, total 14 shots fired.

Frac'd from 4380'-4692' w/894 bbls 70 quality foam & 159,017# 16/30 sand, 1,109,996 scf N2. Max PSI: 6440#, Max Rate 31.0 bpm. ISIP 4631#.

Set RBP @ 3354', fill uphole w/54 bbls water and pressure test to 500#. Tst'd ok. Dumped 1 sack of sand on top of plug. TOH w/ret head.

Perf'd @ 290' w/2 jspf, .340 inch diameter, 180 degree phasing, 12.5 grams total 2 shots fired.

Cmt'd from 13' to 290' with 70 sacks Class B cmt. Avg. rate 3.0 bpm, max rate 3.0 bpm.

Plug back interval 184'-296'. Used 2 bbls, 8 sacks of ideal Class B cmt w/2% super CBL & 5% Calseal.

After drilling out THH to 3350' w/pkr and circ 45 bbls of clean clayfix wtr.

Tst'd casing to 500#. Held ok.

Perf'd: 3003', 3025', 3049', 3055', 3072', 3077'3193', 3207', 3209' w/1jspf, .340 inch diameter, 12.5 grams. Total 9 shots fired. Balled off perms and ran frac liner down to 446'.

Frac'd from 3003'-3209' w/254 bbls 70 quality foam and 85,100# 16/30 sand 1,105,788 scf N2. Max PSI 3040#, Max Rate 24.0 bpm.

Due to surface leak before the frac valve had to SI at wellhead. After 4 hrs SI SICP 1550#, after 1 hr from casing pressure 1200#. Continue to flow on 1/4" choke for 8 hrs. Gasing no water.

Cleaned out from 4493'-5190'. RU air to break circ, pressure up to 2000#. TOH one jt. plugged w/sand above float string.

Clean out from 6695-6748'. SICP 700#. Blew well down. TIII w/tbg to 6495 and opened well on 1/2" choke. Flowing pressure 140#, casing pressure 350#.

Reperfd: 4375-4402', 4410-4416', 4426-4440', 4448-4468', 4485-4490', 4500-4506', 4515-4525', 4552-4556 w/2 jspf, .340 inch diameter, 180 degree phasing. 12.5 grams, Total 200 shots fired.

Flowed MV and Chacra (3003-4692') for 24 hrs on 32/64" choke, tbg pressure 170#, casing pressure 400#. Recovered 0 bbls wtr, trace oil, 1200 mcf.

SITP 400#, SICP 400#. Land 2-3/8" tbg @ 6659'.

RD MOSU 8/25/95.

NMOCD Case No. 11557

Florance #67 Well

Orig. Compl. 1967 in Basin Dakota.

Workover 8/3/95 - 8/25/95

Perf and Frac Otero Chacra and Blanco Mesaverde ;

Complete as downhole commingle of all three zones.

\* Avg 12 month production should be 765 mcf/mo. (using data from 8/94-7/95).

Orig. submitted calc. avg. of 752 mcf/mo. using production from 7/94-6/95.

