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Land Office
079319
Lease No.
Schwerdtfeger
Unit

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

D REPORTS ON WELLS
SUBSEQUENT REPORT OF WATER SHUT-OFF
SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
SUBSEQUENT REPORT OF ALTERING CASING.
SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.
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By ORIGINAL SIGNED E. J. COEL

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			Pesstron	Petroleum Engineer
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Nice Box 997, Parnington, N.M.

#### DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

April 19, 1957

El Page Ngtural Gas Company P. O. Bex 997 Fermington, New Mexico

Attention: Mr. E. J. Coel

Administrative Order NSL-100

Gentlemen:

Reference is made to your application for approval of an unorthodox well location for your Schwerdtfeger "A" Well No. 9 (PM), to be located 1190 feet from the North line and 654 feet from the East line and in the NE/4 NE/4 of Section 31. Township 28 North, Range 8 West, Blanco Mesaverde Gas Pool, San Juan County, New Mexico.

It is our understanding that this unorthodex well location is based upon extreme topographic conditions in the NE/4 of said section.

Insemuch as there are no other affected offset operators, it is possible for immediate approval to be granted. Therefore, by authority granted me under provisions of Section 1 (c) of the Special Rules and Regulations of the Blanco Mesaverde Gas Pool, as set forth in Order R-110 as amended by Order R-397, you are hereby granted an exception to Section 1 (c) of Order R-110 as amended by Order R-397 for the above described unorthodex well location. You must also obtain like approval from the U. S. Geological Survey.

Very truly yours,

A. L. PORTER, Jr., Secretary-Director

cc Oil Conservation Commission - Aztec -USGS-Farmington



ga

### El Paso Natural Gas Company

El Paso, Texas

April 16, 1957

DIRECT REPLY TO:
P. O. BOX 997
FARMINGTON, NEW MEXICO

Mr. A. L. Porter, Secretary and Director Oil Conservation Commission Box 871 Santa Fe, New Mexico

Dear Mr. Porter:

This is to request administrative approval of an unorthodox location to be located in the Blanco Mesa Verde and South Blanco Pictured Cliffs Pools.

The well, our Schwerdtfeger No. 9-A (FM), is to be dual completed in the Pictured Cliffs and Mesa Verde formations. It is located 1190 feet from the North line and 654 feet from the East line of Section 31, Township 28 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. The E/2 of the section is dedicated to the Mesa Verde formation and the NE/4 of the section is dedicated to the Pictured Cliffs formation. The major portion of the NE/4 of the section consists of high sandstone bluffs and ridges. It was necessary to put the location on the edge of a mesa since the cost of an orthodox cut from the bluffs and ridges would be extremely expensive.

Since El Paso Natural Gas Company holds the lease in the NW/4 Section 32, Township 28 North, Range 8 West, the approval of other operators has not been sought.

I am enclosing two copies of the Certified Well Location Plat sketching the terrain conditions and two copies of our Intention to Drill.

Yours very truly.

ORIGINAL SIGNED E. J. COEL

E. J. Coel Senior Petroleum Engineer

EJC/gks Encl.





#### (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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El Paso Natural Gas Company

Address

Box 997

Farmington, New Mexico

By Original Street TWE! I. N. WA'SH

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APRIL 15, 1957

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Sees Original Signed EWILL N. WA'SH

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Company El Paso Natural Cas Compan	NY
Address Box 997	
	By Original Signed D. C. Johns'on
Parmington, New Mexico	Ву
	Title Fetroleum Engineer
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		Budget Bureau No. 42-R358.4.
Form 9-831a (Feb. 1951)		Approval expires 12-31-60.
(SUBM	IT IN TRIPLICATE)	Land Office Senta Fe
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Company

Address Box 997

Farmington, New Mexico By

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(Feb. 1951)						
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#### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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Lease No.	. 079319
Unit	Schwerdtfege

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#### (SUBMIT IN TRIPLICATE)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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# New Mexico OIL CONSERVATION COMMISSION Aztec, New Mexico

November 4, 1957

El Paso Natural Gas Company Box 997 Farmington, New Mexico

Att: Mr. E. S. Oberly

Re: El Paso Nat. Gas Co. #9-A Schwerdtfeger NE: Section 31-28N-6W, San Juan Co.

#### Gentlemen:

This letter will serve as your tentative approval for the dual completion of the above well as a gas-gas dual in the Pictured Cliffs and Mesaverde Formations.

It is understood the well will be equipped as set out in your application. Upon final completion, application for administrative approval should be made to Mr. A. Z. Porter in Santa Fe,

Yours very truly

Emery C. Arnold Supervisor, District #3

ECA aks

cc: Mr. A. L. Porter CCC, Santa Fe, N.H.

Order No. DC-527

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS SCHWERDTFEGER WELL NO. 9-A (PM) LOCATED IN THE NE/4 NE/4 OF SECTION 31, TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO, TO PRODUCE GAS FROM THE SOUTH BLANCO-PICTURED CLIFFS POOL AND GAS FROM THE BLANCO MESAVERDE POOL.

#### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c), El Paso Natural Gas Company, made application to the New Mexico Oil Conservation Commission on November 14, 1957, for permission to dually complete its Schwerdtfeger Well No. 9-A (PM), located in the NE/4 NE/4 of Section 31, Township 28 North, Range 8 West, NMPM, San Juan County, New Mexico, to produce gas from the South Blanco-Pictured Cliffs Pool and gas from the Blanco Mesaverde Pool.

Now, on this 14th day of November, 1957, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Subsection 'c' of Rule 112-A of the Commission's Rules and Regulations;
- (2) That the applicant is the owner of all offsetting acreage and that therefore no waiting period is necessary.
- (3) That the proposed dual completion will not cause waste nor impair correlative rights.
- (4) That the amechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREFORE ORDERED:

That the applicant herein, El Paso Natural Gas Company, be and the same is hereby authorized to dually complete its Schwerdtfeger Well No. 9-A (PM), located in the NE/4 NE/4 of Section 31, Township 28 North, Range 8 West, NMPM, San Juan County, New Mexico, to produce gas from the South Blanco-Pictured Cliffs Pool and gas from the Blanco Mesaverde Pool, through the casing-tubing annulus and the tubing respectively.

PROVIDED HOWEVER. That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well-bore, either within or outside the casing, of gas, oil and gas, or oil produced from either or both of the separate strata,

PROVIDED HOWEVER. That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks exist. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission copies of Oil Conservation Commission Form C-103, Form C-104, Form C-110, and Form C-122, outlining the information required on those forms by existing Rules and Regulations, and two copies of the electric log of the well.



PROVIDED FURTHER. That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil or gas-liquid ratio thereof determined, and

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Deliverability Test Period for the Blanco Mesaverde Pool, commencing in the year 1958, and whenever the packer is disturbed, but not excluding any other tests and/or determinations as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of offset operators if any there be at their election, and the results of each test, properly attested to by the applicant herein and all witnesses, shall be filed with the Commission within fifteen (15) days after the completion of such tests, and further, that applicant shall file with the Commission in duplicate a packer-setting affidavit, which affidavit shall be due within fifteen (15) days of the dual completion or whenever the packer is disturbed, and

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas-oil ratio or gas-liquid ratio, and reservoir pressure determination for each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr., SECRETARY - DIRECTOR El Paso Natural Gas Company of the Company

November 5, 1957

DIRECT REPLY TO: P. O. BOX 897 FARMINGTON, NEW MEXICO

Mr. A. L. Porter Secretary and Director Oil Conservation Commission Box 871 Santa Fe, New Mexico



Dear Sir:

This is a request for administrative approval for a well dually completed in the South Blanco Pictured Cliffs and the Blanco Mesa Verde Pools. The El Paso Natural Gas Company Schwerdtfeger No. 9-A (PM) is located 1190 feet from the North line and 654 feet from the East line of Section 31, Township 28 North, Range 8 West, N.M.P.M., San Juan County, New Mexico.

This well has been completed in the Point Lockout section of the Mesa Verde and in the Pictured Cliffs formation. Completion has been accomplished in the following manner:

- 1. 10 3/4" surface casing set at 173 feet with 150 sacks of cement circulated to the surface.
- 2. 7 5/8" intermediate casing set at 5118 feet and cemented with a two stage cementing procedure, 150 sacks at the base of the casing and 150 sacks across the Pictured Cliffs formation.
- 3. 5 1/2" liner set from 5068 feet to 5465 feet with 110 sacks of cement. The top of the liner was squeezed with 50 sacks of cement.
- 4. The casing and liner were tested for leaks before perforating.
- 5. The Point Lookout section was perforated in five intervals and fractured with water and sand.
- 6. The Pictured Cliffs formation was perforated in one interval and fractured with water and sand.
- 7. All perforations were cleaned after treatment and completion was accomplished by setting a Baker Model "EGJ" production packer on 2" EJE tubing at 5155 feet with the tubing perforations set opposite the Point Lookout perforations. 1 1/4" Grade "B" line pipe was run, with the tubing perforations set opposite the Pictured Cliffs perforations, as a siphon string. The Point Lookout gas will be produced through the 2" tubing and the Pictured Cliffs gas through the casing.



- b. A Garrett circulating sleeve was installed in the 2 EUE tubing string just below the Pictured Cliffs perforations. This will enable the bottom hole pressure tests to be taken at a future date if so required.
- 9. Initial potential tests have been run and commercial production has been found in both somes. A packer leakage test has been run and witnessed by a member of the Aztec office of the Oil Conservation Commission. This test shows no communication in the well bore between the two producing formations.

Administrative approval is requested for the dual completion to allow production from both known producing formations, eliminating the high initial cost of drilling two separate wells.

Since El Paso Natural Gas Cumpany holds all leases immediately adjacent to the crilling block, the approval to dually complete has not been sought from any other operator. Enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.(b) Two copies of the affidavit from the packer setting company stating
- that the packer used was set at the depth shown.
- (c) Two copies of the packer leakage test as observed by a member of the Oil Conservation Commission.
- (d) Two copies of the initial potential test showing commercial production from the two formations.

It is intended to dedicate the E/2 of Section 31, Township 20 North, Range b West to the Mesa Verde formation and the NE/4 of Section 31, Township 20 North, Range 8 West to the Pictured Cliffs formation.

Any further information required will be furnished upon your request. Thank you for your consideration in this matter.

> Yours very truly, ORIGINAL SIGNED E.S. OBERLA

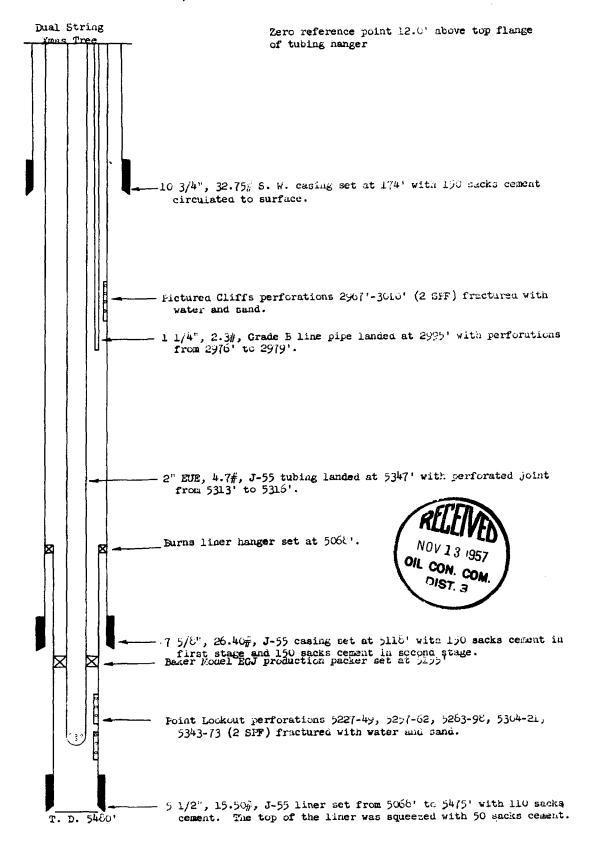
E. S. Oberly Division Fetroleum Engineer

BSO/dgb Encl.

cc: Emery Arnold Sam Smith Phil McGrath



### SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Schwerdtfeger No. 9-A (PM) NE/4 of Section 31, T-32-N, R-/-W



STATE OF HEN MEXICO )
COUNTY OF SAN JUAN )

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on October 9, 1957, I was called to the location of the El Paso Hatural Gas Company Schwerdtfeger 9-A (PM) Well located in the HE/4 of Section 31, Township 28 Horth, Range 8 West; H.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model EGJ Production Packer was set in this well at 5155 feet in accordance with the usual practices and customs of the industry.

mack M. makoffy

Motary Public in and for San Juan County,

My commission expires February 24, 1960.



#### EL PASO NATURAL GAS COMPANY

P. O. Box 997 Farmington, N.M.

October 29, 1957

Mr. E. C. Arnold Oil Conservation Commission 120 East Chaco Aztec, New Mexico

Re:

Packer Leakage Test on the El Paso Natural Gas Company Well, Schwerdtfeger No. 9-A (PM) 1190'N, 654'E, Sec. 31-28-8, San Juan County New Mexico.

#### Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 5155 feet. The Pictured Cliffs zone was tested through a  $3/4^{\rm m}$  choke for three hours October 16, 1957 with the following data obtained:

Pictured Cliffs SIPC - 768 psig; shut-in 7 days Pictured Cliffs SIPT - 768 psig

Mesa Verde SIPT - 1013 psig; shut-in 7 days

Time Minutes	PC Flowing Pressure Casing Psig	MV SIPT Psig	PC Working Pressure, Psig	Temp ° F
15	632	1014		61
30	609	1015		62
45	594	1015		63
60	574	1015	<b>5</b> 87	6 <b>5</b>
120	512	1015	525	66
180	477	1016	492	6 <b>8</b>

The choke volume for the Pictured Cliffs was 6065 MCF/D with an A.O.F. of 9601 MCF/D.

