

AMOCO PRODUCTION COMPANY

Application for Qualification of Well Workover Project

Canyon No. 5 Well

NMOCD CASE NO. 11555 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

JEFFERSON PLACE
SUITE I - 110 NORTH GUADALUPE
POST OFFICE BOX 220B

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 Canyon No. 5 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,

WILLIAM F. CARR

WFC:jar Enclosures

cc:

Eliciosures

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.

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 Canyon No. 5, Unit O, 800 feet from the South line and 1840 feet from the East line, Section 3, Township 25 North, Range 11 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 APPLICATION,

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.

Bv: ~

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 Canyon No. 5, Unit O, 800 feet from the South line and 1840 feet from the East line, Section 3, Township 25 North, Range 11 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 ______ of ______, New Mexico.

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 Canyon #5 O-3-25N-11W 30-045-21315

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,

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

Operator:

Amoco Production Company

I.

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

OGRID #:

000778

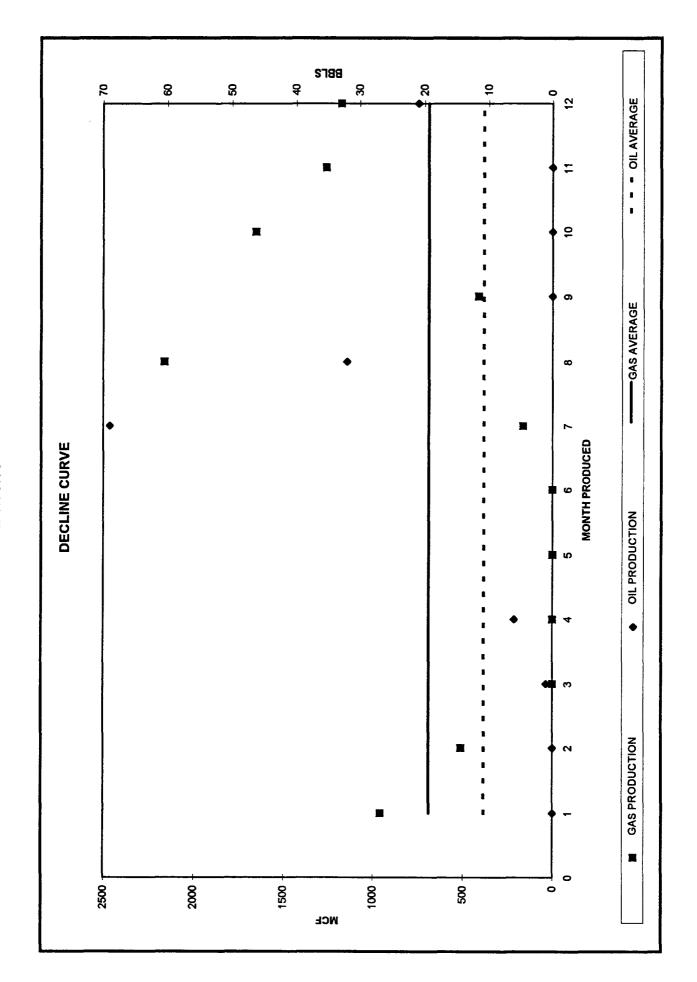
APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL

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

	Address:	P.O. Box 800, Denver, Colo	orado 80201		
	Contact Party:	Patricia J. Haefele		Phone:	(303) 830-4988
II.			om the <u>South</u> line and <u>1840</u> F	API #:	3004521315 on <u>3</u> , Township <u>25N</u> ,
III.		Procedures Commenced: Procedures were Completed:	7/13/95 8/4/95		
IV.	Attach a descrip	tion of the Workover Procedu	res undertaken to increase the	projection from the Well.	
V.	showing monthl	ly oil and/or gas Project Prod	f the Well (a production decl duction) based on at least twe well performance prior to perfo	elve (12) months of establish	
VI.	Pool(s) on which	h Production Projection is base	ed:		
	Basin Dakota			DEGE	<i>a</i> ~ _
VII.	AFFIDAVIT:			DECES	
	State of Colorad	<u>o</u>)) ss.		O[[] GO[]. [] DIST. 3	
	County of Denv	<u>er</u>)			DIV.
	Patricia J. Haefe	le, being first duly sworn, upo	on oath states:		
	1. I am the Op	erator or authorized represent	tative of the Operator of the ab	ove referenced Well.	State of the second
		e, or caused to be made, a dilig relevant to the production his	gent search of the production restory of this Well.	ecords which are reasonably	available and contain
		- -	sed to prepare the Production und petroleum engineering pri	•	omplete and accurate

