

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. **079319**
Unit **Schwerdtfeger**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 16, 1957

Well No. **9-A(FM)** is located **1190** ft. from **WEST** line and **654** ft. from **E** line of sec. **31**
NE Section **31** **28N** **2W** **N.M.P.M.**
 (1/4 Sec. and Sec. No.) **Blanco N.V. & Co. Blanco P.C.** (Twp.) (Range) (Meridian)
S. Blanco (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **7324** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill & dual complete a well in the Pictured Cliffs formation & Mesa Verde formation. Mud circulation will be used thru the Pictured Cliffs formation & set intermediate casing. Gas circulation will be used thru the Mesa Verde & a production liner will be set. Possible productive intervals will be perforated & fractured. Estimated Total Depth 6045'.

Casing Program:

10-3/4" at 170' with 125 sacks cement circulated to the surface.

7-5/8" at 3670' with 250 sacks cement.

5-1/2" liner at 6045' with 300 sacks cement.

The E/2 of Section 32 is dedicated to the Mesa Verde.

The NE/4 of Section 32 is dedicated to the Pictured Cliffs.

E/2 & NE/4 Section 32- SP 079319.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Company**
 Address **Box 997**
Farmington, New Mexico

By **ORIGINAL SIGNED E. J. COEL**
 Title **Petroleum Engineer**



APRIL 15, 1957

EL PASO NATURAL GAS COMPANY

SCHMERDTFEGER "A"

SF 079319

9 (PM)

31

28 N

8 W

1190

NORTH

654

EAST

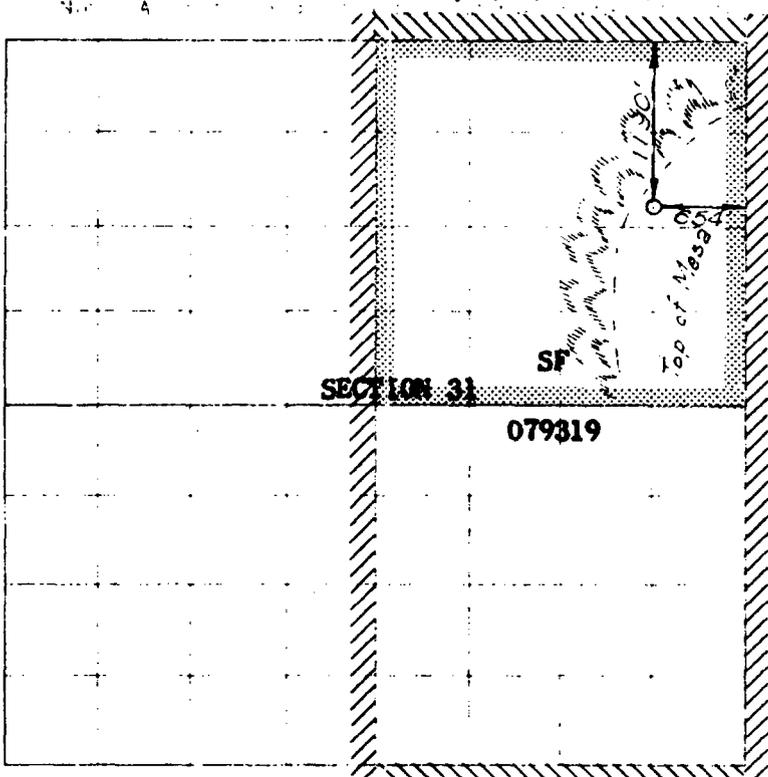
SAN JUAN

7314

PC & MV

~~80, BLANCO~~
BLANCO
J. Blanco P.C.

160 AC. PC
308.8 AC. MV
(1919 FLAT)



NOTE:
 This is a true and correct copy of the original of the above described well location.

I hereby certify that the above is a true and correct copy of the field notes, of actual survey, made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed **MARCH 15, 1957**

E. J. Coel
 Registered Professional Engineer and of Land Surveyor

I am well acquainted with the above described well location.
 Yes No
 If the above is a true and correct copy of the original of the above described well location, I will complete the same and file the same with the proper authorities.
 Yes No

ORIGINAL SIGNED E. J. COEL

Position **Petroleum Engineer**

Company **El Paso Natural Gas**

Address **Box 997, Farmington, N.M.**

Scale

Farmington, New Mexico

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

April 19, 1957

El Paso Natural Gas Company
P. O. Box 997
Farmington, New Mexico

Attention: Mr. E. J. Coal

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 unorthodox well location is based upon extreme topographic conditions in the NE/4 of said section.

Inasmuch 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 unorthodox well location. You must also obtain like approval from the U. S. Geological Survey.

Very truly yours,

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

ga

cc Oil Conservation Commission - Artec
USGS-Farmington



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 (PM), is to be dual completed in the Pictured Cliffs and Mesa Verde formations. It is located 1190 feet from the North line and 65 $\frac{1}{4}$ 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

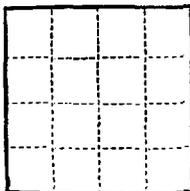
E. J. Coel
Senior Petroleum Engineer

EJC/gks
Encl.

cc: R. L. Hamblin
Emery Arnold
Phil McGrath

COPY





(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079319
Unit Schwarzfeger

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 23, 19 57

Well No. 9-A(FM) is located 1190 ft. from N line and 654 ft. from E line of sec. 31

NE Section 31 26N 6W N.M.F.M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

So. Blanco & Blanco San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6724 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This plat is re-issued to show corrected elevation.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company
Address Box 997
Farrington, New Mexico

By Original Signed EVEL N. WALSH
Title Petroleum Engineer

APRIL 15, 1957

EL PASO NATURAL GAS COMPANY

SCHWERTFEGER "A"

SF 079319

9 (PM)

31

28 N

8 W

1190

NORTH

654

EAST

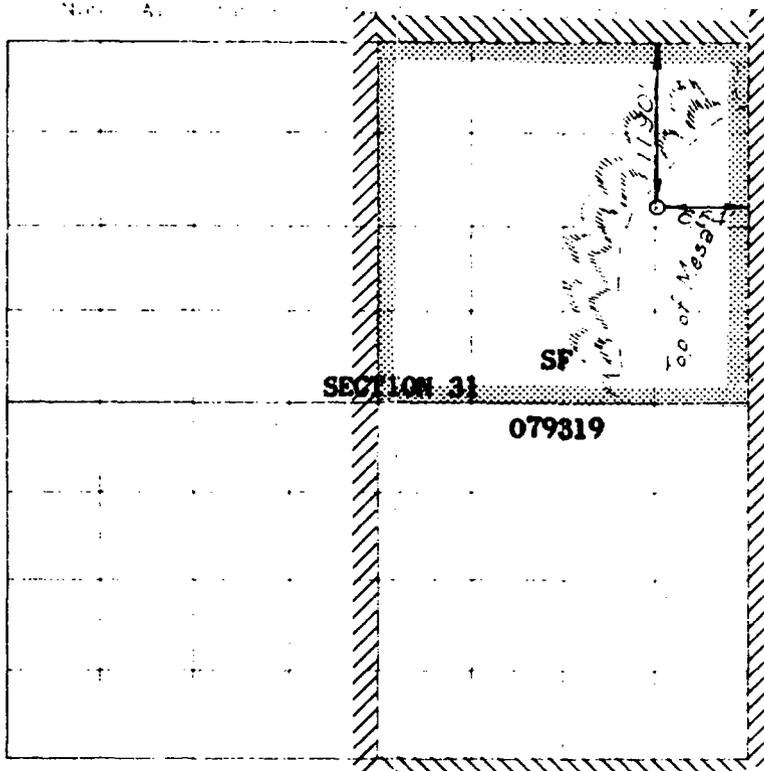
SAN JUAN

6714

PC & MV

SO. BLANCO
BLANCO

160 AC. PC
308.8 AC. MV
(1919 PLAT)



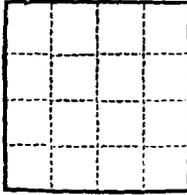
APR 15 1957
S. GEOLOGICAL SURVEY
ALBUQUERQUE, N.M.

RECEIVED
APR 25 1957
OIL CON. COM.
DIST. 3

This plat certifies that the above plat was prepared from field notes of actual survey made by me or under my direction and that the same are true and correct to the best of my knowledge and belief.