The Mesa Verde zone was tested October 28, 1957 with a 3/4" choke for three hours with the following data obtained:

Pictured Cliffs SIPC - 804 psig; shut-in 12 days

Pictured Cliffs SIPT - 804 psig

MesaVerde SIPT - 1044 psig; shut-in 19 days

Time Minutes	MV Flowing Pressure Tubing Psig	PC SIPC Psig	MV Working Pressure, Psig	Temp ° F
15	<b>5</b> 79	804		59
30	504	804		61
45	481	804		61
60	477	805		61
120	449	805		62
180	432	805	Calculated 880	64

The choke volume for the Mesa Verde test was 5301 MCF/D with an A.O.F. of 13,544 MCF/D.

The results of the above tests indicate there is no packer leakage.

Very truly yours,

R. R. Davis

Gas Engineer

RRD/jla

cc: E:+J:+Goel;+J::+:+ W. M. Rodgers

E. S. Oberly (6)

File

#### EL PASO NATURAL GAS COMPANY GAS WELL TEST

Committee of the same

Mr. E. E. Alsup To:

Date:

October 28, 1957

Gas Engineering Department

Place: Farmington, New Mexico

#### DUAL COMPLETION

Subject:

Test data on the Schwerdtfeger No. 9-A (M), San Juan County, New Mexico

Tested By: R. R. Davis ...... Sec. 31 28N 8W, . 1190'N. 654'E P.C. SIPC 804 P.C. SIPT 804 M.V. SIPT 1044 5301 MCF/D ₹ 14.7 psia and 60° F. for 0.6 gravity gas. Flow through tubing for 3 hours. MCF/D Field ..... Blanco H2S ...... Sweet to lead acetate.

Final SIPC (PC) - 805 psig. Packer at 5155'. Sleeve at 3009'

cc: D. H. Tucker

Bill Parrish

+844.46444

Dean Rittmann

+####### +640.146444 E. S. Oberly (6) Samuel Smith

W. M. Rodgers

Wayne Cheek

**Drilling Department** 

B. D. Adams

+#44444444

Jack Purvis

+++++++++

C. C. Kennedy

E. J. Cool, Jr.

A. J. Dudenhoeffer

File

Medium fog of fresh water during entire test period.

#### EL PASO NATURAL GAS COMPANY GAS WELL TEST

Mr. E. E. Alsup To:

October 16, 1957

From:

Gas Engineering Department

#### DUAL COMPLETION

Subject:

Test data on the El Paso Natural Gas Company Well, SCHWERDTFEGER NO. 9-A, San Juan County, New Mexico.

Tested By:

Robert R. Davis. Checked by: Tom Grant

28N · 1190'N, 654'E

SIPC 768 ; (Shut-in ... P.C. SIPT 768

M.V. SIPT 1013 psig

6065 MCF/D @ 14.7 psia and 60° F. for 0.6 gravity gas. Flow through casing for 3 hours.

MCF/D

Working Pressure On tubing ..... = 492

Producing Formation...... Pictured Cliffs

Stimulation Method...... Sand Water Frac.

Field ...... South Blanco

Hos ...... Sweet

Final SIPT (MV) - 1016 psig; packer at 5155; sleeve at 3009

cc: D. H. Tucker

Bill Parrish

R) M Hquqis

Dean Rittmann

THE FIRSTER

E. S. Oberly (6)

ACT PL Walker

Samuel Smith

W. M. Rodgers

Wayne Cheek

**Drilling Department** 

Light fog during test.

B. D. Adams Protond Mandelin

Jack Purvis

+441444 C. C. Kennedy

E. I. Coel. Ir.

A. J. Dudenhoeffer

File

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#### FORMATION RECORD—Continued

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### NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

(File the original and 4 copies with the appropriate district office)

### CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator_	Rl Paso Natural Gas	Company	Lease Schwerdtfeger
Well No. 9-A (PM) Un	it Letter A S 31	T 28 R 8	Pool So. Blance P. C.
County San Juan	Kind of Lea	se (State, Fed	. or Patented) Federal
If well produces oil or	condensate, give loc	ation of tanks	:Unit S T R
Authorized Transporte	r of Oil or Condensa	te <u>W1 Paso N</u>	atural Gas Products Company
Address			
(Give addr	ess to which approve	ed copy of this	form is to be sent)
Authorized Transporte	r of Gas El Paso No	atural Gas Com	pany
Address	Box 997, 1	Parmington, New	Mexico
If Gas is not being sold	ess to which approved, give reasons and a		
Reasons for Filing:(Pl			ell(x) ( ) C'head ( ) Condensate ( )
Change in Ownership	(	) Other	( ) (Give explanation below)
Remarks:  The undersigned certif mission have been com		d Regulations	NOV 29 1957 OIL CON. COM.  of the Oil Conservation Corre
Executed this the 20th	day of November	19 <u>57</u>	
		Ву	Original Signed D. C. Johnston
Approved	NOV 2 9 1957 19	Title	Petroleum Engineer
OIL CONSERVAT	TION COMMISSION	Compan	y El Paso Natural Gas Company
By Original Signed Eme	ry G. Arnold	Address	Box 997
Title Supervisor Dist. # 3		_	Farmington, New Maxieo

### NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104) Revised 7/1/57

#### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

				(Place)	Bea Marteo		(Date)
R) Pe	so Natural	L GAS CO	NG AN ALLOWABLE F Schwerdtfeg (Lea	2011 No. 9	-A. (FM), in		•
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Sen J		· · · · · · · · · · · · · · · · · · ·	County. Date Spudded	9-9-57 Total	Date Drilling 0 Depth 5480	capleted	10-3-57 C.O. 5379
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E	F G	H	Perforations 2967	Denth	Shoe_5118'	Depth Tubing	5335'
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М	N O	P	Test After Acid or Fractional Colored				Choke
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				************************************		OIL	CON. COM.
	-		mation given above is tr				DIST. B
pproved.			ном 1957, 19	. El Pase Origín	o <b>Natural Gas</b> (Company or O nal Signed D. (	perator)	(4)
O	IL CONSER	VATION	COMMISSION	By:	(Signatur	• • • • • • • • • • • • • • • • • • • •	
•	_		C Arous	1 1116	Leum Engineer Communications r	<del></del>	vell to:
itle	epervisor Dis	K. # 3		Name E. S.	Oberly		
				Address Box	997. Farming	ton. New	Mexico

### NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104) Revised 7/1/57

#### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well

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					Farmington, New Mexico Hovember 20, 1957 (Place) (Date)
					OR A WELL KNOWN AS:
El Pa	so Nat	aral (	Gas Com	any Schwerdtfe	bger , Well No. 9-A (PM) in ME 1/4 ME
	(Compan	•		, T. 284 , R. 84	, NMPM., Blanco Poc
San J	uen		····	County. Date Spudded.	9-9-57 Date Drilling Completed 10-3-57
P	lease inc	licate lo	cation:		Total Depth5480'
D	C	В	T A		(Perf.) Name of Prod. Form. Mesa Verde
			x	Perforations 53	227-5249; 5257-5262; 5283-5298; 5304-5321 343-5373
E	F	G	H	Open Hole NOOS	Depth Casing Shoe 5475' Tubing 5335'
L	K	J	I	OIL WELL TEST -	Choke
i			1.		bbls.oil,bbls water inhrs,min. Size_
M	N	0	P		cure Treatment (after recovery of volume of oil equal to volume of Choke _bbls.oil,bbls water inhrs,min. Size
				GAS WELL TEST -	
1190	'N. 65	4'E		Natural Prod. Test:	MCF/Day; Hours flowedChoke Size
Subing ,	Casing a	nd Come	ting Recor	d Method of Testing (pitot	, back pressure, etc.):
Sire	- 1	Feet	SAX	Test After Acid or Fract	cure Treatment: 13,544 MCF/Day; Hours flowed 3
10 3/	<b>ኔ</b> "	162'	150	Choke Size 3/4" Meth	od of Testing: Calculated A. O. T.
7 5/	8" 5	1081	300	1	nt (Give amounts of materials used, such as acid, water, oil, and water & 60,000 sand.
5 1/2	2"	407'	160	Casing Tubing Press. Press.	Date first new oil run to tanks
£"1/	4" 3	335:	***	1	aso Natural Gas Products Co.
Remarks	•				NGV 9 C .cm
	Bake	r "EG.	J" Packe	r at 5155'; Garrett	t Sleeve at 3009'. CON. COM.
					COM.
					ue and complete to the best of my knowledge.
Approved	d	•••••		NUV 29 1957 , 19	Kl Paso Hatural Gas Company (Company or Operator)
1	OIL C	ONSER	VATION	COMMISSION	By: Or ginal Signed D. C. Johnston
D 1'b-	ignai	Siene	d Emer	y C, Arnoid	(Signature) Petroleum Engineer Title
•					Send Communications regarding well to:
Title					Name E. S. Cherly
					Address Box 997, Farmington, New M.xico

# DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

#### December 26, 1957

El Paso Natural Gas Company Box 1492 El Paso, Texas

Attention: Mr. T. W. Bittick

Administrative Order NWU-243

Gentlemen:

Reference is made to your application for approval of a 304.80-acre non-standard gas provation unit in the Blanco Mesaverde Gas Pool consisting of the following acreage:

#### Township 28 North, Range 8 West Section 31: B/2

It is understood that this unit is to be ascribed to your Schwerdtfeger Wellino. 9-A, located 1190 feet from the North line and 654 feet from the East line of said Section 31.

By authority granted me under provisions of Rule 1 (b), Section 15 of the Special Rules and Regulations for the Blanco Mesaverde Gas Pool, as set forth in Order R-128-D, you are hereby authorized to operate the above described acreage as a non-standard gas provation unit, with allowable to be assigned thereto in accordance with pool rules, based upon the unit size of 304.80 acres.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

DSN:ong
cc: Oil Conservation Commission, Agtec /



### NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

(File the original and 4 copies with the appropriate district office)

### CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Natural C	as Company Lease Schwerdtfeger
Well No. 9-A (PM) Unit Letter A S 3	T 28 R W Pool Blanco
County San Juan Kind of Le	ease (State, Fed. or Patented) Federal
If well produces oil or condensate, give l	ocation of tanks:UnitS_T_R_
Authorized Transporter of Oil or Conden	sate El Paso Natural Gas Products Co.
Address	
(Give address to which appro	oved copy of this form is to be sent)
Authorized Transporter of Gas Rl Pase	Matural Ges Company
	7. Farmington, New Maxico
(Give address to which appro	d also explain its present disposition:
Reasons for Filing: Please check proper Change in Transporter of (Check One): C	box) New Well (X)
Change in Ownership	( ) Other ( )
Remarks:	NOV 2 10 1957  CL. CON. COM.  PLST. 3
The undersigned certifies that the Rules mission have been complied with.	and Regulations of the Oil Conservation Com-
Executed this the 20th day of November	19_57
	By Original Signed D. C. Johnston
Approved DEC 26 1957 19	Title Petroleum Engineer
OIL CONSERVATION COMMISSION	Company El Paso Natural Gas Company
By Original Signed Emery C. Arnold	Address Box 997
Title Supervisor Dist. # 3	Farmington, New Mexico

#### OIL CONSERVATION COMMISSION

BOX 697

#### 120 EAST CHACO

#### AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

	71.7	1059
	DATEJuly 3	3, 1958
THIS IS TO NOTIFY THE OIL CONSERVATION EL Paso Na	ON COMMISSION THAT CONNECTION  tural Gas Company  OPERATOR	FOR THE PURCHASE OF GAS FROM
	OPERATOR	
Schwerdtfeger : "9-A (P)	"A" WELL UNIT	31-28-8 S-T-R
South Blanco Pictured Cliff	El Paso Natural Ga	s Company Purchaser
WAS MADE ON June 27, 1958	, first delivery <u>July</u>	1, 1 958
AOF 9,601 Choke 6,065 INITIAL POTENTIAL		
	El Paso Natura	d Gas Company
	REPRESENTATIVE	Joseph
	Chief Dispato	her

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS Delhi-Taylor Oil Corporation

FILE

#### OIL CONSERVATION COMMISSION

BOX 697

#### 120 EAST CHACO

#### AZTEC, NEW MEXICO

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	DATE	July 3, 1958
THIS IS TO NOTIFY THE OIL CONSERVATION		FOR THE PURCHASE OF GAS FROM
THEEL	Paso Natural Gas Company OPERATOR	
Schwerdtfeger #9-A (M)	"A" WELL UNIT	31-28-8 S-T-R
Blanco Mesa Verde	El Paso Natural G	
POOL		PURCHASER
WAS MADE ON June 27, 1958	, FIRST DELIVERYJul	y 1, 1958 DATE
AOF 13,544 Choke 5,301 INITIAL POTENTIAL		
	El Paso Natur PURCHASER REPRESENTATIVE	eal Gas Company
	Chief Dispato	her

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

Delni-Taylor Oil Corporation

FILE

ACLY MAN

NUMBER OF COPIES RECEIVED									
613	TRIBUTIO	N	6						
BANTA FI									
PILE		,							
Ų. B. G. B.									
LAND OFFICE									
TRANSPORTER	OIL .	9							
TRANSPORTER	GAS								
PROBATION OFFI	C E	T							
OPERATOR									