(Name) Staff Assistant

(Title)



Page 1

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GAS													
ఠ	0	0		8	0	0	69	32	0	0	0	21	11
MONTH	7/31/94	8/31/94	9/30/94	10/31/94	11/30/94	12/31/94	1/31/95	2/28/95	3/31/95	4/30/95	5/31/95	6/30/95	are Trend
QQSTR	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	97925101 30045213 SWSE0003025011	12-month average - Future Trend
API	30045213	30045213	30045213	30045213	30045213	30045213	30045213	30045213	30045213	30045213	30045213	30045213	
FLAC	97925101	97925101	97925101	97925101	97925101	97925101	97925101	97925101	97925101	97925101	97925101	97925101	
POOL	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	BASIN-DAKOTA-GAS	
WELLNO	005003	005003	005003	005003	005003	005003	005003	005003	005003	005003	005003	005003	
WELLNAME	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	CANYON #05	

Form 3160-5 (June 1990)

UNI._D STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

BUREA	U OF LAND MANAGEMENT	Expires: March 31, 1993
Do not use this form for prop	RECEIVED TICES AND REPORTS ON WELLS ROOM osals to drill or to deepen or reentry to a different reservoir. ATION FOR PERMIT - " for such frograms 8 PM 2: 19	5. Leaso Designation and Serial No. NOO C 14 20 3597 8. If Indian, Allottoe or Tribe Name
	070 FARMINGTON, NM	: 7. If Unit or CA, Agreement Designation
1. Type of Well Oil Ges Well Well Other		S, Weil Name and No.
2. Name of Operator	Attention:	Canyon 5
Amoco Production Company	Patty Haefele	9. API Well No.
3. Address and Talephone No.	(220) 200 4200	3004521315
P.O. Box 800, Denver, Colorad	0 80201 (303) 830-4988	10, Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or	Survey Description	Basin Dakota
800' FSL 1840' FEI	Sec. 3 T 25N R 11W Unit O	11. County or Parish, State San Juan New Mexico
12. CHECK APPROPRI	ATE BOX(s) TO INDICATE NATURE OF NOTIC	E , REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACT	ION
Notice of Intent Subsequent Report Finel Abandonment Notice	Rec	Change of Plane New Construction Non-Routine Fracturing Water Shul-Off Conversion to Injection Dispose Water te: Report results of multiple completion on Well Completion or ompletion Report and Log form.)
	Clearly state all pertinent details, and give pertinent dates, including estimated date of vertical depths for all markers and zones pertinent to this work.]*	starting any proposed work . If wall is directionally drilled, give
Amoco Production Company	has performed the following work:	