Date surveyed MARCH 15, 1957
E. O. Walker
Registered Professional Engineer and/or Land Surveyor

I, the Well Owner, do hereby certify that the above plat is a true and correct copy of the original signed by me or under my direction and that the same are true and correct to the best of my knowledge and belief.
Yes No
I, the Well Owner, do hereby certify that the above plat is a true and correct copy of the original signed by me or under my direction and that the same are true and correct to the best of my knowledge and belief.
Yes No
Name Original Signed EWELL N. WA' SH
Prof. Eng. Petroleum Engineer
El Paso Natural Gas
Box 997, Farmington, N.M.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079319
Unit Schwerdtfeger

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
SEP 20 1957

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 26, 1957

Well No. 2-A (PM) located 1190 ft. from N line and 654 ft. from E line of sec. 31
NE Sec. 31 26N 0N N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco & So. Blanco r. C. Sau Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6724 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud date 9-9-57.

On 9-10-57 Total Depth 175'.

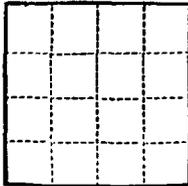
Ran 4 joints, 10 3/4", 32.75#, Araco S. W. casing (162') set at 174' with 150 sacks regular cement circulated to surface.

Held 500# 30 minutes.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company
 Address Box 997
Farrington, New Mexico
 By Original Signed D. C. Johns'on
 Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079319
Unit Schwerdtfeger

RECEIVED

OCT 10 1957

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 9, 1957

Well No. 9-A is located 1190 ft. from N line and 654 ft. from E line of sec. 31

NE/4 Section 31 20N 0W N.M.F.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco Mesa Verde & Blanco P. C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6724 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10-4-57 Total depth 5400'.
Ran 13 joints 5 1/2", 15.50#, J-55 liner (407') set from 5066 to 5475'
with 55 sacks regular cement, 55 sacks Pozmix, 6# gel,
Held 1000# for 30 minutes.
Top of cement by temperature survey at 5066'.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

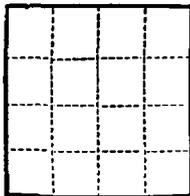
Company El Paso Natural Gas Company

Address Box 997

Farmington, New Mexico

By Original Signed D. C. Johnston

Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079319
Unit Schwerdtfeger

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Water Frac.</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 9, 1957

Well No. 9-A is located 1150 ft. from N line and 654 ft. from E line of sec. 31

NE/4 Section 31 20N 8W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Mesa Verde & Blanco P. C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

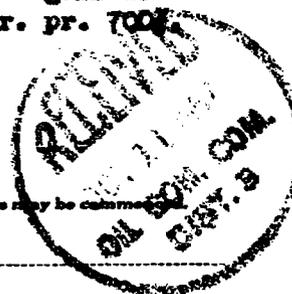
The elevation of the derrick floor above sea level is 6724 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10-6-57 Total depth 5400'. C.O.F.D. 5379. Water fraced. Point Lockout perf. int. 5227-49; 5257-62; 5283-98; 5304-21; 5343-73 (2 holes per ft.) w/71,900 gallons water and 60,000# sand. BD pr. 1800, 400, 850#, max. tr. pr. 375, 500, 750#, avg. tr. pr. 150, 450, 700#. IR 68.9 BFM. Flush 11,000 gallons.

Injected 2 sets of balls (53 balls each set) for 3 stages.
60-6-57 Total depth 5400'. Temporary bridge plug at 5200'. Water fraced. Pictured Cliffs perf. int. 2967-3010 (2 holes per ft.) with 38,400 gallons water and 40,000# sand. BD pr. 1800#, max. tr. pr. 950#, avg. tr. pr. 700#. IR 63.7 BFM. Flush 6700 gallons.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

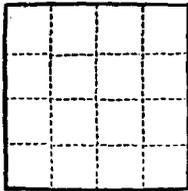
Company El Paso Natural Gas Company

Address Box 997

Farmington, New Mexico

By Original Signed D. C. Johnston

Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079319
Unit Schwarzfeger

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	<input type="checkbox"/>
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 7, 1957

Well No. 9A is located 1190 ft. from [N] line and 654 ft. from [E] line of sec. 31
NE/4 31 20N 8W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco & So. Blanco F. C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

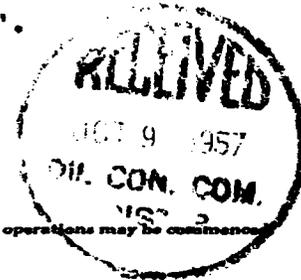
The elevation of the derrick floor above sea level is 6724 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On 9-30-57, Total depth 5120'.
 Ran 118 joints 7 5/8", 26.40#, J-55 casing (5108') set at 5118'. Two stage cementing tool at 3157'. First stage 75 sacks regular cement, 75 sacks Pozmix with 4% gel and 1/4# Flocele per sack. Second stage 75 sacks regular cement, 75 sacks Pozmix with 4% gel and 1/4# Flocele per sack. Held 1000#/30 minutes.

Top of cement by temperature survey on second stage at 2000'.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company
 Address Box 997
Farmington, New Mexico
 By Original Signed D. C. Johnson
 Title Petroleum Engineer

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 $\frac{1}{4}$ Section 31-26N-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. L. Porter in Santa Fe,

Yours very truly

Emery C. Arnold
Supervisor, District #3

ECA:ks

cc: Mr. A. L. Porter
OCC, Santa Fe, N.M.

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.

Order No. DC-527

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 Sub-section '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 mechanics 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

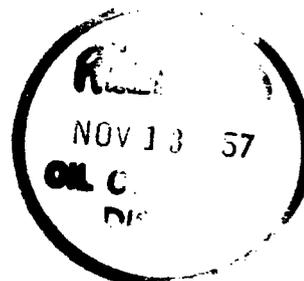
✓
El Paso Natural Gas Company *Mr. L. Porter*

El Paso, Texas

November 5, 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 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 (FM) 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 Lookout 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" EUE 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.



COPY

8. 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 zones. 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 Company holds all leases immediately adjacent to the drilling 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 28 North, Range 8 West to the Mesa Verde formation and the NE/4 of Section 31, Township 28 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. OBERLY

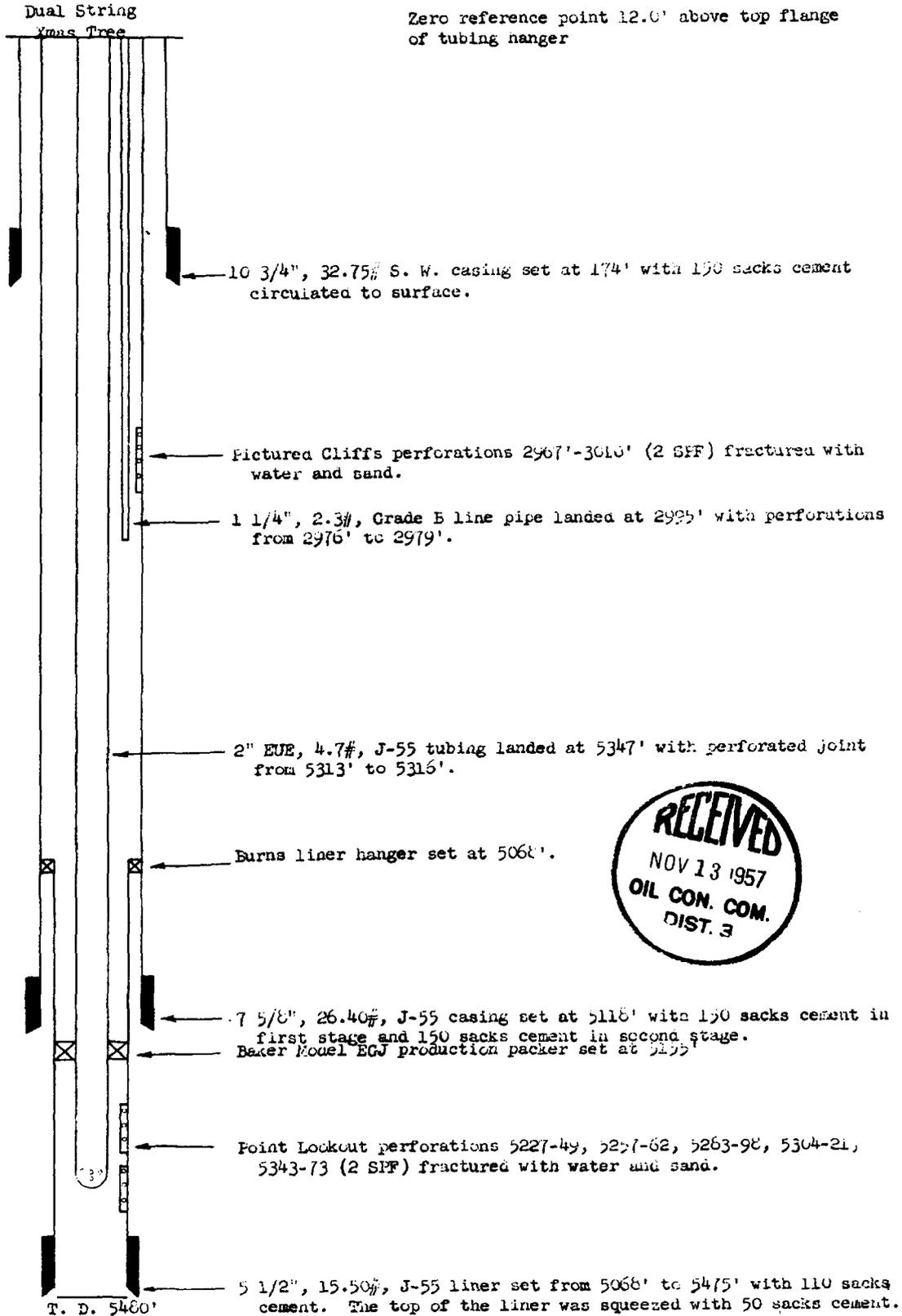
E. S. Oberly
Division Petroleum Engineer