#### NEW MEXICO OIL CONSERVATION COMMISSION SANTA FÉ, NÉW MEXICO

FORM C-110 (Rev. 7-60)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE Well No. Company or Operator El Paso Natural Gas Company 9-A(PM) Schwerdtfeger Range S-W Township County Unit Letter Section San Juan 28-N 31 Pool Kind of Lease (State, Fed Fee) Federal So. Blanco Pictured Cliffs Township Unit Letter Section Range If well produces oil or condensate give location of tanks Same Address (give address to which approved copy of this form is to be sent) Authorized transporter of oil or condensate X El Paso Natural Gas Company Box 990, Farmington, New Mexico Is Gas Actually Connected? Yes X No Date Con-Address (give address to which approved copy of this form is to be sent) Authorized transporter of casing head gas or dry gas X nected 7-1-58 El Paso Natural Gas Company Box 990, Farmington, New Mexico If gas is not being sold, give reasons and also explain its present disposition: REASON(S) FOR FILING (please check proper box) Change in Ownership . . . . . . . . . . Change in Transporter (check one) Other (explain below) Oil . . . . . . . . . . . Dry Gas . . . . . Casing head gas . Condensate . . X Remarks The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with. Executed this the 1st day of January Βv OIL CONSERVATION COMMISSION Approved by Original Signed Emery C. Arnold APR 3 Petroleum Engineer Title Supervisor Dist. # 3 El Paso Natural Gas Company Address Date APR 8 1963 Box 990, Farmington, New Mexico

NUMBER OF COPIES RECEIVED								
. 61	TRIBUTIO	ON .	<u> </u>					
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U.S.G.S.	<del></del>							
LAND OFFICE								
TRANSPORTER	OIL GAS	-2						
PRORATION OFFI	ξĒ							
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#### NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

FORM C-110 (Rev. 7-60)

LAND OFFICE					CERTIFIC	CATE	OF CO.	MPLI	ANCE	AND AUTHORIZA	TION		
TRANSPORTER	GAS	-2								NATURAL GAS			
PRORATION OFFICE		.5											
C			<u> </u>		FILE THE OF	RIGINAL	AND 4 C	OPIES		E APPROPRIATE OFFIC Lease	CE	Well No.	
Company or O			Natur	7	Gas Compa	ny				Schwerdtfeger		9-A (PM)	
Unit Letter A			Section 31	То	28-N		Range 8-W			County San Juan			
Pool Bl <b>an</b>	co :	Мева	Verde						I	Kind of Lease (State, Fed. Federal	Fee)		
If ·			oil or cond tion of tank		ate	Unit Lett	er S <b>eam</b> e	•	Section	Township	Range		
Authorized tra	nspor	ter of oi	l or co	onde	ensate X			Addres	s (give add	ress to which approved cop	y of this for	m is to be sent)	
	El	. Pasc	Natur	al	Gas Compa	ny		Вох	990, F	'armington, New M	Mexico		
			<del></del>		Is Gas Ac	tually C	onnecte	d? Y	esX	No			
Authorized tra	nspor	ter of ca	sing head a	gas	or dry gas	X Date	Con- ed	Addres	s (give addi	ress to which approved cop	y of this for	m is to be sent)	
	El	Pasc	Natur	al	Gas Compa	ny 7-1	58	Вох	990, F	armington, New M	lexico		
If gas is not b	eing	sold, giv	re reasons a	and	also explain its	present dis	position:						
					REASO	N(S) FOR	FILING	(please	check pro	oper box)			
								Chang	ge in Owner	ship			
		Ci	_	_	otter (check one		_	Other	(explain be	·low)			
					Dry Cond							<u> </u>	
			cusing ne	<u>.</u> س	cond	cosate	<u>n</u>						
Remarks		_									<del></del>		
					-								
The undersig	n e d	c erti fi e	s that the	Rul	es and Regulat	ions of th	e Oil Co	nservat	ion Commi	ssion have been complie	ed with.		
			Executed	th i	s the lst	day of _	Ja	anuar	у	_ , 19_63.			
		OIL CO	NSERVAT	101	COMMISSION			Ву		100	<u>)</u>	AFIL	
Approved by Origin	ai	Signe	d Eme	ĸŊ.	C. Arnold			Title Petroleum Engineer					
Title								Compa			ļ	APRS 1963	
Super	viso	Dist.	# 3							o Natural Gas Co	mpany	STATE OF THE STATE	
Date								Addres	s			7	
APR 8 1963 Box 990, Farmington, New Mexico								co					

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CURRENT RECORDS:

CHANGE TO:

#### South Blanco Pictured Cliffs (Cont.)

n:441 - 40, m	0 0	m a a a a a a a a a a a a a a a a a a a	
Riddle #4-F	8-29-28-8	Riddle F #4	
Riddle #5-F	A-32-28-8	Riddle F #5	
Ripley #1-24	0-24-27-7		
Ripley #2-24-Y	B-24-27-7	Ripley # 2-Y	
Russell #I-A	J-23-28-8	Russell A #1	
San Juan 28-7 Unit #94	N-30-28-7	San Juan 28-7 Unit NP #9	
San Juan 28-7 Unit #40	H-18-27-7	San Juan 28-7 Unit NP #4	O C-104 Required
San Juan 28-7 Unit #42	E-17-27-7	San Juan 28-7 Unit NP #4	2 C-104 Required
San Juan 28-7 Unit #43	0-20-27-7	San Juan 28-7 Unit NP #4	3 C-104 Required
Sanchez #1-A	N-20-26-6	Sanchez A #1	
Schultz State #1-16	G-16-27-8	Schultz #1	
Schultz State #3-16	N-16-27-8	Schultz #3	
Schultz State #4-16	J-16-27-8	Schultz Com #4	C-104 Required
Schwerdtfeger #1-A	M-36-28-9	Schwerdtfeger A #1	
Schwerdtfeger #2-A	B-21-27-8	Schwerdtfeger A#2	
Schwerdtfeger #3-A	N-6-27-8	Schwerdtfeger A#3	
Schwerdtfeger #4-A	0-6-27-8	Schwerdtfeger A #4	
Schwerdtfeger #5-A	G-8-27-8	Schwerdtfeger A#5	
Schwerdtfeger #6-∧	D-8-27-8	Schwerdtfeger A #6	
Schwerdtfeger #7-A	P-31-28-8	Schwerdtfeger A #7	
Schwerdtfeger #8-A	E-31-28-8	Schwerdtfeger A #8	
	7-31-28-8	Schwerdtfeger A #9	
Schwerdtfeger #10-A	L-31-28-8	Schwerdtfeger A #10	
Schwerdtfeger #11- A	G-6-27-8	Schwerdtfeger A #11	
Schwerdtfeger #14-A	N-8-27-8	Schwefdtfeger A #14	
Schwerdtfeger #16-A	C-21-27-8	Schwerdtfeger A #16	
Schwerdtfeger #21-A	E-36-28-9	Schwerdtfeger A #21	
Scott #1-A	J-24-26-7	Scott A #1	_
Senges Pooled Unit #1	P-2-27-8	Senges Com #1	C-104 Required
Storey #3-C	P-33-28-9	Storey C #3	
Storey #4-C	P-34-28-9	Storey C #4	
Storey #5-C	E-35-28-9	Storey C #5	
Storey #8-C	K-33-28-9	Storey C #8	
Storey #9-C	L-34-28-9	Storey C #9	
Storey #10-C	N-35-28-9	Storey C #10	
Storey #11-C	G-34-28-9	Storey C #11	
Turner State #12-2	0-2-27-9	Turner Com G #12	C-104 Required
Turner State #13-2	N-2-26-8	Turner Com H #13	C-104 Required
Turner Fields #1-31	J-31-26-6	Turner Fields #1	
Turner Fields #2-31	L-31-26-6	Turner Fields #2	
Turner Hughes #1-3	M-3-27-9	Turner Hughes #1	
Turner Hughes #2-11	D-11-27-9	Turner Hughes #2	
Turner Hughes #3-3	P-3-27-9	Turner Hughes #3	
Turner Hughes #4-3	A-3-27-9	Turner Hughes #4	
Turner Hughes #5-3	E-3-27-9	Turner Hughes #5	
Turner Hughes #6-4	A-4-27-9	Turner Hughes #6	
Turner Hughes #7-4	E-4-27-9	Turner Hughes #7	
Turner Hughes #8-4	L-4-27-9	Turner Hughes #8	
Turner Hughes #9-4	J-4-27-9	Turner Hughes #9	
Turner Navajo #1-25	H-25-27-9	Turner Navajo #1	
Warren #1-A	K-25-28-9	Warren A #1	
Warren #3-A	F-25-28-9	Warren A #3	
Tapacito Pictured Cliffs Pool:			
San Juan 27-5 Unit #15-16	M-16-27-5	San Juan 27-5 Unit #15	
San Juan 27-5 #18	K-36-27-5	San Juan 27-5 Unit #18	
San Juan 27-5 #28	M-25-27-5	San Juan 27-5 Unit #28	
San Juan 27-5 #33	G-26-27-5	San Juan 27-5 Unit #33	
San Juan 27-5 #39-12	N-12-27-5	San Juan 27-5 Unit #39	
San Juan 27-5 #75	M-23-27-5	San Juan 27-5 Unit #75	

cc: El Paso Natural Gas Company (3) Southern Union Gas Co. Southern Union Gathering Co.
Oil Conservation Commission, Santa Fe
U.S. Geological Survey

APPROVED E.S. Oberly
El Paso Natural Gas Co.
Effective 11-1-65

CURRENT RECORDS:

#### CHANGE TO:

#### Blanco Mesaverde Pool Continued

```
San Juan 32-7 Unit #15
                           M-34-32-7
                                          San Juan 32-7 Unit NP #15 C-104 Required
San Juan 32-8 Unit #20-4
                           L-4-31-8
                                          San Juan 32-8 Unit NP #20
                                                                      C-104 Required
31n Juan 32-9 Unit #2
                           J-30-32-9
                                          San Juan 32-9 Unit NP #2
                                                                       C-104 Required
San Juan 32-9 Unit #8
                                          San Juan 32-9 Unit NP #8
                           A-20-32-9
                                                                       C-104 Required
San Juan 32-9 Unit #78
                           M-17-32-9
                                          San Juan 32-9 Unit NP #78 C-104 Required
                                          San Juan 32-9 Unit NP #79 C-104 Required
Schultz State #12 Change Ly Letter 11-9-65
Schultz Com G #13 C-104 Required
Sa. Juan 32-9 Unit #79
                           A-17-32-9
Sahultz State #12-16
                           N-16-27-8
Schultz State #13-16
                                          Schwerdtfeger A #1
                           G-16-27-8
3chwerdtfeger #1-A
                           M-36-28-9
                         A-31-28-8
Schwerdtfeger #9-A
                                          Schwerdtfeger A #9
Schwerdtfeger #10-A
                           L-31-28-8
                                          Schwerdtfeger A #10
Schwerdtfeger #11-A
                           G-6-27-8
                                          Schwerdtfeger A #11
Schwerdtfeger #12-A
                           N-6-27-8
                                          Schwerdtfeger A #12
Schwerdtfeger #13-A
                           B-8-27-8
                                          Schweidtfeger A #13
Schwerdtfeger #14-A
                                          Schwerdtfeger A #14
                           N-8-27-8
Schwerdtfeger #15-A
                           B-21-27-8
                                          Schwerdtfeger A #15
                                                                     C-104 Required
Sinclair State #1
                                          Sinclair Com #1
                           J-32-32-11
                                          Smyers Com #1
                                                                     C-104 Required
Smyers #1
                           M-2-31-!!
Standard Oll State #1
                           N-36-29-9
                                          Standard Oil Com #1
                                                                     C-104 Required
Stewart #2-A
                           M-32-30-10
                                          Stewart A Com A #2
                                                                     C-104 Required
Storey #1-A
                           A-35-32-11
                                          Storey A #1
Storey #1-8
                           H-11-30-11
                                          Storey B #1
Storey #3-B
                                          Storey B #3
                           L-5-30-11
                           L-11-30-11
Storey #1-B
                                          Storey B #4
Storey #6-C
                                          Storey C #6
                           A-22-28~9
Storey #7-C
                           B-27-28-9
                                          Storey C #7
                                          Storey C #9
Storey #9-C
                           L-34-28-9
Storey #10-C
                           N-35-28-9
                                          Storey C #10
Storey #11-C
                           G-34-28-9
                                          Storey C #11
Stull Pool Unit #1
                           L-10-32-10
                                          Stull #1
Sunray #1-A
                           A-15-30-10
                                          Sunray A #1
Sunray #2-A
                                          Sunray A #2
                           A-10-30-10
Sunray #1-B
                                          Sunray B #1
                           M-15-30-10
Sunray #2-B
                           K-1-30-10
                                          Sunray B #2
Sunray #1-C
                           A-1-30-11
                                          Sunray C #1
Sunray #2-D
                           H-21-30-10
                                          Sunray D #2
Sunray #1-E
                           A-9-30-10
                                          Sunray E #1
                           L-9-30-10
Sunray #2-E
                                          Sunray E #2
Sunray #1-F
                           G-26-30-10
                                          Sunray F #1
Sunray #2-G
                                          Sunray 6 #2
                           G-21-31-9
Sunray #1-G
                           N-21-31-9
                                          Sunray G #1
Sunray #1-H
                           B-11-30-10
                                          Sunray H #1
Sunray #1-3
                                          Sunray J #1
                           M-7-30-10
Sunray State #1
                                                                     C-104 Required
                           B-32-31-10
                                          Sunray K Com #1
                                                                     C-104 Required
Three States State #1
                           L-16-29-8
                                          Three States Com #1
Turner State #1
                                          Turner B Com #1
                                                                     C-104 Required
                           M-2-30-9
turner State #2
                                          Turner B Com A #2
                                                                     C-104 Required
                           A-2-30-9
Turner #1-A
                           K-34-31-11
                                          Turner A #1
Vanderwart #1-A
                           A-11-29-8
                                          Vanderwart A #1
Vanderwart #2-A
                           K-11-29-8
                                          Vanderwart A #2
Vanderwart #3-A
                           M-13-29-8
                                          Vanderwart A #3
Vanderwart #4-A
                           B-13-29-8
                                          Vanderwart A #4
Vanderwart #5-A
                                           Vanderwart A #5
                           H-14-29-8
                                           Vanderwart A #6
Vanderwart #6-A
                           A-24-29-8
                                                                     C-104 Required
walker #2
                           K-32-31-9
                                          Walker Com #2
Warren #1-A
                                          Warren A #1
                           K-25-28-9
Warren #2-A
                           A-23-28-9
                                          Warren A #2
Yager Pool Unit #1
                           M-31-31-11
                                           Yager #1
Yager Pool Unit #2
                           D-6-30-11
                                           Yager #2
                                           Zachary #1
                           K-25-31-11
Zachary Pool Unit #1
                                           San Juan 27-5 Unit #39
San Juan 27-5 Unit #39-12 N-12-27-5
                                           San Juan 28-4 Unit #1
San Juan 28-4 #1-18
                            A-18-28-4
San Juan 28-4 #2-17
                                           San Juan 28-4 Unit #2
                           K-17-28-4
San Juan 28-4 Unit #5-32 H-32-28-4
                                           San Juan 28-4 Unit #5
```