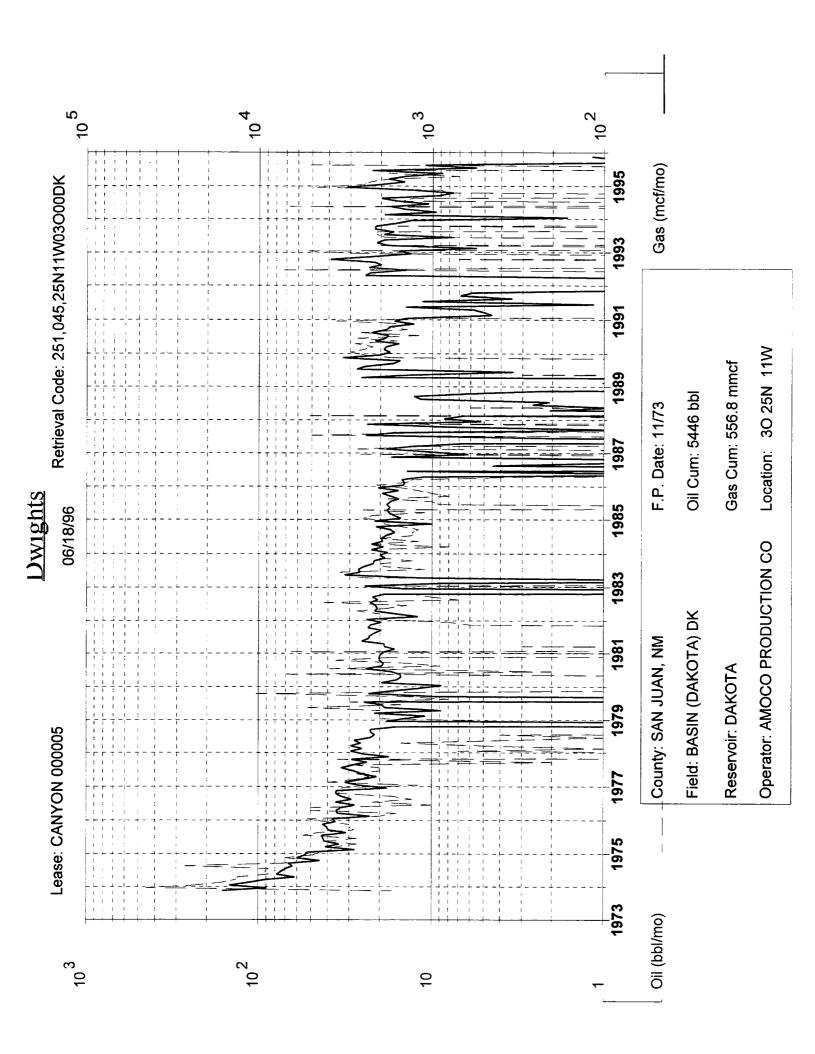
On 7/13/95, MIRUSU. Set RBP at 5825'. Dump sand in hole. Press test to 700#, failed. Perf Dakota 5780' - 5786' with 2 JSPF, diameter .450", total of 12 shots. Set packer and frac Dakota. Frac failed, packer failure. TOH with packer. TIH, set RBP at 5659'. With packer, isolate leaks 3951-4015 ft. Squeeze with 150 sacks of 65/35 cement. Set RBP at 2495 ft. Test casing to 1000 psi, held. Run CBL 2495 to surface. TOC 1200 ft. Perf with 2 shots at 1180 ft. Circulate dye water out bradenhead. Squeeze with 190 sx of 65/35 plug 50 sx of Class B neat. Circ to surface and squeeze to 500 psi. WOC. Drill out cement 1047-1186 ft, test to 500 psi, held. Retrieve RBP. Drill cement 3702-3892, test to 500 psi, failed. Spot 95 sx of Class B neat and squeeze 1 bbl into leak. WOC. Tag top of cement at 3041 ft. Drill out cement to 4119 ft. Test to 500 psi, held. Clean out and spot acid on perfs. Set packer at 5657 ft. Frac with feam pad 10,100 scf, 70 quality foam; frac fluid 45,600 scf of 70 quality foam and 50,000 lbs of 20/40 sand. Shut in well. Cleanout to 5903 ft. Land tubing at 5828 ft. RDSUMO 8/4/95.

112001110 0, 1,000.				•
(Revision of undated subsequent sent by	L. Raeburn)			
	•			
	SRBU			
14.3 hereby certify that the foregoing is true and correct	RECEIVED			
Signed Patty Halfele	SEP 2 2 1995 —	Staff Assistant	Date	09-15-1995
(This space for Federal or State office use)		ACCEPT	ED FOR R	FCORD
ŭ	ADMINISTRATIVE GROUP			
Approved by Conditions of approval, if any:	Title	SE	P 1 8 1995	
Title 18 U.S.C. Section 1001, makes it a crime for any person know representations as to any matter within its jurisdiction.		i Akming i U	K'DISTRICT	"OFFICE" "
	The second secon	23.17		

NMOCD Case No. 11555 Canyon #5 Well

Orig. Compl. 1973 in Basin Dakota. Workover 7/13/95 - 8/4/95 Re-perf and Frac Basin Dakota.

* Avg 12 month production is in error (used Gallegos #8 well by mistake). Should be 1627 mcf/mo (based on Dwight's data 7/94-6/95)



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

RUN DATE: 05/09/96 Published 4/96 (#251,045,25N11W03000DK)

OP	ERATOR (#	 19922)			WELL N	AME		WELL #
AMOCO 1	PRODUCTIO	N CO	CANY	CON				000005
LOCA	ATION	STATE	DIST	COUN	TY (#04	5)	 L	EASE #
30 2!	5N 11W	NM	004	SAN JU	/N		3	9832
Al	PI #	F		3004974)			RESE	
30-045	-2131500	BASIN (DAI	KOTA) DE	ζ		DAI	KOTA	
TOTAL DEPTH	UPPER PERF			LIQ GATH	GAS GRAV	LIQ GRAV		
5940	5837	5847	WFS	G R	0.73		1.750	0.750
COMP DATE 7309	1	ST PROD DATE 7311		LAST PRODATE DATE 9511		STAT	rus	STATUS ACT
CUM TH	RU LPD		AS CUM ICE DATE	• E	CUM THE			COND CUM SINCE DATE
5	556820		PDAT	•		5446		FPDAT