ESO/agb
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-7-W



STATE OF NEW 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 Natural Gas Company Schwerdtfeger 9-A (FM) Well located in the NE/4 of Section 31, Township 28 North, Range 8 West, N.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. Mahaffey

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 1 day of Nov, 1957.

Paul D. [Signature]
Notary Public in and for San Juan County,
New Mexico

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" 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

<u>Time Minutes</u>	<u>PC Flowing Pressure Casing Psig</u>	<u>MV SIPT Psig</u>	<u>PC Working Pressure, Psig</u>	<u>Temp ° F</u>
15	632	1014		61
30	609	1015		62
45	594	1015		63
60	574	1015	587	65
120	512	1015	525	66
180	477	1016	492	68

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

<u>Time</u> <u>Minutes</u>	<u>MV Flowing Pressure</u> <u>Tubing Psig</u>	<u>PC SIPC Psig</u>	<u>MV Working</u> <u>Pressure, Psig</u>	<u>Temp ° F</u>
15	579	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

R. R. Davis
Gas Engineer

RRD/jla

cc: ~~E. J. Coel, Jr.~~
W. M. Rodgers
E. S. Oberly (6)
File

EL PASO NATURAL GAS COMPANY
GAS WELL TEST

To: Mr. E. E. Alsup

Date: October 28, 1957

From: 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

Location Sec. 31 T. 28N R. 8W, 1190'N, 654'E

Shut-In Pressure P.C. SIPC 804 psig ; (Shut-in 12 days)
P.C. SIPT 804 psig
M.V. SIPT 1044

0.750" Choke Volume 5301 MCF/D @ 14.7 psia and 60° F. for 0.6 gravity gas. Flow through tubing for 3 hours.

Calculated 3 Hour Absolute Open Flow 13,544 MCF/D

Working Pressure On Calculated = 880 Psig

Producing Formation Mesa Verde

Stimulation Method Sand Water Frac.

Total Depth 5480 - c/o 5383

Field Blanco

H2S Sweet to lead acetate.

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

cc: D. H. Tucker

Bill Parrish
Dean Rittmann
E. S. Oberly (6)
Samuel Smith

Lewis D. Galloway
L. D. Galloway

W. M. Rodgers
Wayne Cheek
Drilling Department
B. D. Adams

Medium fog of fresh water during entire test period.

Jack Purvis
C. C. Kennedy
E. J. Coel, Jr.
A. J. Dudenhoeffler
File

EL PASO NATURAL GAS COMPANY
GAS WELL TEST

To: Mr. E. E. Alsup
From: Gas Engineering Department

Date: October 16, 1957
Place: Farmington, New Mexico

DUAL COMPLETION

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

Tested By: Robert R. Davis. Checked by: Tom Grant

Location Sec. 31 T. 28N R. 8W, 1190'N, 654'E

Shut-In Pressure P.C. SIPC 768 psig ; (Shut-in 7 days)
P.C. SIPT 768 psig
M.V. SIPT 1013 psig

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

Calculated 3 Hour Absolute Open Flow 9601 MCF/D

Working Pressure On tubing = 492 Psig

Producing Formation Pictured Cliffs

Stimulation Method Sand Water Frac.

Total Depth 5480 - c/o 5383

Field South Blanco

H2S Sweet to lead acetate.

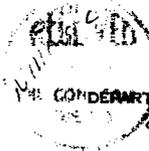
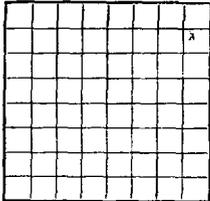
Final SIPT (MV) - 1016 psig; packer at 5155; sleeve at 3009

- cc: D. H. Tucker
- ~~R. H. Warr~~
- ~~R. E. Wells~~
- ~~C. D. Walker~~
- W. M. Rodgers
- Wayne Cheek
- Drilling Department
- B. D. Adams
- ~~R. H. Warr~~
- Jack Purvis
- ~~R. E. Wells~~
- C. C. Kennedy
- E. J. Coel, Jr.
- A. J. Dudenhoefter
- File

- Bill Parrish
- Dean Rittmann
- E. S. Oberly (6)
- Samuel Smith

L. D. Galloway
L. D. Galloway
by T B G

Light fog during test.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 257, Farmington, New Mexico
Lessor or Tract Schwerdtfeger Field Blanco State New Mexico
Well No. 5-172 Sec. 31 T. 23N R. 34W Meridian S.M.P.M. County San Juan
Location 1170 ft. N of S Line and 674 ft. E of W Line of Section 31 Elevation 5724

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Original signed D. G. Johnson
Signed _____ Title petroleum Engineer

Date November 12, 1921
The summary on this page is for the condition of the well at above date.
Commenced drilling 1921, 19 27 Finished drilling 1921, 19 27

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 2902 to 3043 (G) No. 4, from 5220 to 5410 (G)
No. 2, from 4625 to 4659 (G) No. 5, from _____ to _____
No. 3, from 4659 to 5228 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Perforated		Purpose
						From-	To-	
10 3/4	32.75	5 E.	S.W.	102'	Howco			Surface
7 7/8	23.7	5 Ad.	S.W.	2100'	Baker			From Csg.
5 1/2	15.7	5 Ad.	S.W.	400'	Baker			From Csg.
2	4.7	5 Ad.	S.W.	335'	Howco			Prod. tubing
1 1/2	2.7	5 Ad.	Grade	200'	Howco			Shimons

MUDDING AND CEMENTING RECORD

Size casing	Wheng out	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	174'	150	Circulated		
7 7/8	2100'	300	2 Stages (150 sacks each stage)		
5 1/2	2000-2412'	150	Single stage (150 sacks)	84.4 w/50 sacks	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____ Lower E.C. packer at _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

See well history

TOOLS USED

Rotary tools were used from 1170 feet to 1121 feet, and from 1121 feet to 2410 feet
Cable tools were used from _____ feet to 1170 feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19 21
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1044 (30) A.S.F. = 50 C. 2001 MCF/D 13,744

EMPLOYEES

_____, Driller _____ Driller
_____, Driller _____ Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	2032	2032	Tan to gry. cr-grn ss interleaved w/gry sh.
2032	2101	125	Co. Alam. ss. White cr-grn s.
2101	2695	532	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2695	2902	209	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2902	3043	61	pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3043	4020	1305	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4020	4625	31	Cliff House ss. Gry, fine-grn, dense silt ss.
4625	5220	769	Menefee form. Gry, fine-grn s, carb sh & coal.
5220	5410	182	Foist Lookout form. Gry, very fine silt ss w/frequent sh breaks.
5410	5410	70	Mancos formation. Gry carb sh.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(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 Gas Company Lease Schwerdtfeger

Well No. 9-A (FM) Unit Letter A S 31 T 28N R 8W Pool So. Blanco P. C.

County San Juan Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Company

Address _____
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 997, Farmington, New Mexico
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well _____ (x)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other _____ ()

Remarks: _____ (Give explanation below)



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 20th day of November 1957

By Original Signed D. C. Johnston

Approved NOV 29 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

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
~~Recompletion~~

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 QUADRUPPLICATE 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.