Southern Union Gas Co. (3)
Southern Union Gas Co.
Southern Union Gathering Co.
Oil Conservation Commission , Santa Fe
U.S. Geological Survey

APPROVED E. S. Oberly
El Paso Natural Gas Co.
Effective 11-1-65

### NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section (SF 079319) EL PASO NATURAL GAS COMPANY SCHWERDTFEGER A 9 (PM) Unit Letter Section Township County 28-N 8-W SAN JUAN Actual Footage Location of Well: 1110 feet from the feet from the line and line Ground Level Elev. Producing Formation Dedicated Acreage: PC & MV 304.80 6714 GL 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? If answer is "yes," type of consolidation \_ ☐ Yes ☐ No 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 Commission. THIS PLAT REISSUED TO SHOW CORRECTED ACREAGE AS PER LETTER N.M.O.C. DATED 2-14-68. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Petroleum Engineer El Paso Natural Gas Co. Company March 11, 1968 SECKON 31 SF 079319 I hereby certify that the well location shown on this plat was platted from field notes of actual 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 Surveyed Registered Professional Findinger and/or Land Surveyor Certificate No. 1320 1650 1980 2310 1000

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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PRORATION OFFICE			

#### OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

TRANSPORTER	GAS			REQI	JEST FO	OR ALLOW	ABLE		_			
OPERATOR					Α	AND		- 4	PIME	<b>I</b>		
PRORATION OFFICE		AU	THOR	IZATION TO	TRANS	PORT OIL	AND NATU	RAL G	FIAP	IIII		
l.								RAL GDEG		<b>U</b>		
Operator						<del></del>		1111	. 1005			
Tenneco Oi	l Company 🖘							SEF	06 1985			
Address									ON! DI			
	3249, Englewo	od, CC	80	0155				OIL (	CON. DI			
Reason(s) for filing (C	theck proper box)						Other (Please ex	(plain)	D151			
New Well	Change in T	ransporter o	of:									
Recompletion	Oil			Dry 6	as							
Recompletion  Change in Owne	rship Casing	ghead Gas		<b>⊠</b> Cond	lensate		Well N	ame				
If change of ownership and address of previo	give name E1	Paso	Natu	ıral Gas	, P.O.	Box 49	90, Farm	ington, NM 87	499			
II DESCRIPTION	NOF WELL AND L	FASE										
Lease Name	OF WELL AIRD E		II No.	Pool Name, Inc	cluding Form	nation		Kind of Lease	USA	Lease No.		
Schwerdtfe	mar A IS	ŀ	9	So. Bla	ancoD	ec.		State, Federal or Fee	SF	079319		
Location	aei u co			00. 01	ALICO T			<u> </u>	<u> </u>	0/9319		
Location		100						C. C. A.				
Unit Letter	::	190		Feet From The	• <u> </u>		Line and	654 Fee	t From The			
Line of Section	31	Townshi	ip	28N		Range	8W	, NMPM, S	an Juan	County		
III DESIGNATIO	N OF TRANSPORT	ER OF (	OII A	ND NATURA	AL GAS							
	ansporter of Oil _ or Cor		<u> </u>	10 10 11018	12 0/10	Address (Gi	ve address to which	ch approved copy of this forr	n is to be sent)	7		
Conoco Inc	. Surface Tra	nsport	atio	nn		PO	Rox 46	D, Hobbs, NM	RR2AO			
1	ansporter of Casinghead Ga	•						ch approved copy of this form				
El Paso Na	· · · · · · · · · · · · · · · · · · ·		, === -	•		P. O. Box 4990, Farmington, NM 87499						
LI FASO NA	curar Gas	• Unit	Sec.	Twp.	Rge.		ally connected?	When	11, 1413 0743	<del></del>		
If well produces oil or	liquids,	!	•			is gas acid.		1		}		
give location of tanks.		<u> </u>	31	28N	1 8M		Yes					
If this production is com	nmingled with that from any	other lease o	or pool, g	ive commingling	order numbe	er						
NOTE: Complete	e Parts IV and V or	ı reverse	side i	if necessary	<b>/</b> .							
VI CERTIFICAT	E OF COMPLIANC	F				11	(	DIL CONSERVATION	N DIVISIONS =	D 0 0 400=		
				Division have be	an comelic	APPRO	/ED <		7 3 E	P U 6 <b>1985</b>		
	e rules and regulations of the mation given is true and co					[]	·=					
				- , <b>-</b>		ll BY	57	ranker.				
$\mathcal{L}$									X			
//	M-Kum					TITLE			SUPERVISOR D	DISTRICT # 3		
Since.	11/2 Kunu	4										
	(Signe	ture)				li li		compliance with RULE 110				
Sr. Regulate	ory Analyst							owable for a newly drilled o e deviation tests taken on t				
	SEP T	le) 10 Com	-			11		nust be filled out completely		•		
		<u>້ 1995</u>					only Section I, II, I sch change of co	<ol> <li>and VI for changes of owr adition.</li> </ol>	ner, well name and or	number, or transporter,		
	(Da	te)				Separat	e Forms C-104 mg	ust be filed for each pool in	multiply completed v	vells.		

#### STATE OF NEW MEXICO **ENERGY AND MINERALS DEPARTMENT**

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OPERATOR	•	$\dashv$
PRORATION OFFICE		

#### **OIL CONSERVATION DIVISION** P.O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83

Tenneco Oil Company SEP 06 1983  Address P. O. Box 3249, Englewood, CO 80155  Reason(s) for filing (Check proper box)  New Well Change in Transporter of: Recompletion Oil Dry Gas Change in Ownership Casinghead Gas Condensate  It change of ownership give name address of previous owner  I. DESCRIPTION OF WELL AND LEASE Lease Name Schwerdtfeger A LS  9 Blanco-MV  Feet From The Line and 654 Feet From The Line and 654 Feet From The E  31  28N  RW  San Tuan	TRANSPORTER OIL GAS  OPERATOR PRORATION OFFICE	ALITHOD		Α	R ALLOWABLE ND PORT OIL AND NATHRAL	DECEIVE	
Address of the adjusted frameporter of the page in Transporter of the page in Ownership    New Well		AUTHOR	IZATION TO	INANO	PORT OIL AND NATURAL	DE COL	<b>19</b>
Readering for filing (Check proper box)    New Weil		6-1-WRTD				75 06 1985	·
New Well   Change in Transporter of:   Dry Gas   Condensate   Well Name		ood, CO 80	0155			OIL CON. L	)\\\
Lease Name Schwerdtfeger A LS  9 Blanco—MV  State, Federal or Fee SF  079319  Location Unit Letter A 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Section Section 1190 Feet From The N Line and Feet From The E Line and Feet From The N Line and Feet From The N Line and Feet From The N Line and Feet From The N Line and Feet From The N Line and Feet From The I Line and Feet From The I Line and Feet From The I Line and Feet From The I Line and Feet From The I Line and Feet From The I Line and Feet From The I Line and Feet From The I Line	New Well Change in Recompletion Oil	•				DIST	
Lease Name Schwerdtfeger A LS    Pool Name, including Formation   State, Federal or Fee   USA   Lease No.	t change of ownership give name Eind address of previous owner	l Paso Nati	ural Gas,	P.O.	Box 4990, Farmingt	on, NM 87499	
Unit Letter A 1190 Feet From The Line and 654 Feet From The E  Line of Section 31 Township 28N Range 8W NMPM. San Juan County  III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS  Name of Authorized Transporter Of Oil — or Condensate K  CONOCO Inc. Surface Transportation  Name of Authorized Transporter of Casinghead Gas — or Dry Gas — Address (Give address to which approved copy of this form is to be sent)  P. O. Box 460, Hobbs, NM 88240  Name of Authorized Transporter of Casinghead Gas — or Dry Gas — Address (Give address to which approved copy of this form is to be sent)  Fel Paso Natural Gas  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  Address (Give address to which approved copy of this form is to be sent)  P. O. Box 4990, Farmington, NM 87499  Is gas actually connected?  If well produces oil or liquids, give location of tanks.  Yes  OIL CONSERVATION DIVIS STEP 0.6 1986  APPROVED  APPROVED  This form is to be filed in compliance with RULE 1104.  If this is a request for allowable for a newly drilled or deepened well, this form must be accounted to the produce of the completed with RULE 1104.  If this is a request for allowable for a newly drilled or deepened well, this form must be accounted to the complete on the well in accordance with RULE 111.  All sections of this form must be filed out completely for allowable on new and recompleted we File out only Section it, it, ill, and V for changes of owner, well name and or number, or transport or other such change of condition.	Lease Name	Well No.	1	-		Federal or Fee	1
II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS  Name of Authorized Transporter of Oil or Condensate X  Conoco Inc. Surface Transportation  Name of Authorized Transporter of Casinghead Gas or Dry Gas X  El Paso Natural Gas  If well produces sit or liquids, give location of tanks.  If well produces sit or liquids, give location is commingled with that from any other lease or pool, give commingling order number.  NOTE: Complete Parts IV and V on reverse side if necessary.  VI. CERTIFICATE OF COMPLIANCE  hereby certify that the rules and regulations of the Oil Conservation Division have been compiled with and that the information given is true and complete to the best of my knowledge and belief.  BY  TITLE  Supervisor District 9 3  This form is to be filled in compliance with RULE 1104.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was papied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and reco	A .	1190	Feet From The	N	Line and6	54 Feet From The	E
Conoco Inc. Surface Transportation  Name of Authorized Transporter of Casinghead Gas = or Dry Gas = X  E1 Paso Natural Gas  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location of tanks.  If well produces oil or liquids, give location, limit give location, limit give on location, limit give on location, limit give or location, limit give or location, limit give or location, limit give or liquids, give liquid or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted wall fill out only Section, li, lift, and of Vior changes of owner, well name and or number, or transport or other such change of condition.	Line of Section 31	Township	28N		Range 8W	. NMPM. San Juan	County
If this production is commingled with that from any other lease or pool, give commingling order number.  NOTE: Complete Parts IV and V on reverse side if necessary.  VI. CERTIFICATE OF COMPLIANCE  hereby certify that the rules and regulations of the Oil Conservation Division have been compiled with and that the information given is true and complete to the best of my knowledge and belief.  BY  TITLE  This form is to be filled in compliance with RULE 1104.  It this is a request for allowable for a newly drilled or deepened well, this form must be accompled by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted wa Fill out only Section I, III, III, and VI for changes of owner, well name and or number, or transport or other such change of condition.	Conoco Inc. Surface Tr Name of Authorized Transporter of Casinghead El Paso Natural Gas	ansportation  Gas or Dny Gas D	Twp.	Rge.	P. O. Box 460, H Address (Give address to which appro P. O. Box 4990, Is gas actually connected?	obbs, NM 88240 ved copy of this form is to be sent) Farmington, NM 8	7499
NOTE: Complete Parts IV and V on reverse side if necessary.  VI. CERTIFICATE OF COMPLIANCE  hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.  BY  TITLE  This form is to be filed in compliance with RULE 1104.  It this is a request for allowable for a newly drilled or deepened well, this form must be accordance with RULE 111.  All sections of this form must be filled out completely for allowable on new and recompleted was Fill out only Section I, II, III, and VI for changes of owner, well name and or number, or transport or other such change of condition.	give location of tanks.	<del></del>		L			
or other such change of condition.	VI. CERTIFICATE OF COMPLIANS with and that the information given is true and  With and that the information given is true and  With and that the information given is true and	on reverse side	if necessary.  Division have been	n complied	OIL CO APPROVED  BY  TITLE  This form is to be filed in complia It this is a request for allowable of panied by a tabulation of the deviation.  All sections of this form must be filed.	supervious supervious	III, this form must be accom- rdance with RULE 111.
Separate Forms C-104 must be filed for each pool in multiply completed wells.					or other such change of condition.		
		-			Separate Forms C-104 must be fil	ed for each pool in multiply compl	etea wells.