RUN DATE: 05/09/96 Published 4/96 (#251,045,25N11W03000DK)

*** MONTHLY PRODUCTION HISTORY ***

		I GAS	COND	CUM COND	WATER	DAYS
MONTH	MCF M	ICF	BBLS	BBLS	BBLS	ON
JAN	43	488419	0	4872	0	31
FEB	41	488460	0	4872	0	29
MAR	43	488503	0	4872	0	31
APR	2451	490954	0	4872	0	30
MAY	2292	493246	0	4872	0	31
JUN	1420	494666	72	4944	0	30
JUL	2335	497001	1	4945	0	31
AUG	1978	498979	0	4945	0	21
SEP	2178	501157	0	4945	0	30
OCT	3897	505054	7	4952	0	31
NOV	2188	507242	0	4952	0	30
DEC	1332	508574	27	4979	0	31
1992	20198	508574	107	4979	0	
JAN	1579	510153	52	5031	0	31
FEB	555	510708	0	5031	0	28
MAR	1810	512518	20	5051	0	24
APR	2109	514627	0	5051	0	30
MAY	1904	516531	0	5051	0	30
JUN	758	517289	19	5070	0	12
\mathtt{JUL}	1911	519200	21	5091	0	31
AUG	1684	520884	21	5112	0	31
SEP	2154	523038	0	5112	0	30
OCT	2140	525178	16	5128	0	31
NOV	1620	526798	0	5128	0	30
DEC	1337	528135	0	5128	0	31
1993	19561 (1630)	528135	149	5128	0	
JAN	164	528299	0	5128	0	31
FEB	1894	530193	0	5128	0	28
MAR	951	531144	0	5128	0	31
APR	1428	532572	0	5128	0	28
MAY	1748	534320	67	5195	0	31
JUN	1053	535373	0	5195	0	10
JUL	1610	536983	15	5210	0	31
AUG	1989	538972	13	5223	0	31
SEP	920	539892	0	5223	0	30
OCT	760	540652	8	5231	0	31
NOV	1287	541939	9	5240	0	30
DEC	3154	545093	47	5287	0	31
1994	16958 (1413)	545093	159	5287	0	

DWIGHTS ENERGYDATA, INC. AMOCO PRODUCTION CO CANYON

RUN DATE: 05/09/96 Published 4/96 (#251,045,25N11W03000DK)

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLS	CUM COND BBLS	WATER BBLS	DAYS ON
JAN	2007	547100	25	5312	0	31
FEB	1456	548556	23	5335	0	28
MAR	1792	550348	18	5353	0	31
APR	1432	551780	7	5360	0	30
MAY	874	552654	18	5378	0	31
JUN	2237	554891	17	5395	0	30
JUL	555	555446	0	5395	0	12
AUG	1102	556548	51	5446	0	-
SEP	72	556620	0	5446	0	30
OCT	82	556702	0	5446	0	25
NOV	118	556820	0	5446	0	30
1995	11727	(1066) 556820	159	5446	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