Farmington, New Mexico

November 20, 1957

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Co. Schwerdtfeger, Well No. 9-A (FM), in NM 1/4 NR 1/4,
(Company or Operator) (Lease)

A San Juan, Sec. 31, T. 28N, R. 8W, NMPM., So. Blanco P. C. Pool

County. Date Spudded 9-9-57 Date Drilling Completed 10-3-57
Elevation 6714 Total Depth 5480' SPC.O. 5379

Please indicate location:

D	C	B	A
			X
E	F	G	H
L	K	J	I
M	N	O	P

1190'N, 654'E

Top Oil/Gas Pay 2967' (Perf.) Name of Prod. Form. Pictured Cliffs

PRODUCING INTERVAL -

Perforations 2967-3010

Open Hole None Depth Casing Shoe 5118' Depth Tubing 5335'

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

GAS WELL TEST -

Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

Tubing, Casing and Cementing Record

Size	Feet	Size
10 3/4"	162'	150
7 5/8"	5108'	300
5 1/2"	407'	160
2"	5335'	---
1 1/4"	2984'	---

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 9601 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Calculated A. O. F.

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 38,400 gal. water and 40,000# sand.

Casing Tubing Date first new Press. 768 oil run to tanks

Oil Transporter El Paso Natural Gas Products Company

Gas Transporter El Paso Natural Gas Company

Remarks: Baker "EGJ" Packer at 5155'; Garrett Sleeve at 3009'



I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved: NOV 29 1957, 19.....

El Paso Natural Gas Company

(Company or Operator)

By: Original Signed D. C. Johnston
(Signature)

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arujo

Title: Petroleum Engineer

Title: Supervisor Dist. # 3

Send Communications regarding well to:

Name: E. S. Oberly

Address: Box 997, Farmington, 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
RECOMPLETION

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 QUADRUPPLICATE 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.

Farmington, New Mexico November 20, 1957
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Company Schwerdtfeger, Well No. 9-A (FM), in NE $\frac{1}{4}$ NE $\frac{1}{4}$,
(Company or Operator) (Lease)
A, Sec. 31, T. 28N, R. 8W, NMPM., Blanco Pool
Unit Letter

San Juan

County. Date Spudded 9-9-57 Date Drilling Completed 10-3-57
Elevation 6714 Total Depth 5480' C.O. 5379

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay 5227' (Perf.) Name of Prod. Form. Mesa Verde

PRODUCING INTERVAL - 5227-5249; 5257-5262; 5283-5298; 5304-5321
Perforations 5343-5373

Open Hole None Depth Casing Shoe 5475' Depth Tubing 5335'

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

GAS WELL TEST -

Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

1190'N. 654'E

Subing, Casing and Cementing Record

Size	Feet	Size
10 3/4"	162'	150
7 5/8"	5108'	300
5 1/2"	407'	160
2 1/4"	5335'	---
	2984'	---

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 13,544 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Calculated A. O. F.

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 71,900 gal. water & 60,000# sand.

Casing Tubing Date first new Press. 1044 oil run to tanks

Oil Transporter El Paso Natural Gas Products Co.

Gas Transporter El Paso Natural Gas Co.

Remarks: Baker "EGJ" Packer at 5155'; Garrett Sleeve at 3009'.

I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved NOV 29 1957, 19____ El Paso Natural Gas Company
(Company or Operator)

OIL CONSERVATION COMMISSION

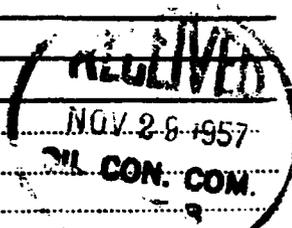
By: Original Signed Emery C. Arnold
Title Supervisor Dist. # 3

By: Original Signed D. C. Johnson
(Signature)

Title: Petroleum Engineer
Send Communications regarding well to:

Name: E. S. Oberly

Address: Box 997, Farmington, New Mexico



OIL CONSERVATION COMMISSION
P. O. 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 Well No. 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 ✓



C
O
P
Y

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(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 Gas Company Lease Schwerdtfeger

Well No. 9-A (FM) Unit Letter A S 31 T 28N R 8W Pool Blanco

County San Juan Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Co.

Address _____

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 997, Farmington, New Mexico

(Give address to which approved copy of this form is to be sent)

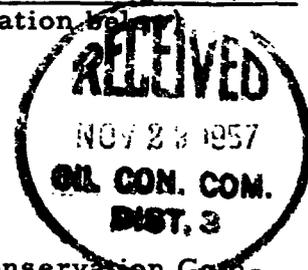
If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well _____ (x)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other _____ ()

Remarks: _____ (Give explanation below)



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

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
By Original Signed Emery C. Arnold

Company El Paso Natural Gas Company

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

DATE July 3, 1958

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM

THE El Paso Natural Gas Company
OPERATOR

Schwerdtfeger #9-A (P) "A" 31-28-8
LEASE WELL UNIT S-T-R

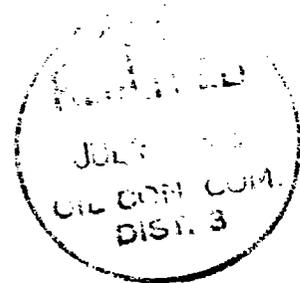
South Blanco Pictured Cliff El Paso Natural Gas Company
POOL NAME OF PURCHASER

WAS MADE ON June 27, 1958 , FIRST DELIVERY July 1, 1958
DATE DATE

AOF 9,601
Choke 6,065
INITIAL POTENTIAL

El Paso Natural Gas Company
PURCHASER
A. M. Rooper
REPRESENTATIVE
Chief Dispatcher
TITLE

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

NOTICE OF GAS CONNECTION

DATE July 3, 1958

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM

THE El Paso Natural Gas Company
OPERATOR

Schwerdtfeger #9-A (M) "A" 31-28-8
LEASE WELL UNIT S-T-R

Blanco Mesa Verde El Paso Natural Gas Company
POOL NAME OF PURCHASER

WAS MADE ON June 27, 1958 , FIRST DELIVERY July 1, 1958
DATE DATE

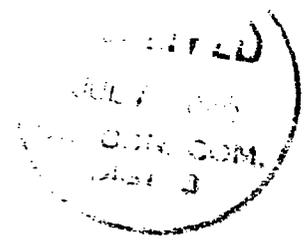
AOF 13,544
Choke 5,301
INITIAL POTENTIAL

El Paso Natural Gas Company
PURCHASER

[Signature]
REPRESENTATIVE

Chief Dispatcher
TITLE

CC: TO OPERATOR
OIL CONSERVATION COMMISSION - SANTA FE
F. N. WOODRUFF - EL PASO
B. D. ADAMS
Delhi-Taylor Oil Corporation
FILE



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TRANSPORTER	OIL	
	GAS	2
PRODUCTION OFFICE		
OPERATOR		2

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator El Paso Natural Gas Company	Lease Schwerdtfeger	Well No. 9-A (FM)
---	-------------------------------	-----------------------------

Unit Letter A	Section 31	Township 28-N	Range 8-W	County San Juan
-------------------------	----------------------	-------------------------	---------------------	---------------------------

Pool So. Blanco Pictured Cliffs	Kind of Lease (State, Fed, Fee) Federal
---	---

If well produces oil or condensate give location of tanks	Unit Letter Same	Section	Township	Range
--	----------------------------	---------	----------	-------

Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/>	Address (give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 990, Farmington, New Mexico

Is Gas Actually Connected? Yes No

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>	Date Connected 7-1-58	Address (give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company		Box 990, Farmington, New Mexico

If gas is not being sold, give reasons and also explain its present disposition:

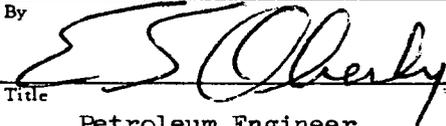
REASON(S) FOR FILING (please check proper box)

- | | |
|---|--|
| New Well <input type="checkbox"/> | Change in Ownership <input type="checkbox"/> |
| Change in Transporter (check one) | Other (explain below) |
| Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> | |
| Casing head gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/> | |

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, 19 63.