Submit 5 Copies
Appropriate District Office
DISTRICT |
P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

## OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 87504-2088 DISTRICT III 1900 Rio Brazas Rd., Aziec, NM 87410 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS Well API No. Operator Amoco Production Company 3004507037 1670 Broadway, P. O. Box 800, Denver, Colorado 80201 Reason(s) for filing (Check proper box) Other (Please explain) New Well hange in Transporter of: ☐ Dry Gas ☐ Recompletion [3] Change in Operator Casinghead Gas Condensate If change of operator give name and address of previous operator Tenneco Oil E & P, 6162 S. Willow, Englewood, Colorado 80155 II. DESCRIPTION OF WELL AND LEASE Well No. Pool Name, Including Formation
BLANCO (PICTURED CLIFFS) Lease No. SCHWERDTFEGER A LS FEDERAL SF079319 Location Feet From The FNL 1190 Feet From The FEL Range 8W Section 31 Township 28N SAN JUAN NMPM. County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Oil  $\mathbf{K}$ CONOCO . O. BOX 1429, BLOOMFIELD, NM 87413 Name of Authorized Transporter of Casinghead Gas or Dry Gas [X Address (Give address to which approved copy of this form is to be sent) EL PASO NATURAL GAS COMPANY . O. BOX 1492, EL PASO, TX 79978 If well produces oil or liquids, Twp | Uait Rge. is gas actually connected? When? give location of tanks. If this production is commingled with that from any other lease or pool, give commingling order number: IV. COMPLETION DATA Oil Well Gas Well New Well Workover Deepen Plug Back Same Res'v Diff Res'v Designate Type of Completion - (X) Total Depth Date Compl. Ready to Prod. P.B.T.D. Top Oil/Gas Pay Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation lubing Denth Denth Casing Shoe TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL. (Lest must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) Date Lind New Oil Run To Tank Date of Test Producing Method (Flow, pump, gas lift, etc.) Length of Test Casing Pressure Choke Size Tubing Pressure Actual Prod. During Test Oil - Rbls. GAS WELL

VI. OPERATOR CERTIFICATE OF COMPLIANCE

Bbls. Condensate/MMCF Gravity of Condensate Choke Size Tubing Pressure (Shut in) Casing Pressure (Shut-in)

OIL CONSERVATION DIVISION

I hereby certify that the rules and regulations of the Oil Conservation Division have been contrilled with and that the information given above

Date Approved

J. Hampton

is true and complete to the best of my knowledge and belief.

Actual Fred Test MCF/D

esting Method (pitot, back pr.)

Janaury 16, 1989

Staff Admin. Suprv. 303-830-5025

Telephone No.

SUPERVISION DISTRICT # 3 Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

Leagth of Test

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells,

Submit 5 Copies
Appropriate District Office
DISTRICT J
P.O. Box 1980, Hobbs, NM 88240 DISTRICE II P.O. Drawer DD, Anesia, NM 88210

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

-1-

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brans Rd., Aziec, NM 87410

I.	TOT				TURAL GA				
Operator		101101	ZITI OIL	אווט ווא	TOTIAL		PI No.		
Amoco Production Compa	any					3004	507037		
Address 1670 Broadway, P. O. I	Roy 800 De	nver C	olorada	80201					
Reason(a) for I iling (Check proper box)	DOX GOO, DC.		210180		es (Please expla	ia)			
New Well	Chang	e in Transport	ter of:	ш -		•			
Recompletion []	Oil	Dry Gas							
Change in Operator	Casinghead Gas	Condens	ate []						
If change of operator give name and address of previous operator Term	neco Oil E	& P, 616	62 S. V	Villow,	Englewoo	d. Color	ado 80	155	
•									
II. DESCRIPTION OF WELL. Lease Name		lo. Pool Nat	ne. laciudii	ne Formation		<del></del>			ave No.
SCHWERDTFEGER A LS	9	1		AVERDE)		FEDE	RAT.	SF079	ľ
Location	•								
Unit Letter A	: 1190	Feet Fro	m The FNI	L Lin	e and 654	Fo	et From The .	FEL	Line
Section 31 Township	<sub>p</sub> 28N	Range8V	<i>i</i>	, NI	мрм,	SAN J	JAN		County
III. DESIGNATION OF TRAN	SPORTER OF	OIL AND	NATUE	RAL GAS					
Name of Authorized Transporter of Oil		4	ر ر	Address (Giv	e address to wh				u)
CONOCO				P. O. BO	X 1429	BLOOMF II	LD, NM	87413	
Name of Authorized Transporter of Casing		or Dry G	** (X.)		e address to wh				u)
EL PASO NATURAL GAS CON If well produces oil or liquids,	Unit Sec.	Twp.	Ree	ls gas actuail	X 1492, 1	Whee		9/8	
give location of tanks.		1			,	1	•		
If this production is commingled with that i	from any other lease	or pool, give	commingli	ng order num	ber:				
IV. COMPLETION DATA									
Designate Type of Completion	(X) (Oil W	Vell G	s Well	New Well	Workover	Deepen	Plug Back	Same Resiv	Diff Rea'v
Date Spudded	Date Compl. Read	y to Prod.		Total Depth	l		P.B.T.D.	J	· <b>L</b>
	l			TE SUBSE	N		Í _ <b>_</b>		
Elevations (DF, RKB, RF, GR, etc.)	Name of Producing	g Formation		Top Oil/Gas	ray		Tubing Dept	h	
Perforations							Depth Casin	g Shoe	
	TUBIN	G. CASIN	G AND	CEMENTI	NG RECOR	D	<u> </u>		
HOLE SIZE		TUBING SI			DEPTH SET			ACKS CEME	NT
······································							<del></del>		
V. TĒST DĀTĀ AND REQUES	T FOR ALLO	WARLE					J		
OIL WELL (Test must be after re			i and must i	be equal to or	exceed top allo	wable for this	depth or be j	or full 24 how	s.)
Date First New Oil Run To Tank	Dute of Test				thad (Flow, pu				
		<del> </del>					120.7.7.7.		
Length of Test	Tubing Pressure		1	Casing Pressu	ite		Choke Size		İ
Actual Prod. During Test	Oil - Bbls.			Waler - Bbls.			Gas- MCF		
_			1						
GAS WELL									
Actual Prod. Test - MC1/D	Length of Test			Bbis. Conden	sale/MMCF		Gravity of C	ondensate	
						13 13-11-0			
Festing Method (pitot, buck pr.)	Tubing Pressure (S	hul·is)		Casing Pressu	ire (Shut-in)		Choke Site	<del> </del>	
VI. OPERATOR CERTIFICA	ATE OF CON	APLIANO	CE	[			<b></b>		
I hereby certify that the rules and regula			J		DIL CON	SERV	NOITA	DIVISIO	N
Division have been complied with and t			l						
is true and complete to the best of my k	nowicoge and belief		}	Date	Approved	MA	¥ 0 8 10	00	
(h. L H)	otani		[		_		_1	,	
Signifure				Ву_		<u>د بــه</u>	Oha	<del>-/</del>	
	_Staff_Adm		rv_		SI	JPERVIS	ION DIS	TRICT # 1	3
Pinted Name Janaury 16, 1989	303	Title 1-830-50	25	Title					
Date		elephone No.							

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
  3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

# State of New Mexico Energy, Minerals and Natural Resources Department

And the state of the state of

Furin C-104 Revised 1-1-89 See Instructions at Bottom of Page

# OIL CONSERVATION DIVISION P.O. Box 2088

P.O. Drawer DD, Anesia, NM 88210	_		ox 2088			
DISTRICT III	Sai	nta I'e, New M	lexico 87504-208	18		
1000 Rio Urazos Rd., Aztec, NM 87410			BLE AND AUTH			
Operator AMOCO PRODUCTION COMPA		1101 0111 011	LAND NATOR	Well	AP(No. 0450703700	
Address P.O. BOX 800, DENVER,		1	·····	. <del></del>		
Reason(s) for Filing (Check proper box)			Other (Fleat	se explain)		<del></del>
New Well	- Pro-19	Transporter of:				
Recompletion [_] Change in Operator		Dry Gas				
If change of operator give name	Catingnesia Gas	CORDERING [				
and address of previous operator						
II. DESCRIPTION OF WELL						, <del></del>
SCHWERDTFEGER A LS	Well No. 9	Pool Name, Includi BLANCO MES	SAVERDE (PROR		of Lease Federal or Fee	Lease No.
Location A Unit Letter	1190	Feet From The	FNL Line and	654 F	eet From The	FEL Line
Section 31 Townshi	28N	Range 8W	, NMPM,		JUAN	County
III. DESIGNATION OF TRAN	SPORTER OF OI	L AND NATU	RAL GAS	_		
Name of Authorized Transporter of Oil	or Condens	sale	Address (Give oddres			-
MERIDIAN OIL INC.  Name of Authorized Transporter of Casin	chead Gas	or Dry Gas	3535 EAST 3	OTH STREET,	FARMINGTO	N NM 87401
EL PASO NATURAL GAS CO		, (	P.O. BOX 14			•
If well produces oil or liquids,	Unit Sec	Twp. Rge.	le gas actually connec	ded? When	7	-
C	<u> </u>		<u> </u>	l		
If this production is commingled with that  IV. COMPLETION DATA	nom any other lease or p	roor' Sine committee	ring ordet aumoer:			<del></del>
Designate Type of Completion	Oil Well	Gas Well	New Well   Works	over Doepen	Plug Back   San	me Res'v Diff Res'v
Date Spudded	Date Compl. Ready to	Prod.	Total Depth	<del></del>	P.B.T.D.	<u> </u>
Elevations (IDF, RKB, Rf, GR, etc.)	Name of Producing For	nnation	Top Oil/Gat Pay	<del></del>	Tubing Depth	
Perforations	<del></del>		<u> </u>		Denth Court 3	Spe
				- a E	MEIN	<b>1</b>
	¬		CEMENTING R	4 4 4	-	<u> </u>
HOLE SIZE	CASING & TU	BING SIZE	DEPT	AUG2	1990 SAC	KS CEMENT
				HE AUGZ	212/	t
				OIL CC	W. Diss	<i>}</i>
				OIE CO!	\$1.3	
V. TEST DATA AND REQUES OIL WELL (Test must be after t	ST FOR ALLOWA recovery of total volume o		he sould be an everal	an allamaka (as shi	is down! on he for!	full 2d Laure b
Dute First New Oil Run To Tank	Date of Test	y load on the mast	Producing Method (F			W 24 NOW 3.7
Length of Test	Tubing Pressure		Casing Pressure		Choke Size	
Actual Prod. During Test	Oil - Ubla		Water - Bbis.		Gas- MCF	
GAS WELL	<u> </u>		<del></del>		J	
Actual Front Test - MCT/D	Leagth of Test		Bbls. Condensate/MA	ICF	Gravity of Cond	enssie
					<u> </u>	
lesting Method (pilot, buck pr.)	Jubing Pressure (Shut-	in)	Casing Pressure (Shut	.io)	Choke Size	
VI. OPERATOR CERTIFIC	ATE OF COMP	LIANCE	2		ATION 5	
I hereby certify that the rules and regul			) OIL	CONSERV	ATION DI	VISION
Division have been complied with and is true and complete to the best of my		a above			AUG 23 1	990
NIL.MO.			Date App			
Signature Doug W. Whaley, Staff	f Admin C		Ву		N) Oh	<del>-</del>
Printed Name		Tinle	Title	SUPE:	RVISOR DIS	TRICT /3
July 5, 1990	303-8	30=4280 phone No.	11			

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT |
P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

## OIL CONSERVATION DIVISION

P.O. Box 2088 🛹 Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brazos Rd., Azicc, NM 87410