# Dwights

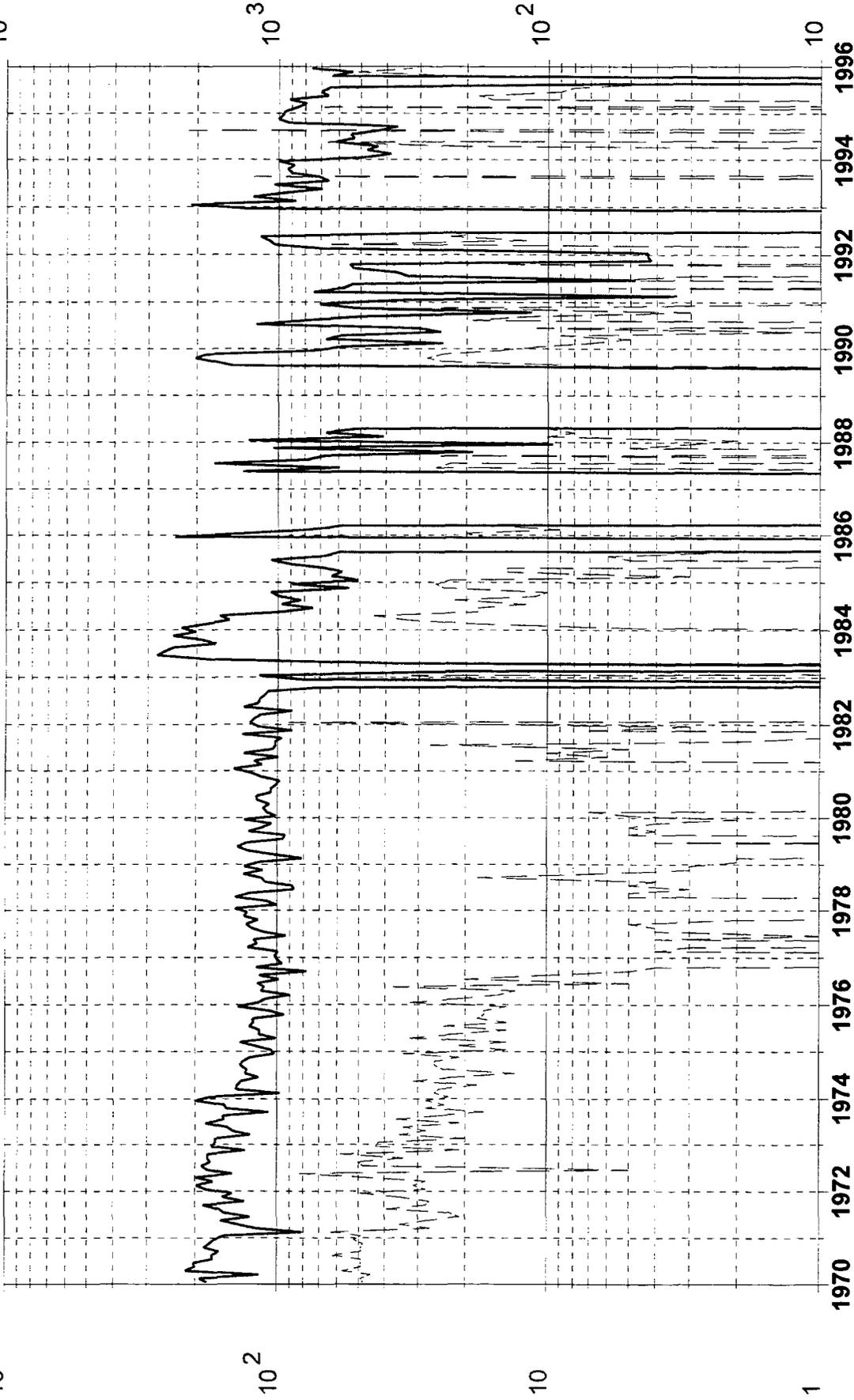
Lease: FLORANCE 000067

Retrieval Code: 251,045,27N08W19O00DK

06/18/1996

$10^4$

$10^3$



Oil (bbl/mo)

Gas (mcf/mo)

County: SAN JUAN, NM	F.P. Date: 05/67
Field: BASIN (DAKOTA) DK	Oil Cum: 7263 bbl
Reservoir: DAKOTA	Gas Cum: 387.2 mmcf
Operator: AMOCO PRODUCTION CO	Location: 190 27N 8W

DWIGHTS ENERGYDATA, INC.  
 GAS WELL HISTORY  
 NEW MEXICO GAS NORTHWEST

RUN DATE: 05/09/96  
 Published 4/96  
 (#251,045,27N08W19O00DK )

OPERATOR (#19922)	WELL NAME	WELL #
AMOCO PRODUCTION CO	FLORANCE	000067

LOCATION	STATE	DIST	COUNTY (#045)	LEASE #
190 27N 8W	NM	004	SAN JUAN	39910

API #	FIELD (#8004974)	RESERVOIR
30-045-1182200	BASIN (DAKOTA) DK	DAKOTA

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
6777	6520	6690	ELNAT	G R	0.74		1.750	

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
5705	6705	9512		ACT

BEG GAS CUM	BEG LIQ CUM
81934	2925

CUM THRU LPD GAS/MCF	GAS CUM SINCE DATE	CUM THRU LPD COND/BBLs	COND CUM SINCE DATE
387199	FPDAT	7263	FPDAT

DWIGHTS ENERGYDATA, INC.  
 AMOCO PRODUCTION CO  
 FLORANCE

RUN DATE: 05/09/96  
 Published 4/96  
 (#251,045,27N08W19000DK )