Approved by Original Signed Emery C. Arnold	By 	 APR 8 1963
	Title Petroleum Engineer	
Title Supervisor Dist. # 3	Company El Paso Natural Gas Company	
Date APR 8 1963	Address Box 990, Farmington, New Mexico	

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	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator El Paso Natural Gas Company			Lease Schwerdtfeger	Well No. 9-A(PM)
Unit Letter A	Section 31	Township 28-N	Range 8-W	County San Juan

Pool Blanco Mesa Verde	Kind of Lease (State, Fed, Fee) Federal
----------------------------------	---

If well produces oil or condensate give location of tanks	Unit Letter Same	Section	Township	Range
--	----------------------------	---------	----------	-------

Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/>	Address (give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 990, Farmington, New Mexico

Is Gas Actually Connected? Yes No

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>	Date Connected 7-1-58	Address (give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company		Box 990, Farmington, New Mexico

If gas is not being sold, give reasons and also explain its present disposition:

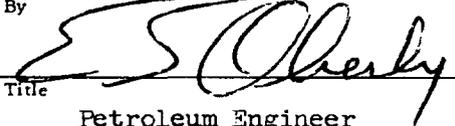
REASON(S) FOR FILING (please check proper box)

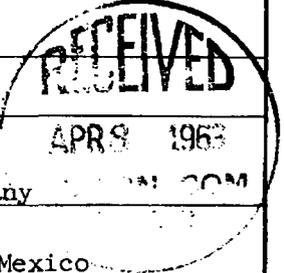
- | | |
|---|--|
| New Well <input type="checkbox"/> | Change in Ownership <input type="checkbox"/> |
| Change in Transporter (check one) | Other (explain below) |
| Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> | |
| Casing head gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/> | |

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, 1963.

OIL CONSERVATION COMMISSION	By 
Approved by Original Signed Emery C. Arnold	Title Petroleum Engineer
Title Supervisor Dist. # 3	Company El Paso Natural Gas Company
Date APR 8 1963	Address Box 990, Farmington, New Mexico



CURRENT RECORDS:

CHANGE TO:

South Blanco Pictured Cliffs (Cont.)

Riddle #4-F	B-29-28-8	Riddle F #4	
Riddle #5-F	A-32-28-8	Riddle F #5	
Ripley #1-24	B-24-27-7	Ripley #1	
Ripley #2-24-V	B-24-27-7	Ripley # 2-Y	
Russell #1-A	J-23-28-8	Russell A #1	
San Juan 28-7 Unit #94	N-30-28-7	San Juan 28-7 Unit NP #94	C-104 Required
San Juan 28-7 Unit #40	H-18-27-7	San Juan 28-7 Unit NP #40	C-104 Required
San Juan 28-7 Unit #42	E-17-27-7	San Juan 28-7 Unit NP #42	C-104 Required
San Juan 28-7 Unit #43	D-20-27-7	San Juan 28-7 Unit NP #43	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	O-6-27-8	Schwerdtfeger A #4	
Schwerdtfeger #5-A	G-8-27-8	Schwerdtfeger A #5	
Schwerdtfeger #6-A	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	
Schwerdtfeger #9-A	A-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	Schwerdtfeger 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	O-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
San 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	A-20-32-9	San Juan 32-9 Unit NP #8	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 #79	A-17-32-9	San Juan 32-9 Unit NP #79	C-104 Required
Schultz State #12-16	N-16-27-8	Schultz State #12 <i>changed by letter 11-9-65</i>	
Schultz State #13-16	G-16-27-8	Schultz ██████ Com G #13	C-104 Required
Schwerdtfeger #1-A	M-36-28-9	Schwerdtfeger A #1	
Schwerdtfeger #9-A	A-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 #12-A	N-6-27-8	Schwerdtfeger A #12	
Schwerdtfeger #13-A	B-8-27-8	Schwerdtfeger A #13	
Schwerdtfeger #14-A	N-8-27-8	Schwerdtfeger A #14	
Schwerdtfeger #15-A	B-21-27-8	Schwerdtfeger A #15	
Sinclair State #1	J-32-32-11	Sinclair Com #1	C-104 Required
Smyers #1	M-2-31-11	Smyers Com #1	C-104 Required
Standard Oil 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-B	H-11-30-11	Storey B #1	
Storey #3-B	L-5-30-11	Storey B #3	
Storey #4-B	L-11-30-11	Storey B #4	
Storey #6-C	A-22-28-9	Storey C #6	
Storey #7-C	B-27-28-9	Storey C #7	
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	
Stull Pool Unit #1	L-10-32-10	Stull #1	
Sunray #1-A	A-15-30-10	Sunray A #1	
Sunray #2-A	A-10-30-10	Sunray A #2	
Sunray #1-B	M-15-30-10	Sunray B #1	
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	
Sunray #2-E	L-9-30-10	Sunray E #2	
Sunray #1-F	G-26-30-10	Sunray F #1	
Sunray #2-G	G-21-31-9	Sunray G #2	
Sunray #1-G	N-21-31-9	Sunray G #1	
Sunray #1-H	B-11-30-10	Sunray H #1	
Sunray #1-J	M-7-30-10	Sunray J #1	
Sunray State #1	B-32-31-10	Sunray K Com #1	C-104 Required
Three States State #1	L-16-29-8	Three States Com #1	C-104 Required
Turner State #1	M-2-30-9	Turner B Com #1	C-104 Required
Turner State #2	A-2-30-9	Turner B Com A #2	C-104 Required
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	H-14-29-8	Vanderwart A #5	
Vanderwart #6-A	A-24-29-8	Vanderwart A #6	
Walker #2	K-32-31-9	Walker Com #2	C-104 Required
Warren #1-A	K-25-28-9	Warren A #1	
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 Pool Unit #1	K-25-31-11	Zachary #1	
San Juan 27-5 Unit #39-12	N-12-27-5	San Juan 27-5 Unit #39	
San Juan 28-4 #1-18	A-18-28-4	San Juan 28-4 Unit #1	
San Juan 28-4 #2-17	K-17-28-4	San Juan 28-4 Unit #2	
San Juan 28-4 Unit #5-32	H-32-28-4	San Juan 28-4 Unit #5	

cc: El Paso Natural 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.

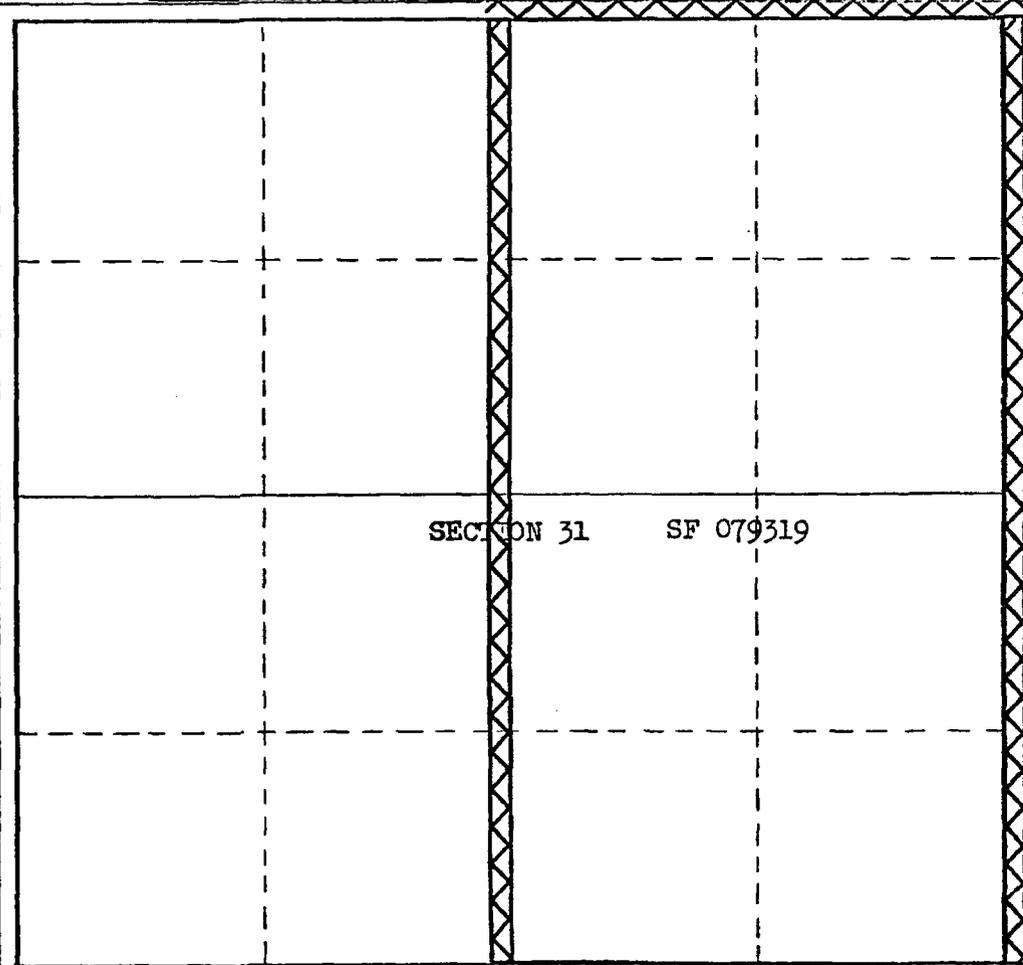
Operator EL PASO NATURAL GAS COMPANY		Lease SCHWERTFEGER A (SF 079319)		Well No. 9 (PM)
Unit Letter A	Section 31	Township 28-N	Range 8-W	County SAN JUAN
Actual Footage Location of Well: 1190 feet from the N line and 654 feet from the E line				
Ground Level Elev. 6714 GL	Producing Formation PC & MV	Pool SO. ... & BLANCO MV		Dedicated Acreage: 304.80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the 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.