DISTRICT II P.O. Drawer DD, Antesia, NM 88210

•											
l. Operator	·	IO IH	1001	PORT OIL	LAND	NATUHA	L GA		VPI No.		······
AMOCO PRODUCTION COM	PANY								45070370	00	
Address P.O. BOX 800, DENVER	. COLORAT	 O RO24	) 1		-						
Reason(s) for Filing (Check proper bo		.5 5020	•			Other (Pleas	se explo	in)	<del></del>		
New Well		Change in			_		•				
Recompletion	Oil	d Gas. ☐	Dry C	_							
Change in Operator [_] I change of operator give name	Caungnea	- C-	Cono	:man/42 [_]					·		
and address of previous operator											
II. DESCRIPTION OF WEL	L AND LE		D		- F			100			
SCHWERDTFEGER A LS		Well No.	BLA	Name, Includ ANCO PC	SOUTH	(GAS)			of Lease Federal or Fee		esse No.
Location A	1	190			FNL		65	4		FEL	
Unit Letter	:		. Feet I	From The		Line and			et From The _		Line
Section 31	28N		Range	8W		NMPM,		SAN	JUAN		County
bestativest oc eb	. Bleiber Brief					_					
III. DESIGNATION OF TRA		or Conde		עו אא ועי			s io wh	ich approved	copy of this fo	rm is to be s	ind)
MERIDIAN OIL INC.					}				FARMING		
Name of Authorized Transporter of Ca			or Dry	y Gas 🗀	Address (	Give addres	s to whi	ich approved	copy of this fo	rm is to be s	
EL PASO NATURAL GAS  If well produces oil or liquids,	COMPANY     Unit	Soc.	Twp	Rye.		BOX 14		EL PASO When	TX 79	978	
give location of tanks.			<u> </u>					1			
f this production is commingled with the	hat from any oth	er lease or	pool, g	ive comming	ling order s	umber:					
IV. COMPLETION DATA		Oil Well	,_	Gas Well	1 N	ell   Works		Dave	Plug Back	Cama Back	Diff Res'v
Designate Type of Completion	on - (X)	Ou west	, ;	Off Met	] New W	en 1 wourd	yer   	Doepen	Find Dack	Patine Kera	]
Date Spudded	Date Comp	A. Ready to	Prod.		Total Dep	th.			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of P	roducina Fi			Top OiVC	as Pav			Tubing Day		
ERVADORS (DP, KKD, KT, OK, ERC.)	(42) SE OL 11	concing to	OI ITEMIO	•	1.00				Tubing Dept	n	
Perforations					•				Depth Care	975.	
		TIBING	CAS	ING AND	CELIEN	TIME DE	A.	FR	AR	-1111	<del></del>
HOLE SIZE		SING & TE			CEMEN	DEPTH	44	, e	1 25	ACKS CEM	FNT
THOSE ORC		3110 0 11	-	<u> </u>		02.7.7.	- B/	NIGS	3 1990	TOTO OCI	
								Hou	net D	<b>IV.</b>	
					<del> </del>			OILC	014.		
V. TEST DATA AND REQU	EST FOR A	LLOW	ABLE	Ε	ــــــــــــــــــــــــــــــــــــــ				3 1990 <sup>5</sup> DN. D		
OIL WELL (Test must be after				-			op ano	Muore jor und	depin or or j	or full 24 hou	75.)
Date First New Oil Run To Tank	Date of Te	a			Producing	Method (F	low, pu	r.p. gas 147, s	lc.)		
Length of Test	Tubing Pre	SPURE			Casing Pr	tsaire			Choke Size		
					<u></u>						
Actual Prod. During Test	Oil - libis.				Water - B	ble			Gas- MCF		
a.c.wei					L				1	<del></del>	
GAS WELL ACTUAL Fruit Test - MCT/D	Length of	l'est			I Bbla. Con	densate/MN	CF		Gravity of C	ondensale	
		-									
eating Method (putot, back pr.)	Tubing I're	unic (Shu	-in)		Casing Pr	etwire (Shu	-in)		Choke Size		<del></del>
	l				ا				<u> </u>		<u>.</u>
VI. OPERATOR CERTIF.  I hereby certify that the tules and re				NCE	1	OIL C	ON	SERV	ATION I	DIVISIO	NC
Division have been complied with a				ne .			~··				
is true and complete to the best of m					l n	ale App	COVE	, Al	JG 23 19	390	
NU M.						mp			. 1		
Signature Signature	<del></del>				B	<i>,</i>		3.1	) Oh		
Signature Doug W. Whaley, Sta	ff Admin	Supe	<u>rvis</u> Tide	or	_			SUPERV	SOR DIS	TRICT !	3
July 5, 1990		303-1		4280	Ti	lle					
Date		Tek	chhone	No.	11						

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.
   Fill out only Sections 1, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
   Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 3 Copies To Appropriate District	State of	New Me	exico	Form C-103		
Office District I	Energy, Minerals	and Natu	ral Resources	Revised March 25, 1999		
1625 N. French Dr., Hobbs, NM 88240	•			WELL API NO.		
District II	OIL CONSERV	/ATION	DIVISION	30-	-045-07037	
811 South First, Artesia, NM 88210				5. Indicate Type	of Lease	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South			STATE	FEE	
District IV	Santa Fe	e, NM 87	1977 1977 N	6. State Oil &	Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM			o'' 🛕 💢			
87505 SUNDRY NOT	TICES AND REPORTS OF	N WELLS	MAD Onno	7. Lease Name of	or Unit Agreement Name:	
(DO NOT USE THIS FORM FOR PROP	OSALS TO DRILL OR TO DEED	PEN OR PLU	ng byck to z			
DIFFERENT RESERVOIR. USE APPL	ICATION FOR PERMIT" (FOR)	M K-101) La	Mestical Control	Schwe	rdtfeger A LS	
PROPOSALS.)		1.2	CK GOVE DEC		Form 3160-5 Federal	
1. Type of Well: Oil Well Gas Well	Other	100	Day (1.5	Lease SF - 079319		
Oil Well Gas Well	Other	_ √o`.	1.5	<u> </u>		
2. Name of Operator		1		8. Well No.		
BP America Production Company	/ Attn:	Mary Co	orley		9	
3. Address of Operator				9. Pool name or		
P.O. Box 3092 Houston, TX	77253			Blanco Mesaverd	le/Pictured Cliffs	
4. Well Location						
Unit Letter A	1190 feet from the	Month	line and 654	fact from the	East line	
Onit Letter X	leet from the	NOPTH	_ inic and034	_ieer nom me	line	
Section 31	Township 28N	Range	08W	NMPM San Ju	an County	
	10. Elevation (Show w	vhether Dl	R, RKB, RT, GR, etc	:.)	n in the state of	
				i e . Lesteux	and the second s	
11. Check	Appropriate Box to Inc	dicate Na	ature of Notice,	Report or Other	Data	
NOTICE OF II	NTENTION TO:		SUB	SEQUENT RE	PORT OF:	
PERFORM REMEDIAL WORK			REMEDIAL WOR		ALTERING CASING	
_	_	_				
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRI	LLING OPNS. 🔲	PLUG AND	
PULL OR ALTER CASING	] MULTIPLE		CASING TEST A	ın 🗆	ABANDONMENT	
FULL OR ALTER CASING	COMPLETION	لسا	CEMENT JOB	<b>1</b> D		
OTHER: Downhole Comming		×	OTHER:			
12. Describe proposed or comple	eted operations. (Clearly st	tate all per	tinent details, and g	ive pertinent dates	, including estimated date	
of starting any proposed work	(). SEE RULE 1103. For t	Multiple C	Completions: Attac	h wellbore diagram	of proposed completion	
or recompilation.				deal assume comple	Alam Aa - studio andro-	
BP America Production Company completion, add the Menefee pa						
Mesaverde Pools as per the atta		Poduction	downnois from the	e bianco ricturea o	SIITTS & BIGREO	
Mesuver de l'oois as per me arra	ched procedure.					
The Blanco Pictured Cliffs (7235	9) & the Blanco Mesaverd	le (72319)	Pools are Pre-App	proved Pools for D	ownhole Commingling per	
NMOCD order R-11363.						
The working, overriding, and roy	alty interest owners in th	e nronosei	d comminated noots	are identical: the	refore no notification	
of this application need be subm		o pi opose.	a commungica poors	are identical, the	refore, no nonfication	
•••						
Production is proposed to be allo		duction fr	om both the Pictus	red Cliffs and Mes	averde Pools as	
reflected on the attached alloca	tion chart.					
Commingling Production Downhole	in the subject well from	the propos	sed Pools with not	reduce the value o	of the total remaining	
production. A A/	017107					
I hereby certify that the information	122112	-4-4-4		11 11 6		
1/1//		ete to the t	best of my knowled	ge and belief.		
SIGNATURE ///	Wlorley T	ITLE <u>S</u> r	. Regulatory Ana	yst DATE	03/18/2001	
Type or print name Mary Con		<del></del> -			281-366-4491	
(This space for State use)		<b>DEPU</b> T	Y 雅文 \$45 1950			
Approximation of the state of t	and the statement of th		* *** * **   ****	對於 物質 为	MAR 1 5 2002	
APPPROVED BY	to Commence of the Commence of	TITLE_			DATE	
Conditions of approval, if any:						

 $\label{eq:constraints} \mathcal{A}(x) = \mathcal{A}(x) + \mathcal$ 

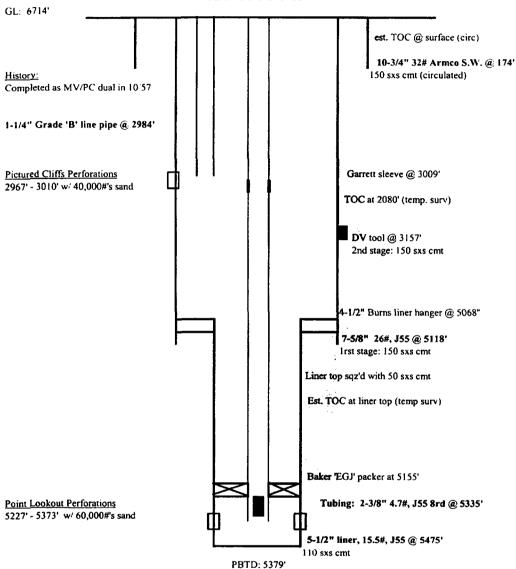
# Schwerdtfeger A LS #9 Procedure

- 1. Check anchors. MIRU workover rig.
- 2. Check and record tubing, casing, and bradenhead pressures.
- 3. Blow down wellhead. Kill with 2% KCL water ONLY if necessary.
- 4. Nipple down WH. NU BOPs.
- 5. TOH with 1-1/4" line pipe short string currently set at 2984'.
- 6. Release Baker 'EGJ' packer set at 5155' and TOH with 2-3/8" long string production tubing currently set at 5335'.
- 7. RIH with 5-1/2" casing scraper to 5200'.
- 8. RU WL unit. RIH with 5-1/2" wireline-set CIBP. Set CIBP at 5200'.
- RIH with 3-1/8" casing guns. Perforate Menefee formation, <u>2 spf</u>.
   4875', 4920', 4925', 4930', 4950', 5020', 5030', 5040', 5048', 5100', 5130', 5135'
- 10. RIH with 3-1/2" frac string and 7-5/8" packer. Set packer at 4700'.
- 11. RU frac equipment. Use 2% KCL-N2 foam in fracture stimulation.
- 12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Flush frac with foam.
- 13. Flowback frac immediately.
- 14. Release packer. TOH and LD frac string and packer.
- 15. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 5200'. Cleanout fill to PBTD at 5379'. Blow well dry at PBTD.
- 16. RIH with 2-3/8" production tubing.
- 17. Land 2-3/8" production tubing at 5325'.
- 18. ND BOP. NUWH. Return well to production & DHC MV & PC production.

ALLOCATION	Based on	2001 Annual	Production as	of 11/01/2001
Formation	BBL	%	GAS	%
Mesaverde	146	100%	41139	74%
Pictured Cliffs	0	00%	14305	26%

# Schwerdtfeger A LS #9

Sec 31, T28N, R8W API # 30-045-07037



#### NOTES:

1) Slickline run detected probable junk in the tubing

updated: 12/19/01 jad

Form 3160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM A	PROVED
OMB NO	1004-0135
Expires: Nove	ember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.					NMSF - 07931	
SUBMIT IN TRI	PLICATE - Other instru	ctions on reve	rse sida R 20	02	7. If Unit or CA/Agr	cement, Name and/or No.
Type of Well     Oil Well	ner				8. Well Name and No SCHWERDTFE	GERALS 9
2. Name of Operator BP AMERICA PRODUCTION	Contact:	MARY CORLE E-Mail: corleyol			9. API Well No. 30-045-07037	
3a. Address P.O. BOX 3092 HOUSTON, TX 77253		3b. Phone No. ( Ph: 281.366 Fx: 281.366.		)	10. Field and Pool, o BLANCO MV 8	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Descriptio	n)			11. County or Parish	, and State
Sec 31 T28N R8W NENE 119	00FNL 654FEL				SAN JUAN CO	DUNTY, NM
12. CHECK APPI	ROPRIATE BOX(ES) T	O INDICATE I	NATURE OF	NOTICE, R	EPORT, OR OTH	ER DATA
TYPE OF SUBMISSION			TYPE O	F ACTION		
<b>5</b> N. C Pl. 4 4	☐ Acidize	☐ Deep	en	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
Notice of Intent	☐ Alter Casing	☐ Fracti	re Treat	☐ Reclam	ation	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New	Construction	Recom	olete	<b>⊠</b> Other
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug	☐ Plug and Abandon		rarily Abandon	Subsurface Commi
_	Convert to Injection	n Plug	Back	☐ Water I	Disposal	ng
If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final Aidetermined that the site is ready for form the Beautiful BP America Production Compared that the site is ready for following the Blanco Mesaverde (7231 Commingling per NMOCD Or The working, overriding, and therefore, no notification of the Production is proposed to be year 2001 from each pool as Commingling Production Dow value of the total remaining production of the total remaining production is proposed to be year 2001 from each pool as Commingling Production Dow value of the total remaining production by the total remaining production by the total remaining production the total remaining the total r	rk will be performed or provided by progrations. If the operation is bandonment Notices shall be found inspection.)  completion, add pay with esaverde & Blanco Pictured (or R-11363).  royalty interest in the profis application needs to be allocated on a fixed percreflected on attached provincial in the subject well roduction.	de the Bond No. on results in a multiple ided only after all re to convert the s in the Menefee, red Cliffs Pools Cliffs (72359) Poposed comming e submitted. centage based a pocedure.	file with BLM/BI. completion or rec quirements, includ ubject well from as per the atta- pols are Pre-Ap gled pools are i ctual productions sed Pools with	A. Required su ompletion in a ding reclamation in a dual string e production ched proceed opproved for I identical, on reported in not reduce	bsequent reports shall be new interval, a Form 31 n, have been completed and the completed are completed as a second completed are complet	e filed within 30 days 60-4 shall be filed once
14. I hereby certify that the foregoing t	s true and correct. Electronic Submission For BP AMERICA F	#10797 verified PRODUCTION C	by the BLM We MPANY, sent	II Information to the Farmin	n System Igton	
Name (Printed/Typed) MARY CORLEY			Title AUTHO	ORIZED REI	PRESENTATIVE	
Signature (Electronic	Submission)		Date 03/18/2	2002		
	THIS SPACE F	OR FEDERA	. OR STATE	OFFICE U	SE	
Approved By			Title		Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equivient to condition would entitle the applicant to conditions.	uitable title to those rights in t	es not warrant or the subject lease	Office			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