\*\*\* MONTHLY PRODUCTION HISTORY \*\*\*

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
JAN	43	355164	0	6496	31	31
FEB	679	355843	0	6496	29	29
MAR	1031	356874	64	6560	2	31
APR	1087	357961	12	6572	1	30
MAY	1164	359125	23	6595	2	31
JUN	237	359362	16	6611	6	19
JUL	0	359362	0	6611	0	0
AUG	0	359362	0	6611	0	0
SEP	9	359371	0	6611	0	-
OCT	0	359371	0	6611	0	0
NOV	0	359371	0	6611	0	0
DEC	1283	360654	0	6611	9	9
1992	5533	360654	115	6611	80	
JAN	2096	362750	0	6611	31	31
FEB	866	363616	0	6611	28	28
MAR	1242	364858	0	6611	31	31
APR	949	365807	0	6611	30	30
MAY	691	366498	0	6611	31	31
JUN	1038	367536	0	6611	30	30
JUL	655	368191	0	6611	31	31
AUG	709	368900	124	6735	8	31
SEP	898	369798	0	6735	30	30
OCT	923	370721	0	6735	31	31
NOV	874	371595	0	6735	30	30
DEC	994	372589	0	6735	31	31
1993	11935	(995) 372589	124	6735	342	
JAN	484	373073	0	6735	31	31
FEB	384	373457	0	6735	28	28
MAR	470	373927	0	6735	31	31
APR	430	374357	22	6757	1	30
MAY	615	374972	66	6823	4	31
JUN	527	375499	0	6823	30	30
JUL	540	376039	0	6823	31	31
AUG	427	376466	214	7037	5	18
SEP	363	376829	0	7037	30	30
OCT	917	377746	0	7037	0	31
NOV	1000	378746	0	7037	0	30
DEC	967	379713	0	7037	0	31
1994	7124	(593) 379713	302	7037	191	

DWIGHTS ENERGYDATA, INC.  
AMOCO PRODUCTION CO  
FLORANCE

RUN DATE: 05/09/96  
Published 4/96  
(#251,045,27N08W19O00DK )

\*\*\* MONTHLY PRODUCTION HISTORY \*\*\*

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
JAN	948	380661	0	7037	0	31
FEB	854	381515	68	7105	0	28
MAR	791	382306	0	7105	0	31
APR	911	383217	16	7121	0	27
MAY	657	383874	18	7139	0	31
JUN	697	384571	9	7148	0	30
JUL	645	385216	8	7156	0	31
AUG	59	385275	4	7160	0	2
SEP	0	385275	0	7160	0	0
OCT	633	385908	20	7180	0	29
NOV	536	386444	51	7231	0	30
DEC	755	387199	32	7263	0	31
1995	7486	(623) 387199	226	7263	0	

District I - (305) 393-6161  
PO Box 1980  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV

New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Originated 11/1/95

Submit Original  
Plus 2 Copies  
to appropriate  
District Office

APPLICATION FOR  
QUALIFICATION OF WELL WORKOVER PROJECT  
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Amoco Production Company OGRID #: 000778

Address: P.O. Box 800, Denver, Colorado 80201

Contact Party: Patricia J. Haeefe Phone: (303) 830-4988

II. Name of Well: Florance #67 API #: 3004511822

Location of Well: Unit Letter Q, 1135 Feet from the South line and 1850 Feet from the East line, Section 19, Township 27N, Range 8W, NMPM, San Juan County.

III. Date Workover Procedures Commenced: 8/3/95

Date Workover Procedures were Completed: 8/25/95

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.

V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.

VI. Pool(s) on which Production Projection is based:

Basin Dakota

VII. AFFIDAVIT:

State of Colorado )

) ss.