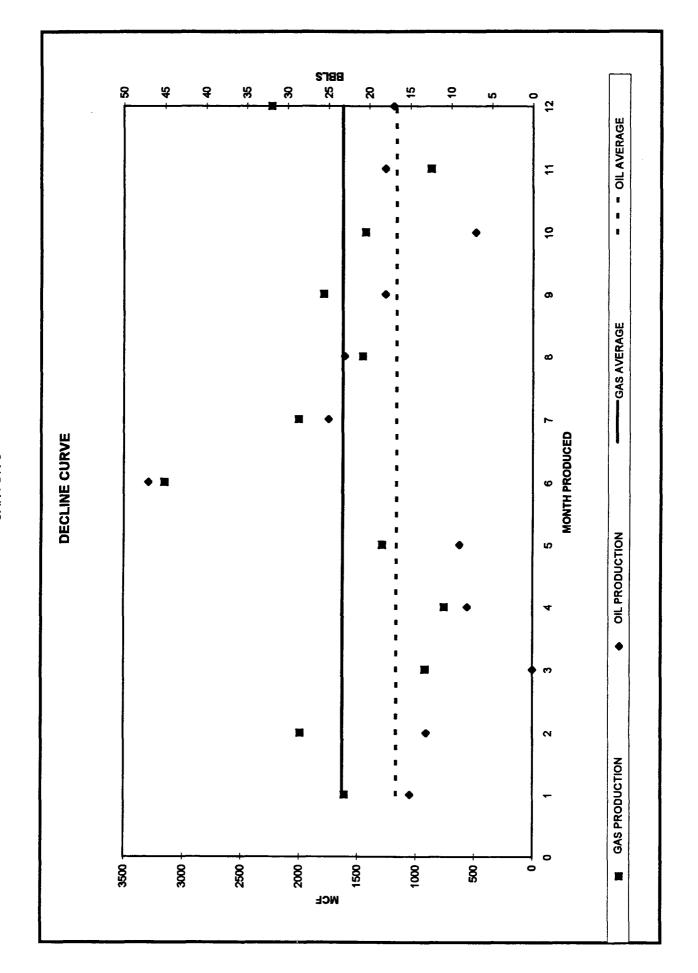
THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I.	Operator:	Amoco Production Company	,	OGRID #:	000778
	Address:	P.O. Box 800, Denver, Color	rado 80201		
	Contact Party:	Patricia J. Haefele		Phone:	(303) 830-4988
П.			om the <u>South</u> line and <u>1840</u> Feet from the <u>Eas</u>	API #: t line, Section	3004521315 on 3, Township 25N,
III.		Procedures Commenced: Procedures were Completed:	7/13/95 8/4/95		
IV.	Attach a descrip	tion of the Workover Procedur	res undertaken to increase the projection from t	he Well.	
V.	showing monthl	y oil and/or gas Project Produ	the Well (a production decline curve or oth uction) based on at least twelve (12) months ell performance prior to performing Workover	of establishe	•
VI.	Pool(s) on which	n Production Projection is base	d:		
	Basin Dakota				
VII.	AFFIDAVIT:				
	State of Colorad	-			
	County of Denv) ss. rer)			
	Patricia J. Haefe	<u>le,</u> being first duly sworn, upor	n 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. Haefele
(Name)
Staff Assistant
(Title)

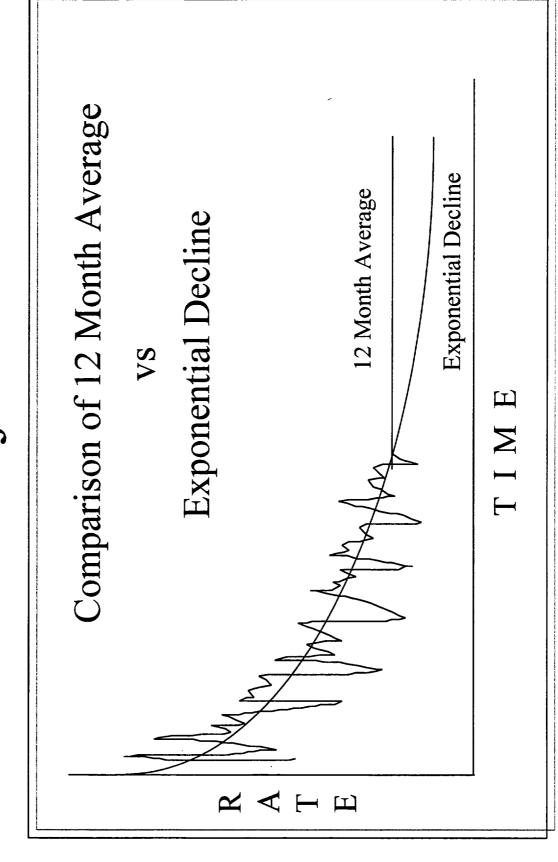
SUBSC	RIBED AND SWORN TO before me this 25th day of April , 1994.
My Cor	Notary Public Minission expires: August 12, 1999
FOR O	IL CONSERVATION DIVISION USE ONLY:
VIII.	CERTIFICATION OF APPROVAL:
	This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of, 19
	District Supervisor, District
	Oil Conservation Division
	Date:
IX.	DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.
	DATE:



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Production Projection Method



Production Projection Method 12 Month Average

- Reasonable estimate of the productive capacity of the well.
- Less subjective than estimated decline.
- Simple for operator to determine.
- Easy for NMOCD 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.