Carl C. Matthews
Name

Petroleum Engineer
Position

El Paso Natural Gas Co.
Company

March 11, 1968
Date

Date

I hereby certify that the well location shown on this plat was plotted 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 Engineer and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
SEP 06 1985

OIL CON. DIV.
DIST. 3

I. Operator
Tenneco Oil Company

Address
P. O. Box 3249, Englewood, CO 80155

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Condensate
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)
Well Name

If change of ownership give name and address of previous owner **El Paso Natural Gas, P.O. Box 4990, Farmington, NM 87499**

II. DESCRIPTION OF WELL AND LEASE

Lease Name Schwerdtfeger A LS	Well No. 9	Pool Name, Including Formation So. Blanco-PC	Kind of Lease State, Federal or Fee USA SF	Lease No. 079319
Location				
Unit Letter A	: 1190	Feet From The N	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 <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Conoco Inc. Surface Transportation	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 <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	A 31 28N 8W Yes

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

I 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.

Scott McHenry
(Signature)
Sr. Regulatory Analyst
SEP 1 1985
(Date)

OIL CONSERVATION DIVISION
APPROVED **SEP 06 1985**
BY *Frank J. Quigg*
TITLE **SUPERVISOR DISTRICT # 3**

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 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 wells.
Fill out only Section I, II, III, and VI for changes of owner, well name and or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
SEP 06 1985
OIL CON. DIV.
DIST. 3

I. Operator
Tenneco Oil Company ~~El Paso~~

Address
P. O. Box 3249, Englewood, CO 80155

Reason(s) for filing (Check proper box)
 New Well
 Recompletion
 Change in Ownership
 Change in Transporter of:
 Oil
 Casinghead Gas
 Dry Gas
 Condensate
 Other (Please explain)
Well Name

If change of ownership give name and address of previous owner **El Paso Natural Gas, P.O. Box 4990, Farmington, NM 87499**

II. DESCRIPTION OF WELL AND LEASE

Lease Name Schwerdtfeger A LS	Well No. 9	Pool Name, Including Formation Blanco-MV	Kind of Lease State, Federal or Fee USA SF	Lease No. 079319
Location Unit Letter A : 1190 Feet From The N 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 <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Conoco Inc. Surface Transportation	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 <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4990, Farmington, NM 87499			
If well produces oil or liquids, give location of tanks.	Unit A	Sec. 31	Twp. 28N	Rge. 8W
	Is gas actually connected? Yes		When	

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

I 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.

Scott McKinnis
(Signature)
Sr. Regulatory Analyst

SEP 1 1985
(Date)

OIL CONSERVATION DIVISION **SEP 06 1985**

APPROVED BY *Frank J. O'Quinn*
TITLE **SUPERVISOR DISTRICT 3**

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 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 wells.
Fill out only Section I, II, III, and VI for changes of owner, well name and/or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

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

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

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Amoco Production Company	Well API No. 3004507037
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
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

Lease Name SCHWERTFEGER A LS	Well No. 9	Pool Name, Including Formation BLANCO (PICTURED CLIFFS)	FEDERAL	Lease No. SF079319
Location				
Unit Letter A	1190	Feet From The FNL	Line and 654	Feet From The FEL
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 <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
CONOCO	P. O. BOX 1429, BLOOMFIELD, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	P. O. BOX 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> New Well	<input type="checkbox"/> Workover	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Same Res'v	<input type="checkbox"/> Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B. I.D.		
Elevations (DIP, RAB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test 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 First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - bbls.	Water - bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature
J. L. Hampton
 J. L. Hampton Sr. Staff Admin. Suprv.
 January 16, 1989
 Date

Telephone No.
303-830-5025

OIL CONSERVATION DIVISION

Date Approved **MAY 08 1989**
 By **[Signature]**
 Title **SUPERVISION DISTRICT # 3**

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.

OIL CONSERVATION DIVISION

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

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

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS**

I.

Operator Amoco Production Company	Well API No. 3004507037
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201	
Reason(s) for filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	
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

Lease Name SCHWERTFEGER A LS	Well No. 9	Pool Name, including Formation BLANCO (MESAVERDE)	FEDERAL	Lease No. SF079319
Location Unit Letter A : 1190 Feet From The FNL Line and 654 Feet From The FEL Line 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 <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) CONOCO P. O. BOX 1429, BLOOMFIELD, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) EL PASO NATURAL GAS COMPANY P. O. BOX 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RAB, RI, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations							Depth Casing Shoe	

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test 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 First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature J. L. Hampton
 J. L. Hampton Sr. Staff Admin. Suprv.
 Printed Name Title
 January 16, 1989 303-830-5025
 Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAY 08 1989
 By [Signature]
 Title **SUPERVISION DISTRICT # 8**

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 I
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 II
P.O. Drawer DD, Artesia, NM 88210

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

I.

Operator AMOCO PRODUCTION COMPANY	Well APN No. 300450703700
Address P. O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name SCHWERDTFEGER A LS	Well No. 9	Pool Name, Including Formation BLANCO MESAVERDE (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter A : 1190 Feet From The FNL Line and 654 Feet From The FEL Line 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 <input type="checkbox"/> or Condensate <input type="checkbox"/> MERIDIAN OIL INC.	Address (Give address to which approved copy of this form is to be sent) 3535 EAST 30TH STREET, FARMINGTON, NM 87401			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> EL PASO NATURAL GAS COMPANY	Address (Give address to which approved copy of this form is to be sent) P. O. BOX 1492, EL PASO, TX 79978			
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
				Is gas actually connected? When?

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RAB, RT, GR, etc)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations			Depth			Depth		
TUBING, CASING AND CEMENTING REPORT								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

RECEIVED
AUG 23 1990
OIL CON. DIV.
DIST. 3

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test 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 First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Sealing Method (prior, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature *Doug W. Whaley*
Printed Name **Doug W. Whaley, Staff Admin. Supervisor**
Title
Date **July 5, 1990** Telephone No. **303-830-4280**

OIL CONSERVATION DIVISION

Date Approved **AUG 23 1990**
By *[Signature]*
Title **SUPERVISOR DISTRICT #3**

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.
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- 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 I
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 II
P.O. Drawer DD, Artesia, NM 88210

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 300450703700
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name SCHWERTFEGER A LS	Well No. 9	Pool Name, Including Formation BLANCO PC SOUTH (GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter A : 1190 Feet From The FNL Line and 654 Feet From The FEL Line 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 <input type="checkbox"/> or Condensate <input type="checkbox"/> MERIDIAN OIL, INC.	Address (Give address to which approved copy of this form is to be sent) 3535 EAST 30TH STREET, FARMINGTON, NM 87401	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> EL PASO NATURAL GAS COMPANY	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1492, EL PASO, TX 79978	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GH, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth, Casing Size		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH			SACKS CEMENT		

RECEIVED
AUG 23 1990
OIL CON. DIV.
DIST. 3

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test 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 First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D.W. Whaley
Signature
Doug W. Whaley, Staff Admin. Supervisor
Printed Name Title
July 5, 1990 303-830-4280
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved **AUG 23 1990**
By *[Signature]*
Title **SUPERVISOR DISTRICT #3**

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

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- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised March 25, 1999

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-045-07037
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
 1. Type of Well:
 Oil Well Gas Well Other

7. Lease Name or Unit Agreement Name: Schwerdtfeger A LS (Also filed on BLM Form 3160-5 Federal Lease SF - 079319)

2. Name of Operator
BP America Production Company Attn: **Mary Corley**

8. Well No. 9

3. Address of Operator
P.O. Box 3092 Houston, TX 77253

9. Pool name or Wildcat Blanco Mesaverde/Pictured Cliffs
--

4. Well Location
 Unit Letter A 1190 feet from the North line and 654 feet from the East line
 Section 31 Township 28N Range 08W NMPM San Juan County
 10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <u>Downhole Commingle</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

BP America Production Company request permission to convert the subject well from a dual string completion to a single string completion, add the Menefee pay section, and commingle production downhole from the Blanco Pictured Cliffs & Blanco Mesaverde Pools as per the attached procedure.