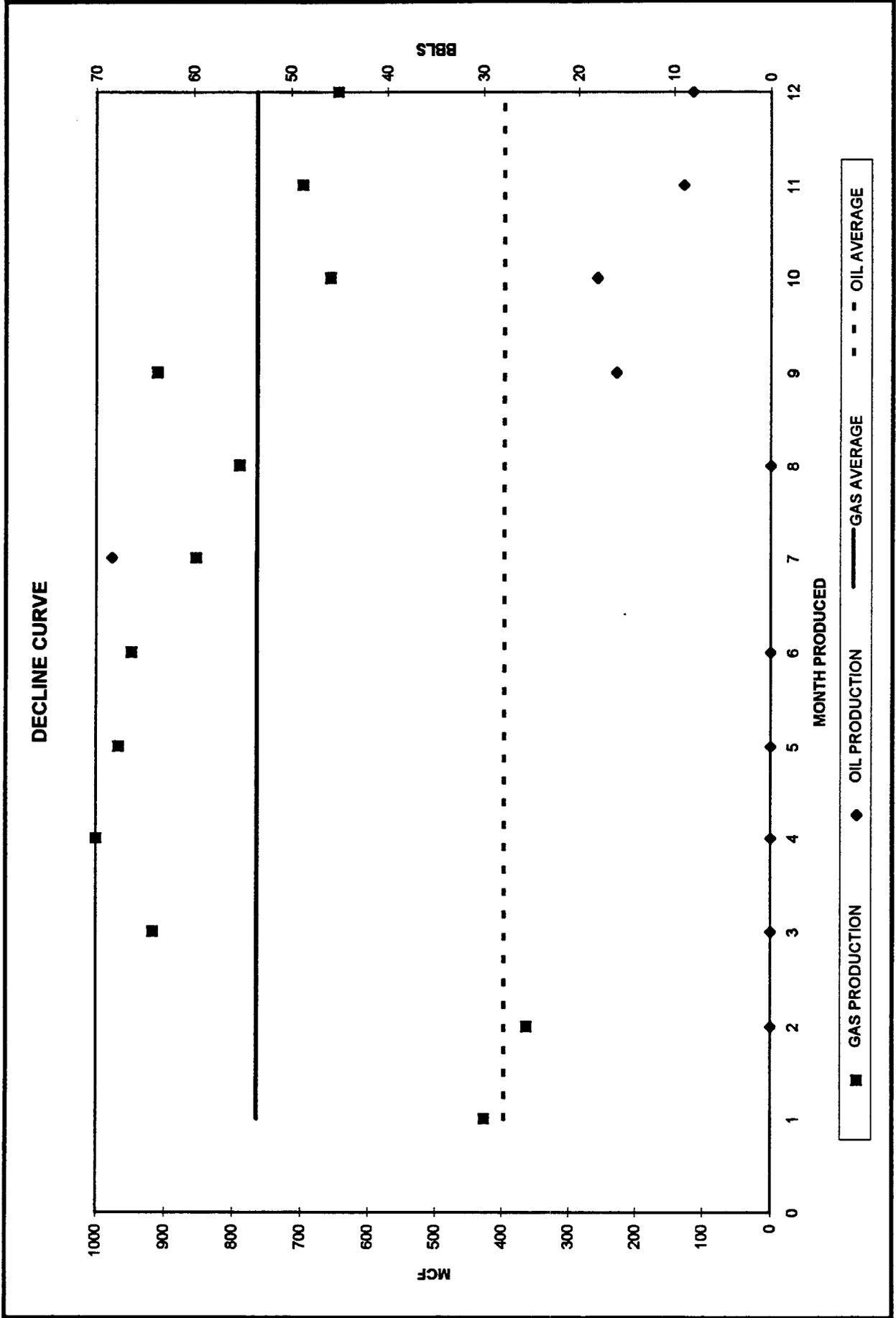
County of Denver )

Patricia J. Haeefe, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Patricia J. Haeefe  
(Name)  
Staff Assistant  
(Title)