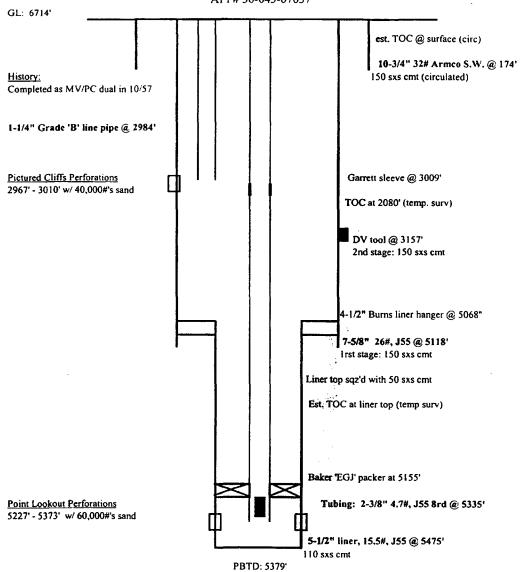
# Schwerdtfeger A LS #9 Procedure

- 1. Check anchors. MIRU workover rig.
- 2. Check and record tubing, casing, and bradenhead pressures.
- 3. Blow down wellhead. Kill with 2% KCL water ONLY if necessary.
- 4. Nipple down WH. NU BOPs.
- 5. TOH with 1-1/4" line pipe short string currently set at 2984'.
- 6. Release Baker 'EGJ' packer set at 5155' and TOH with 2-3/8" long string production tubing currently set at 5335'.
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- 8. RU WL unit. RIH with 5-1/2" wireline-set CIBP. Set CIBP at 5200'.
- RIH with 3-1/8" casing guns. Perforate Menefee formation, <u>2 spf.</u>
   4875', 4920', 4925', 4930', 4950', 5020', 5030', 5040', 5048', 5100', 5130', 5135'
- 10. RIH with 3-1/2" frac string and 7-5/8" packer. Set packer at 4700'.
- 11. RU frac equipment. Use 2% KCL-N2 foam in fracture stimulation.
- 12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Flush frac with foam.
- 13. Flowback frac immediately.
- 14. Release packer. TOH and LD frac string and packer.
- 15. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 5200'. Cleanout fill to PBTD at 5379'. Blow well dry at PBTD.
- 16. RIH with 2-3/8" production tubing.
- 17. Land 2-3/8" production tubing at 5325'.
- 18. ND BOP. NUWH. Return well to production & DHC MV & PC production.

ALLOCATION	Based on	2001 Annual	Production as	of 11/01/2001
Formation	BBL	%	GAS	%
Mesaverde	146	100%	41139	74%
Pictured Cliffs	0	00%	14305	26%

## Schwerdtfeger A LS #9

Sec 31, T28N, R8W API # 30-045-07037



#### NOTES:

1) Slickline run detected probable junk in the tubing

updated: 12/19/01 jad

Form 3160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
handoned well. Use form 3160-3 (ARD) for such proposals

5. Lease Serial No. NMSF - 079319

Do not use the abandoned we	6. If Indian, Allottee	or Tribe Name		
SUBMIT IN TRI	PLICATE - Other instruc	tions on reverse side.	7. If Unit or CA/Agr	eement, Name and/or No.
l. Type of Well  Oil Well  Gas Well Oth	ner	007 2072	8. Well Name and No SCHWERDTFE	
2. Name of Operator BP AMERICA PRODUCTION	COMPANY Contact: N	MARY CORLEY E-Mail: corleymi@bp.com	9. API Well No. 30-045-07037	
3a. Address P.O. BOX 3092 HOUSTON, TX 77253		3b. Phone No. (include area code Ph. 281.366.4491 Fx: 251.366.0700	10. Field and Pool, o BLANCO MV &	
4. Location of Well (Footage, Sec., T Sec 31 T28N R8W NENE 119		The same of the sa	11. County or Parish SAN JUAN CC	
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, REPORT, OR OTHE	ER DATA
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION	
☐ Notice of Intent  Subsequent Report	☐ Acidize ☐ Alter Casing	Deepen Fracture Treat	☐ Production (Start/Resume) ☐ Reclamation	□ Water Shut-Off □ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ Change Plans ☐ Convert to Injection	<ul><li>□ New Construction</li><li>□ Plug and Abandon</li><li>□ Plug Back</li></ul>	☐ Recomplete ☐ Temporarily Abandon ☐ Water Disposal	Other Subsurface Comminging
Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for f	ally or recomplete horizontally, good will be performed or provide to operations. If the operation restorated ment to the operation in the operation in the operation in the operation in the operation.)	ive subsurface locations and measume Bond No. on file with BLM/BI/ lits in a multiple completion or recidently after all requirements, included	ared and true vertical depths of all perions.  A. Required subsequent reports shall be ompletion in a new interval, a Form 31 ling reclamation, have been completed.	nent markers and zones. e filed within 30 days 60-4 shall be filed once
09/12/2002 MIRUSU. Check a w/1-1/4" short string set @ 29	all pressures. Blow down w 84'. Release PKR set @ 5	relinead. Kill W/2% KcL WTR 155' & TOH w/2-3/8" long st	ing set @ 5335'.	

09/12/2002 MIRUSU. Check all pressures. Blow down wellhead. Kill w/2% KcL WTR. NDWH. NU BOPs. TOH w/1-1/4" short string set @ 2984'. Release PKR set @ 5155' & TOH w/2-3/8" long string set @ 5335'. TIH w/scraper thru perfs. TOH. TIH w/CIBP & set @ 5195'. TIH w/3-1/8" CSG guns & perf Menefee formation w/2 JSPF, 12 shots /24 holes: 4875', 4920', 4925', 4930', 4950', 5020', 5030', 5040', 5048', 5100', 5130', 5135'. RU, TIH & set PKR @ 4700'. RU & frac w/88,139# 16/30 sand & 2% KCL-N2 foam. RU & flowback frac. TIH & tag fill @ 5169'. C/O to CIBP set @ 5195'. Milled out CIBP & chased down to PBTD @ 5379'. Circ hole clean. TOH. TIH w/2-3/8" production TBG & land @ 5315'. ND BOP. NUWH. Return well to production & DHC MV & PC production.

09/27/2002 RDMOSU.

14. I hereby certify that	the foregoing is true and correct. Electronic Submission #14695 verified For BP AMERICA PRODUCTION O Committed to AFMSS for processing	OMPAN	<ol><li>sent to the Farming</li></ol>	aton	
Name (Printed/Typed)	MARY CORLEY	Title	AUTHORIZED REP	RESENTATIVE	
Signature	(Electronic Submission)	Date	10/01/2002	war and Ton	sjät.
	THIS SPACE FOR FEDERA	L OR	STATE OFFICE U	SE .	
Approved By		Title		Date	
ertify that the applicant ho	uny, are attached. Approval of this notice does not warrant or olds legal or equitable title to those rights in the subject lease olicant to conduct operations thereon.	Office		MOTON FIELD GEVIL	iŁ

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV - (505) 476-3440

## Energy Minerals and Natural Resources Department

Form C-140 Revised 06/99

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 (505) 476-3440

SUBMIT ORIGINAL PLUS 2 COPIES TO APPROPRIATE DISTRICT OFFICE

JUL 2003 FIELDEIVED

OIL CONS. DIV.

UNST. 3

**APPLICATION FOR** WELL WORKOVER PROJECTAL

Operator and Well Operator name & address **BP America Production Company** 000778 P.O. Box 3092 Attn: Mary Corley Houston, TX 77253 Phone Contact Party **Mary Corley** 281-366-4491 Well Number Property Name **API Number** Schwerdtfeger A LS 30-045-07037 East/West Line Township Feet From The North/South Line Feet From The Range County UL Section 28N **W80** 1190 North 654 **East** San Juan A 31 Workover Previous Producing Pool(s) (Prior to Workover): Date Workover Commenced: 09/12/2002 Date Workover Completed: Blanco Mesaverde & Pictured Cliffs 09/27/2002 Attach a description of the Workover Procedures performed to increase production. III. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least IV. three months of production following the workover reflecting a positive production increase. AFFIDAVIT: Texas State of ) ss. County of being first duly sworn, upon oath states: Mary Corley I am the Operator, or authorized representative of the Operator, of the above-referenced Well. 1. I have made, or caused to be made, a diligent search of the production records reasonably available for this 2. Well. 3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate. Signature Title Senior Regulatory Analyst Date June 12, 2003 SUBSCRIBED AND SWERN-TO ay of July Patricia Bogo Disiena Notary Public, State of Te My Commission Expi Notary Public September 20, 2005 My Commission expires FOR OIL CONSERVATION DIVISION USE ONLY: **CERTIFICATION OF APPROVAL:** VI. This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division

hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on .2002 .

Signature District Supervisor	OCD District	Date
Charlie Theren	AZTEC II	7-15-2003

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: Form 3160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Strange,

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000 5. Lease Serial No.

	NOTICES AND REPORT				NMSF - 079319	
Do not use thi abandoned wel	s form for proposals to dr I. Use form 3160-3 (APD)	ill or to re-e for such pr	enter an oposals. —————		6. If Indian, Allottee of	r Tribe Name
SUBMIT IN TRI	PLICATE - Other instruction	ons on reve	rse side.		7. If Unit or CA/Agree	ment, Name and/or No.
1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Oth	er er				8. Well Name and No. SCHWERDTFEGI	ERALS 9
2. Name of Operator BP AMERICA PRODUCTION	Contact: M	ARY CORLE Mail: corleyml			9. API Well No. 30-045-07037	·····
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	F	b. Phone No. Ph: 281.366 x: 281.366.		)	10. Field and Pool, or BLANCO MV &	
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)				11. County or Parish, a	nd State
Sec 31 T28N R8W NENE 119	OFNL 654FEL				SAN JUAN COL	NTY, NM
12. CHECK APPF	ROPRIATE BOX(ES) TO I	NDICATE	NATURE OF	NOTICE, RE	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION		
☐ Notice of Intent	☐ Acidize	🗖 Деер	en	□ Producti	ion (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracti	ire Treat	☐ Reclama	ation	☐ Well Integrity
Subsequent Report	☐ Casing Repair	□ New	Construction	☐ Recomp	lete	Other
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug a	ind Abandon	☐ Tempor	arily-Abandon	Subsurface Commingli ng
13. Describe Proposed or Completed Ope	☐ Convert to Injection	☐ Plug		☐ Water D	•	
following completion of the involved testing has been completed. Final Ab determined that the site is ready for fit 09/12/2002 MIRUSU. Check a w/1-1/4" short string set @ 29/11H w/scraper thru perfs. TOH formation w/2 JSPF, 12 shots 5048', 5100', 5130', 5135'. RU foam. RU & flowback frac. TIH down to PBTD @ 5379'. Circ is NUWH. Return well to product 09/27/2002 RDMOSU.	andonment Notices shall be filed on all inspection.)  Ill pressures. Blow down we 84'. Release PKR set @ 515'.  TIH w/CIBP & set @ 515'.  Z4 holes: 4875', 4920', 492', 492', 492', 492', 492', 492', 492', 71H & set PKR @ 4700'. RI & tag fill @ 5169'. C/O to Chole clean. TOH. TIH w/2-3/tion & DHC MV & PC produ	Ilhead. Kill v 55' & TOH w '. TIH w/3-1, 25', 4930', 4 U & frac w/8 IBP set @ ! 8" productio	quirements, includ 1/2% KcL WTR 1/2-3/8" long str 8" CSG guns 8 950' 5020' 50	ling reclamation  N. NDWH. NL  ring set @ 53  perf Menefo	i, have been completed, a J BOPs. TOH 335'. ee	0-4 shall be filed once and the operator has
	For BP AMERICA PROD Committed to AFMSS for p	DUCTION CO processing b	MPANY, sent t y Matthew Halt	o the Farming pert on 10/18/2	iton 2002 ()	
Name (Printed/Typed) MARY CO	RLEY		Title AUTHO	RIZED REP	RESENTATIVE	
Signature (Electronic S	ubmission)		Date 10/01/2	002	_	
	THIS SPACE FOR	FEDERAL	OR STATE	OFFICE US	SE .	
Approved By			Title		a sessible of	Date
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent to condust the applicant the applicant to condust the applicant the applicant to condust the applicant t	itable title to those rights in the sul		Office		1:1"	3 32
Fitle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a crir tatements or representations as to a	ne for any pers any matter with	on knowingly and in its jurisdiction.	willfully to ma	ke to any department of	Selly Mariante

District 1 1625 N. French Dr., Hobbs, NM 88240 District\_II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

March 19, 2001 Submit 1 copy of the final affected

Form C-104B

wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

# **Change of Operator Name**

OGRID: Effective Date:	000778 12/31/2001			
Previous Op	erator Name and Informatio	n:	New Operațo	or Name and Information:
Address: Address:	Amoco Production Comps P.O. Box 3092 Houston, Texas 77253		Address:	P.O. Box 3092  Houston, Texas 77253
Signature:  Printed name:  Title:	tat the rules of the Oil Conservation ttached list of wells is true and conservation of the Oil Conservation ttached list of wells is true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation of the Oil Conservation true and conservation true and	omplete to the bes		vith and that the information given on dge and belief.
		Signature: _ Printed Name: _ District: _ Date:	SUPER	D Approval  VISOR DISTRICT #3  JAN 2 2 2902



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

PWV 504/2256684

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

**ADMINISTRATIVE ORDER DHC-3263** 

BP America Production Company P.O. Box 3092 Houston, TX 77253

Attention: Mary Corley

Schwerdtfeger A LS Well No. 9
API No. 30-045-07037
Unit A, Section 31, Township 28 North, Range 8 West, NMPM,
San Juan County, New Mexico
South Blanco-Pictured Cliffs (Prorated Gas - 72439),
Undesignated Otero-Chacra (Gas - 82329), and
Blanco-Mesaverde (Prorated Gas - 72319) Pools

Dear Ms. Corley:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division 303C(1)(f), the allocated production from any prorated pool in the commingled wellbore shall not exceed the applicable allowable.