The Blanco Pictured Cliffs (72359) & the Blanco Mesaverde (72319) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363.

The working, overriding, and royalty interest owners in the proposed commingled pools are identical; therefore, no notification of this application need be submitted via certified mail.

Production is proposed to be allocated based on actual production from both the Pictured Cliffs and Mesaverde Pools as reflected on the attached allocation chart.

Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production.

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

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 03/18/2001

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use) DEPUTY OIL & GAS INSPECTOR DATE MAR 18 2002

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

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'.
9. RIH with 3-1/8" casing guns. Perforate Menefee formation, 2 spf.
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

GL: 6714'

History:

Completed as MV/PC dual in 10 57

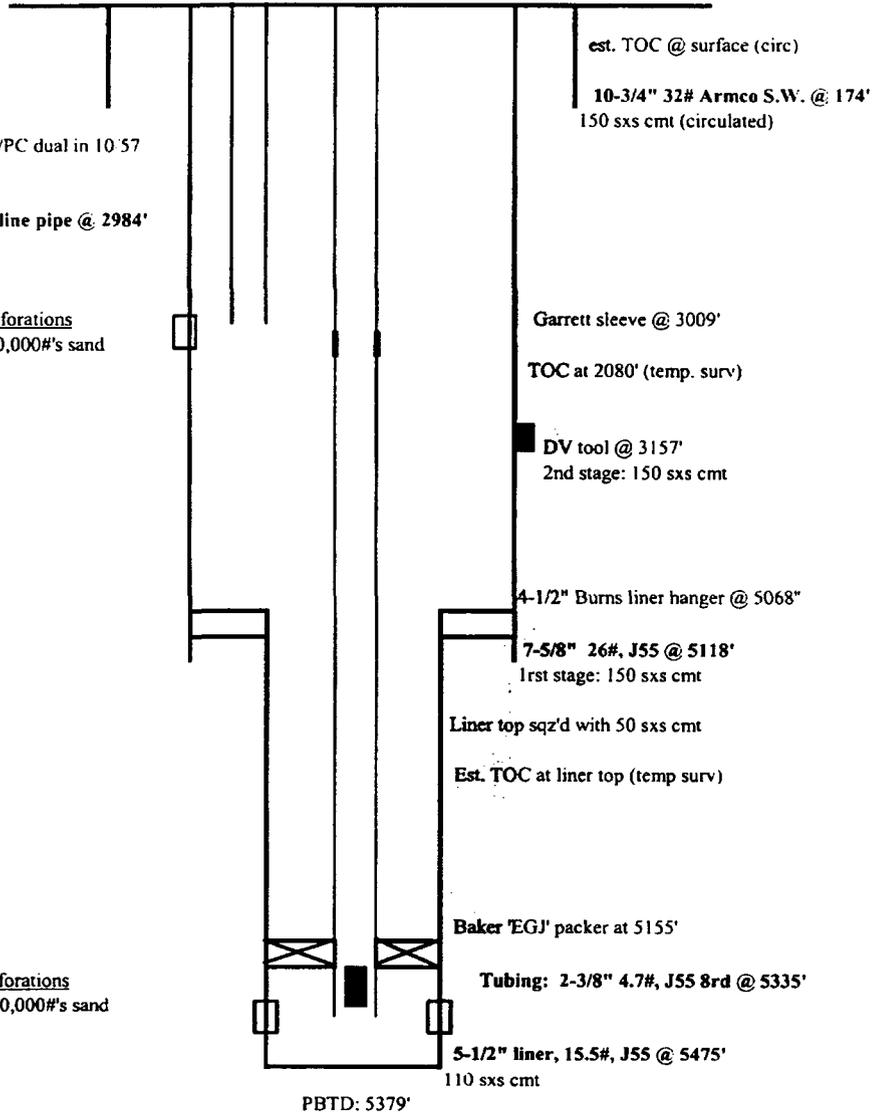
1-1/4" Grade 'B' line pipe @ 2984'

Pictured Cliffs Perforations

2967' - 3010' w/ 40,000#'s sand

Point Lookout Perforations

5227' - 5373' w/ 60,000#'s sand



NOTES:

- 1) Slickline run detected probable junk in the tubing

updated: 12/19/01 jad

Schwerdtfeger A LS #9 Procedure

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
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7. RIH with 5-1/2" casing scraper to 5200'.
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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'.
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12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Flush frac with foam.
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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

GL: 6714'

History:

Completed as MV/PC dual in 10/57

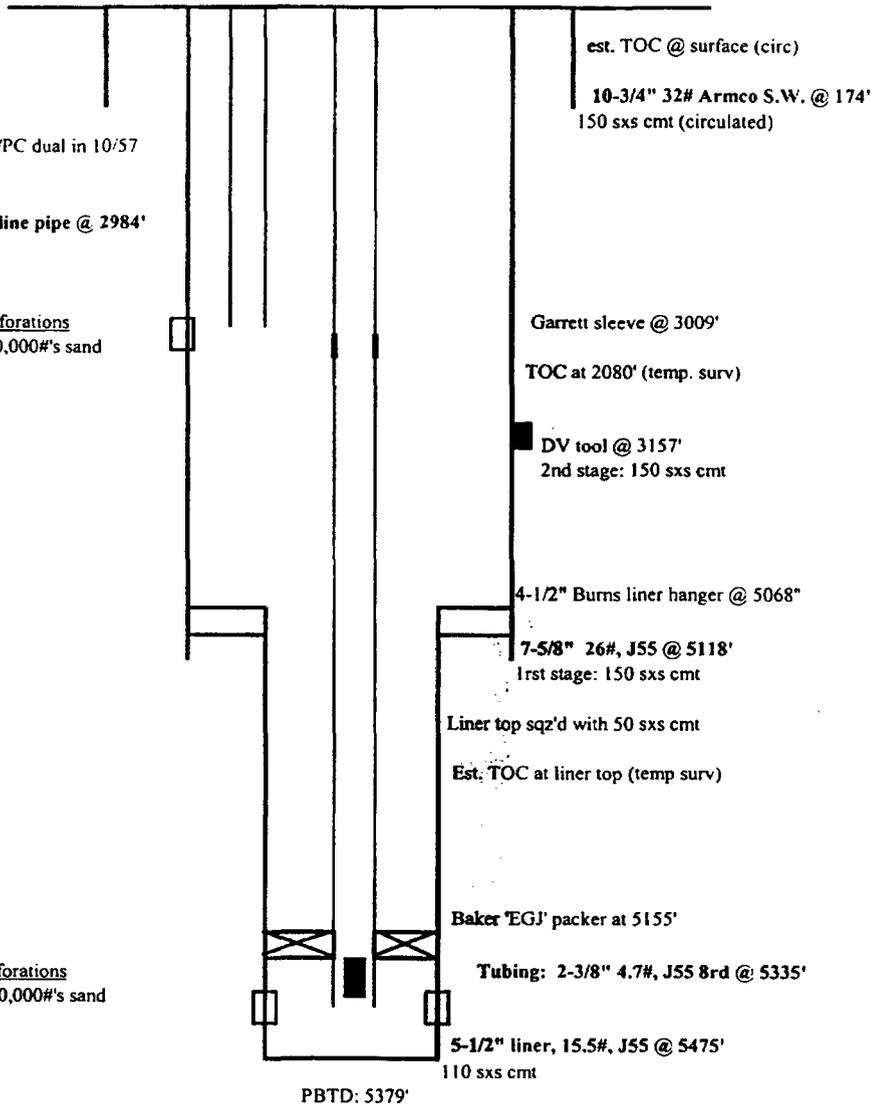
1-1/4" Grade 'B' line pipe @ 2984'

Pictured Cliffs Perforations

2967' - 3010' w/ 40,000#'s sand

Point Lookout Perforations

5227' - 5373' w/ 60,000#'s sand



NOTES:

- 1) Slickline run detected probable junk in the tubing

updated: 12/19/01 jad

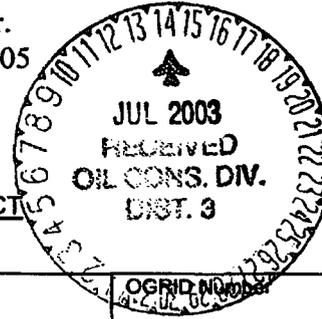
District I - (505) 393-6161
 1625 N. French Dr, Hobbs, NM 88240
 District II - (505) 748-1283
 1301 W. Grand Avenue, Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Road, Aztec, NM 87410
 District IV - (505) 476-3440
 1220 S. St. Francis Dr., Santa Fe, NM 87505

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



APPLICATION FOR
 WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address						OGRID Number			
BP America Production Company P.O. Box 3092 Attn: Mary Corley Houston, TX 77253						000778			
Contact Party						Phone			
Mary Corley						281-366-4491			
Property Name					Well Number		API Number		
Schwertfeger A LS					9		30-045-07037		
UL	Section	Township	Range	Feet From The	North/South Line	Feet From The	East/West Line	County	
A	31	28N	08W	1190	North	654	East	San Juan	

II. Workover

Date Workover Commenced: 09/12/2002	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde & Pictured Cliffs
Date Workover Completed: 09/27/2002	

- III. Attach a description of the Workover Procedures performed to increase production.
 IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of Texas)
) ss.
 County of Harris)
Mary Corley, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- 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 Mary Corley Title Senior Regulatory Analyst Date June 12, 2003

SUBSCRIBED AND SWORN TO before me this 09 day of July, 2003.