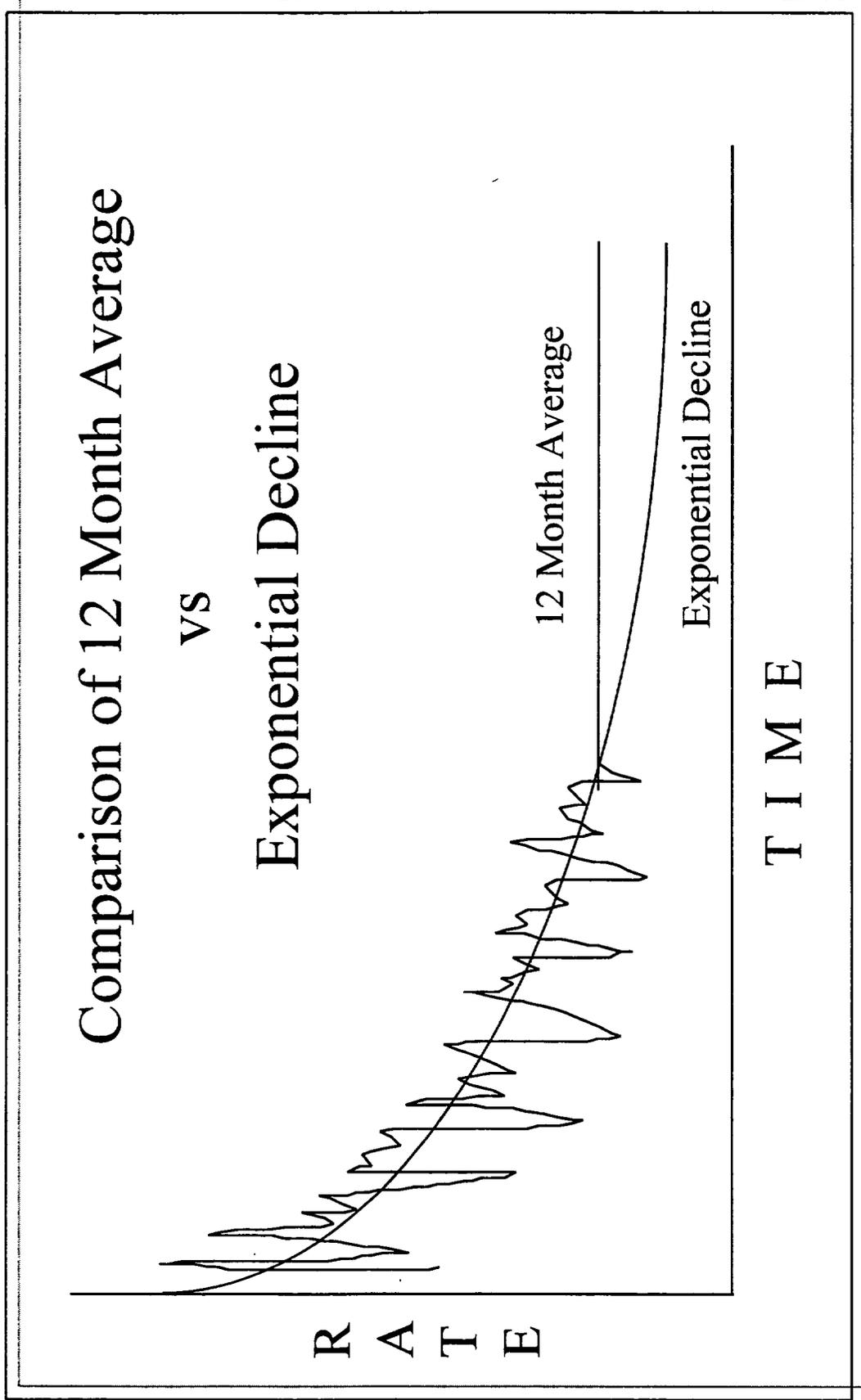
FLORENCE 67



Fiorance 67

WELLNAME	WELLNO	POOL	FLAC	API	LOCATION	MONTH	OIL	GAS
Fiorance	67	Basin Dakota	979008	300451822	Unit O 19-27N-8W	08/94	214	427
						09/94	0	363
						10/94	0	917
						11/94	0	1000
						12/94	0	987
						01/95	0	948
						02/95	65.35	854
						03/95	0	791
						04/95	16	911
						05/95	18	657
						06/95	9	697
						07/95	8	645
12-month average - Projected Trend							28	765

# Production Projection Method



# 12 Month Average

## Production Projection Method

- Reasonable estimate of the productive capacity of the well.
- Less subjective than estimated decline.
- Simple for operator to determine.
- Easy for NMOCED to verify and certify.
- Easy to manage in dual tax rate accounting.
- Limits the amount of production which will qualify for the Incentive Tax Rate.