Allocation percentages for assignment of allowable to the well and allocation of production from the well shall be supplied to the Division office in Santa Fe within 60 days following completion of the well. Thereafter, these percentages shall be amended only with permission of the Division office in Santa Fe.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Administrative Order DHC-3263 BP America Production Company May 1, 2004 Page 2 of 2

Pursuant to Rule 303C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 1st day of May 2004.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOANNA PRUKOP Acting Division Director

JP/wvjj

cc:

Oil Conservation Division - Aztec

Bureau of Land Management - Farmington

# DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

December 26, 1957

El Paso Natural Gas Company Box 1492 El Paso, Texas

Attention: Mr. T. W. Bittick

Administrative Order NWU-243

#### Gentlemen:

Reference is made to your application for approval of a 304.80-acre non-standard gas proration unit in the Blanco Mesaverde Gas Pool consisting of the following acreage:

## Township 28 North, Range 8 West Section 31: E/2

It is understood that this unit is to be ascribed to your Schwerdtfeger WelllNo. 9-A, located 1190 feet from the North line and 654 feet from the East line of said Section 31.

By authority granted me under provisions of Rule 1 (b), Section 15 of the Special Rules and Regulations for the Blanco Mesaverde Gas Pool, as set forth in Order R-128-D, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with pool rules, based upon the unit size of 304.80 acres.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

DSN:ong

cc: Oil Conservation Commission, Aztec

Page: 1 Document Name: untitled

INQUIRE WELL COMPLETIONS ONGARD

OG6 I WCM CMD :

04/30/04 18:51:20 OGOMES -TPES

API Well No: Pool Idn 72319 BLANCO-MESAVERDE (PRORATED GAS)

ω 0

45

7037

Eff Date : 01-01-1900

WC Status : A

OGRID Idn 778 BP AMERICA PRODUCTION COMPANY

Prop Idn 1033 SCHWERDTFEGER A LS

Well No 009

GL Elevation: 6714

U/L Sec Township Range North/South East/West Prop/Act(P/A)

B.H. Locn **ω** 28N W80 FTG 1190 F N FTG 654 F 旺 Ч

Lot Identifier:

Dedicated Acre: 304.80

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : Lease Type

M0025: Enter PF keys to scroll

PF07 PF01 PF02 PF08 PF09 PF03 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

E0005 PF01 HELP PF07 BKWD		CMD: OG6ACRE  API Well No Pool Idn Prop Idn Spacing Unit Sect/Twp/Rng Dedicated La
5: Enter data PF02 PF08 FWD	P O	: 30 45 : 72319 : 1033 : 35336 : 35336
to modify PF03 EXIT PF09	U/L Sec A 31 B 31 G 31 H 31 I 31 I 31 J 31 J 31 J 31 J 31 J 31	ONGAR: C102-DEDICA: 7037 Eff Dat: BLANCO-MESAVERDE SCHWERDTFEGER A OCD Order: 08W Acreage:
or PF ke PF04 PF10	Twp Rng A 28N 08W 28N 08W 28N 08W 28N 08W 28N 08W 28N 08W 28N 08W 28N 08W 28N 08W	D TE A e : (PR LS
keys to sc 04 GoTo 10 LAND	Acreage 40.00 40.00 40.00 40.00 40.00 32.20	REAGE 4-30-19 RATED G
scroll PF05 PF11	L/W	.991 GAS) Simulta Revised
NXTSEC	Ownershi FD FD FD FD FD FD FD FD FD	neou C10
PF06 CONFIRM PF12 RECONF	Ownership Lot Idn FD FD FD FD FD FD FD FD FD FD FD FD FD	04/30/04 18:51:24 OGOMES -TPES Page No : 1 91 AS) Well No : 009 Simultaneous Dedication: Revised C102? (Y/N) :

PF01 PF07		30	30	30	30	30	30	30	API	OGR Poc API		CMD 0G6
		45	45	45	45	45	45	<b>4</b> 5	Well	OGRID I Pool Id API Wel		CMD : OG6IPRD
M0025: HELP P BKWD P	Rep	7037	7037	7037	7037	7037	7037		l No	OGRID Identifier Pool Identifier API Well No		J
Enter PF F02 F08 FWD	Reporting Period Total	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	HWERDTFEG	Property Name	r: 77; : 72319 : 30 4;		IJ
keys to PF03   PF09	d Total	ER A LS	ame	133		ONGARD INQUIRE PRODUCTION						
scroll EXIT	(Gas,	3 07	3 06	3 05	3 04	3 03	02	3 01	Pr	MERICA )-MESA\ 7 Repor		ONG
	oil)	03	03	03	03	03	03	. 03	 Prodn. MM/YY	PROI ÆRDI et Pe		ONGARD DUCTION
PF04 GoTo	:	31	31	31	31	31	31	31	. Days Prod	UCTION (PRORA riod -		N BY POOL/WELL
PF05		5479	5769	5811	6345	6878	5432	7477	Production Gas	0		L/WELL
NXTOGD	1									2003		0
PF06 PF12	1 1 1 1 1 1 1								lumes	To : 04	Pa	04/30/04 18:51:38 OGOMES -TPES
CONFIRM		15		20	20	40		20	Water	4 2004	Page No:	/04 18:5
RM		ש	ש	שי	Ъ	Ή	Ή	Ą	Well Stat	<del></del>	μ.	:51:38 -TPES

		PF12	NXTOGD	OOL PF11	10 NXTPOOL	PF10	PF09	PF08 FWD	BKWD		PF07
RM	CONFIRM	PF06			ဝှ	e scrolling. EXIT PF04	continu PF03	9: User may PF02	E0049: HELP P		PF01
	222			81237	  ! !	(Gas, Oil)	Total	Reporting Period	Repo		
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Ъ				5668	31	01 04	BER A LS	SCHWERDTFEGER	7037	45	30
Ъ	15			5818	31	12 03	BER A LS	SCHWERDTFEGER	7037	45	30
Ъ	17			5694	31	11 03	GER A LS	SCHWERDTFEGER	7037	45	30
Ъ	43			5793	31	10 03	BER A LS	SCHWERDTFEGER	7037	45	30
שי				5891	31	09 03	BER A LS	SCHWERDTFEGER	7037	45	30
Ā	7			7	31	08 03	BER A LS	HWERDTFE	7037	<b>4</b> 5	30
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Well		Volumes		Production	Days	Prodn.	Name	Property Name	ll No	I Well	AΡ
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	2004	To : 04	2003	From : 01	RDE (PRORATED) Period - From	BLANCO-MESAVERDE 7037 Report Pe	σ	r : 7231 : 30	Identifie: ell No	Σ;	Pool API 1
				COMPANY	UCTION	BP AMERICA PRODUCTION COMPANY	ω	••	Identifier	O	OGI
N	Page No:	Pag									
TPES	OGOMES -TPES	060		L/WELL	ву Рос	RODUCTION	INQUIRE PRODUCTION BY POOL/WELL		U	OG6IPRD	066
1:41	18:5	04/30/04 18:51:41	04			ONGARD					CMD

Page: 1 Document Name: untitled

CMD: OG6IWCM INQUIRE WELL COMPLETIONS ONGARD

04/30/04 18:51:48 OGOMES -TPES

API Well No : 7037 Eff Date : 01-01-1900 WC Status : A

Pool Idn 72439 BLANCO P. C. SOUTH (PRORATED GAS)

OGRID Idn 778 BP AMERICA PRODUCTION COMPANY

Prop Idn 1033 SCHWERDTFEGER A LS

Well No 009

GL Elevation: 6714

U/L Sec Township Range North/South East/West Prop/Act(P/A)

B.H. Locn **3**1 28N W80 FTG 1190 F N FTG 654 F 王 Ч

Lot Identifier:

Dedicated Acre: 160.00

Lease Type Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O):

PF07 PF01 HELP PF08 PF02

PF03 PF09 EXIT

PF04 GoTo

PF05

PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF06

OG6ACRE CMD : Spacing Unit Dedicated Land: Sect/Twp/Rng Pool Idn API Well No Prop Idn 30 31 28N 08W Acreage ß 72439 BLANCO P. C. SOUTH (PRORATED GAS) 36255 OCD Order : 1033 SCHWERDTFEGER A LS 45 Base U/L Sec 7037 H G B Þ C102-DEDICATE ACREAGE Eff Date: 04-30-1991 ONGARD 28N 28N 08W 28N Twp Rng Acreage 28N 08W 08W 08W 160.00 40.00 40.00 40.00 40.00 Revised C102? (Y/N) Simultaneous Dedication: T/M **zzz** Ownership 급 급 E E 04/30/04 18:51:52 Well No: 009 Page No : OGOMES -TPES Lot Idn

PF01 PF07 BKWD HELP E0005: Enter data to modify or PF keys to scroll PF02 PF08 FWD PF09 PF03 EXIT PF04 GoTo PF10 LAND PF05 PF11 NXTSEC PF12 RECONF PF06 CONFIRM

PF01 PF07		30	30	30	30	30	30	30	† !	API	API	OGRID Pool		CMD
M 1 HELP 7 BKWD		4 5	<b>4</b> 5	<b>4</b> . 5	<b>4</b> 5	<b>4</b> 5	45	4 5	! ! !	Well	Well No	П		CMD : OG6IPRD
M0025	Repo	7037	7037	7037	7037	7037	7037	7037	       	No	No	D Identifier Identifier		
M0025: Enter PF PF02 D PF08 FWD	Reporting Period Total	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	HWERDTF	1 1 1 1 1 1 1 1 1	Property Name	: 30 45	r: 72		н
keys to scr PF03 EXIT PF09		ER A LS	ER A LS	ER A LS	ER A LS	ER A LS	ER A LS	ER A LS			5 7037 Report	BP AMI BLANCO		INQUIRE PRO
011	(Gas, Oil)	07 03	06 03	05 03	04 03	03 03	02 03	01 03	 XX/WW	Prodn.	eport Pe	ICA PROD. C. SOU		ONGARD PRODUCTION BY
PF04 GoTo		31	31	31	31	31	31	31	Prod	Days	Period -	UCTION TH (PF		BY PC
PF05 OOL PF11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1925	2027	2042	2229	2417	1908		Gas	Production	From : 01	AMERICA PRODUCTION COMPANY CO P. C. SOUTH (PRORATED GAS)		POOL/WELL
NXTOGD	 	17	14	44	50	9	30	9	0il		2003 To			04/
PF06 PF12	1 1 1 1								1 1 1	ב	. 04		Pag	04/30/04 OGOM
 CONFIRM	1 1 1	15		20	20	40		20	Water 		2004		Page No:	18 ES
RM		Ā	ש	ש	ש	Ή	Ή	Ъ	Stat		1 1 1 1		ш	18:52:00 ES -TPES

CMD: OG6IPRD OGRID Identifier: 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 04/30/04 18:52:05 Page No: 2 OGOMES -TPES

: 72439 BLANCO P. C. SOUTH (PRORATED GAS)

: 30 45 7037 Report Period - From : 01 2003 To : 04 2004

Pool Identifier API Well No

PF01 PF07		30	30	30	30	30	30	30	API
E 1 HELP 7 BKWD		45	<b>4</b> 5	45	45	45	45	45	Well No
E004 P	Rep	7037	7037	7037	7037	7037	7037	7037	No
E0049: User may c P PF02 D PF08 FWD	Reporting Period Total (Gas, Oil)	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	SCHWERDTFEGER	Property Name
may continue scrolling PF03 EXIT PF0 WD PF09 PF1	Total	A	R A LS	R A LS	R A LS	RALS	R A LS	R A LS	.me
scroll XIT	(Gas, O	02 04	01 04	12 03	11 03	10 03	09 03	08 03	Prodn MM/YY
ing. PF04 PF10	il)							ω	
GoTo	•• ! !	29	31	31	3 1	31	31	ř	Days Prod
ing. PF04 GoTo PF05 PF10 NXTPOOL PF11 NXTOG	30775	3440	1992	2044	2001	2035	2070	2018	Production Gas
	467	29	45	31	17	64	ω	л	10 1
PF06 PF12	 								Volumes Vil V
CONFIRM	222	25		15	17	43		7	Water
RM		ħ	Ч	Ы	ч	Ъ	Ъ	Ą	Well Stat

Sec : 31 Twp : 28N Rng : 08W Section Type : NORMAL

31 Twp : 28N Rng : 08W Section Type : NORMAL	C B A 40.00	al owned   Federal owned   Federal owned   A	F G H 40.00 40.00	ral owned Federal owned Federal owned A A A A A A A A A A A A A A A A A A A	K J 40.00 40.00	cal owned Federal owned Federal owned A	5 6 7 32.20 32.60	ral owned   Federal owned   Federal owned
Sec : 31 Twp	36.77	Federal owned A A	36.80	Federal owned A	36.83	Federal owned A A	4 28.95	Federal own