My Commission expires September 20, 2005

Notary Public Patricia Bogg Disiena

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

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 9-7-2002.

Signature District Supervisor <u>Charlie T. Perrin</u>	OCD District <u>AZTEC III</u>	Date <u>7-15-2003</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

District I
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

Form C-104B
March 19, 2001

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy of the final affected 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: 000778
Effective Date: 12/31/2001

Previous Operator Name and Information:

Name: Amoco Production Company
Address: P.O. Box 3092
Address: _____
City, State, Zip: Houston, Texas 77253

New Operator Name and Information:

New Name: BP America Production Company
Address: P.O. Box 3092
Address: _____
City, State, Zip: Houston, Texas 77253

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Mary Corley

Printed name: Mary Corley

Title: Senior Regulatory Specialist

Date: 12/10/2001 Phone: 281-366-4491



NMOCD Approval	
Signature: _____	<u>278</u>
Printed Name: _____	SUPERVISOR DISTRICT #3
District: _____	JAN 20 2002
Date: _____	



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

PLWV50412256684

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

OIL CONSERVATION COMMISSION

P. O. 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 Well No. 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:omg

cc: Oil Conservation Commission, Aztec

C
O
P
Y

CMD : ONGARD 04/30/04 18:51:20
OG6IWCM INQUIRE WELL COMPLETIONS OGWMS -TPES

API Well No : 30 45 7037 Eff Date : 01-01-1900 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (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 : A 31 28N 08W FTG 1190 F N FTG 654 F E P
Lot Identifier:
Dedicated Acre: 304.80
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD : ONGARD
 OG6ACRE C102-DEDICATE ACREAGE

04/30/04 18:51:24
 OGOMES -TPES
 Page No : 1

API Well No : 30 45 7037 Eff Date : 04-30-1991
 Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 Prop Idn : 1033 SCHWERDTFEGGER A LS
 Spacing Unit : 35336 OCD Order :
 Sect/Twp/Rng : 31 28N 08W Acreage : 304.80 Revised C102? (Y/N) :
 Dedicated Land: Simultaneous Dedication:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
A	31	28N	08W	40.00	N	FD				
B	31	28N	08W	40.00	N	FD				
G	31	28N	08W	40.00	N	FD				
H	31	28N	08W	40.00	N	FD				
I	31	28N	08W	40.00	N	FD				
J	31	28N	08W	40.00	N	FD				
O	6	31	28N	08W	32.20	N	FD			
P	7	31	28N	08W	32.60	N	FD			

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

CMD : ONGARD
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL

04/30/04 18:51:38
 OGOMES -TPES
 Page No: 1

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 7037 Report Period - From : 01 2003 To : 04 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45	7037 SCHWERDTFEGGER A LS	01 03 31	7477	20 P
30 45	7037 SCHWERDTFEGGER A LS	02 03 31	5432	F
30 45	7037 SCHWERDTFEGGER A LS	03 03 31	6878	40 F
30 45	7037 SCHWERDTFEGGER A LS	04 03 31	6345	20 P
30 45	7037 SCHWERDTFEGGER A LS	05 03 31	5811	20 P
30 45	7037 SCHWERDTFEGGER A LS	06 03 31	5769	P
30 45	7037 SCHWERDTFEGGER A LS	07 03 31	5479	15 P

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :
 OGIIPRD INQUIRE PRODUCTION BY POOL/WELL

ONGARD
 04/30/04 18:51:41
 OGOMES -TPES
 Page No: 2

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 7037 Report Period - From : 01 2003 To : 04 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45	7037 SCHWERDTFEGGER A LS	08 03 31	5742	7 P
30 45	7037 SCHWERDTFEGGER A LS	09 03 31	5891	P
30 45	7037 SCHWERDTFEGGER A LS	10 03 31	5793	43 P
30 45	7037 SCHWERDTFEGGER A LS	11 03 31	5694	17 P
30 45	7037 SCHWERDTFEGGER A LS	12 03 31	5818	15 P
30 45	7037 SCHWERDTFEGGER A LS	01 04 31	5668	P
30 45	7037 SCHWERDTFEGGER A LS	02 04 29	3440	25 P
Reporting Period Total (Gas, Oil) :			81237	222

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPPOOL PF11 NXTOGD PF12

CMD : ONGARD
OG6IWCN INQUIRE WELL COMPLETIONS

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

API Well No : 30 45 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 SCHWERDTFEGGER A LS

Well No : 009
GL Elevation: 6714

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

B.H. Locn : A 31 28N 08W FTG 1190 F N FTG 654 F E P
Lot Identifier:
Dedicated Acre: 160.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

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

CMD : ONGARD
OG6ACRE C102-DEDICATE ACREAGE

04/30/04 18:51:52
OGOMES -TPES
Page No : 1

API Well No : 30 45 7037 Eff Date : 04-30-1991
Pool Idn : 72439 BLANCO P. C. SOUTH (PRORATED GAS)
Prop Idn : 1033 SCHWERDTFEGGER A LS
Spacing Unit : 36255 OCD Order :
Sect/Twp/Rng : 31 28N 08W Acreage : 160.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	31	28N	08W	40.00	N	FD		
	B	31	28N	08W	40.00	N	FD		
	G	31	28N	08W	40.00	N	FD		
	H	31	28N	08W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GOTO	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

CMD : ONGARD 04/30/04 18:52:00
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPES
 Page No: 1

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72439 BLANCO P. C. SOUTH (PRORATED GAS)
 API Well No : 30 45 7037 Report Period - From : 01 2003 To : 04 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45	7037 SCHWERDTFEGGER A LS	01 03 31	2627 109 20	P
30 45	7037 SCHWERDTFEGGER A LS	02 03 31	1908 30 4	F
30 45	7037 SCHWERDTFEGGER A LS	03 03 31	2417 9 40	F
30 45	7037 SCHWERDTFEGGER A LS	04 03 31	2229 50 20	P
30 45	7037 SCHWERDTFEGGER A LS	05 03 31	2042 44 20	P
30 45	7037 SCHWERDTFEGGER A LS	06 03 31	2027 14 14	P
30 45	7037 SCHWERDTFEGGER A LS	07 03 31	1925 17 15	P

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll
 PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD :
 OGIIPRD
 ONGARD
 INQUIRE PRODUCTION BY POOL/WELL

04/30/04 18:52:05
 OGOMES -TPES
 Page No: 2

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72439 BLANCO P. C. SOUTH (PRORATED GAS)
 API Well No : 30 45 7037 Report Period - From : 01 2003 To : 04 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Gas	Volumes Oil	Water Stat
30 45	7037 SCHWERDTPFEGGER A LS	08 03 31	2018	5	7 P
30 45	7037 SCHWERDTPFEGGER A LS	09 03 31	2070	3	P
30 45	7037 SCHWERDTPFEGGER A LS	10 03 31	2035	64	43 P
30 45	7037 SCHWERDTPFEGGER A LS	11 03 31	2001	17	17 P
30 45	7037 SCHWERDTPFEGGER A LS	12 03 31	2044	31	15 P
30 45	7037 SCHWERDTPFEGGER A LS	01 04 31	1992	45	45 P
30 45	7037 SCHWERDTPFEGGER A LS	02 04 29	3440	29	25 P
Reporting Period Total (Gas, Oil) :			30775	467	222

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

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

1 36.77 Federal owned A A	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Federal owned
2 36.80 Federal owned A	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned
3 36.83 Federal owned A A	K 40.00 Federal owned	J 40.00 Federal owned	I 40.00 Federal owned
4 28.95 Federal owned	5 31.81 Federal owned	6 32.20 Federal owned	7 32.60 Federal owned

304.80