

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

32.2
32.6
64.8

144.8
160.4
305.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

B. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with a State requirement.)
At surface
1320' FSL, 520' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
14 miles SE Blanco, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)
520'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
520'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6718' GL

23. DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36.0 #	280'
8 3/4"	7"	23.0 #	3540'
6 1/4"	4 1/2"	10.50#	5650'

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
ASAP

16. NO. OF ACRES IN LEASE
2516.33 A

17. NO. OF ACRES ASSIGNED TO THIS WELL
E 320A 304.80

19. PROPOSED DEPTH
5650'

10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
I Sec. 31, T28N, R8W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

5. LEASE DESIGNATION AND SERIAL NO.
SF-079319

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
9A

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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 TENNECO OIL COMPANY		Lease SCHWERTFEGER A LS		Well No. 9A
Unit Letter I	Section 31	Township 28N	Range 8W	County San Juan
Actual Footage Location of Well: 1320 feet from the South line and 520 feet from the East line				
Ground Level Elev: 6718	Producing Formation Mesa Verde	Pool Blanco Mesaverde	Dedicated Acreage: 320-A 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.

RECEIVED
DEC 12 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON REGIONAL OFFICE

TENNECO 50%
CONOCO 50%

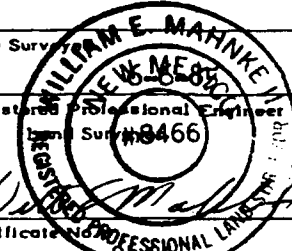
Sec. 31

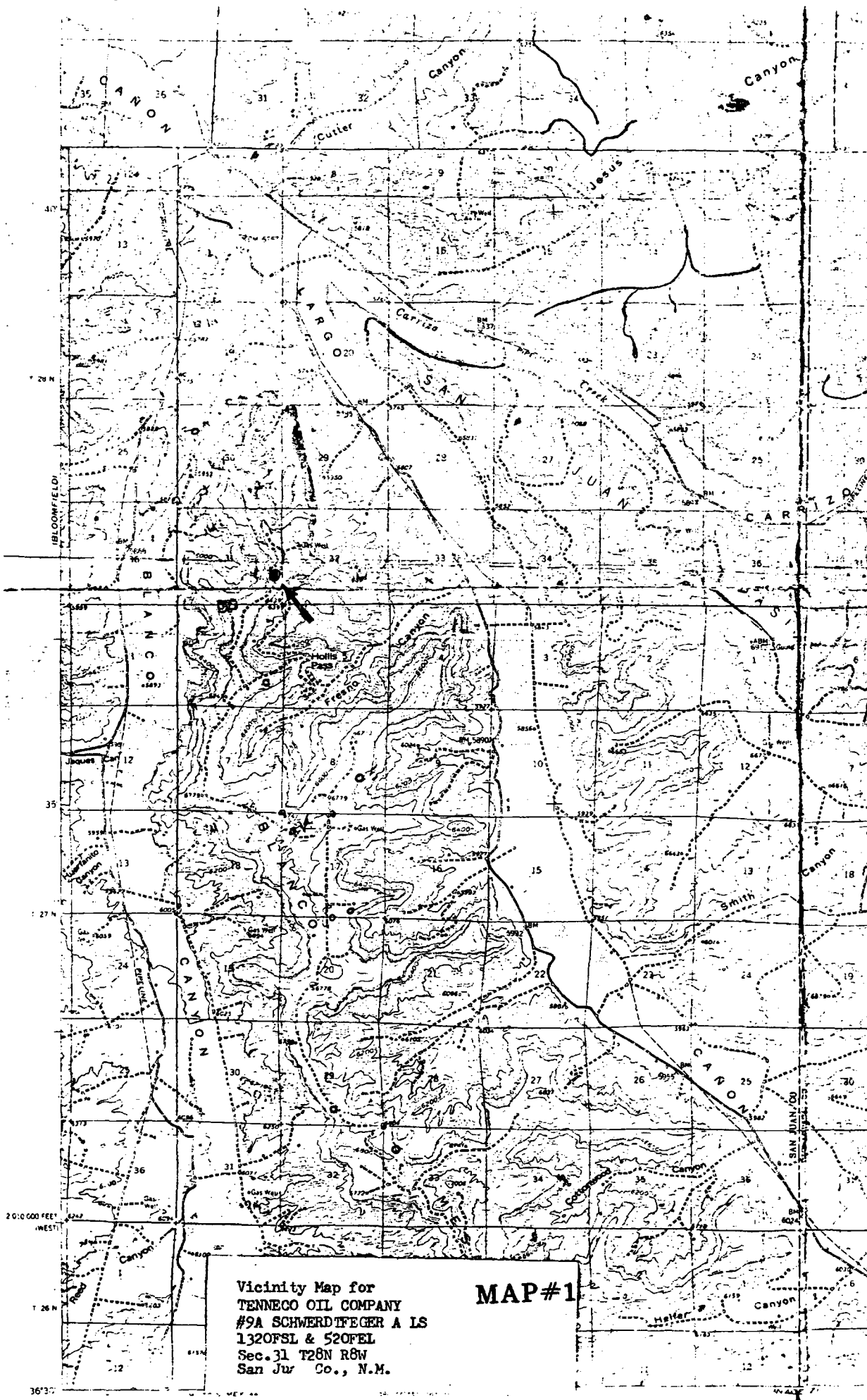
RECEIVED
DEC 19 1985
OIL CON. DIV.
DIST. 3

520'
1320'
1260'

Fd.

Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Scott McKinney</i>	
Name	Scott McKinney
Position	Sr. Regulatory Analyst
Company	Tenneco Oil Co.
Date	July 23, 1985
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 Survey	July 23, 1985
Registered Professional Engineer and	Surveyor No. 8466
	
Certificate No.	8466



Vicinity Map for
TENNECO OIL COMPANY
#9A SCHWERTFEGER A LS
1320FSL & 520FEL
Sec. 31 T28N R8W
San Juv Co., N.M.

MAP #1



TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

August 21, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Tenneco Oil Exploration
and Production
P. O. Box 3249
Englewood, Colorado 80155

Attention: Scott McKinney

Administrative Order NSL-2124

Gentlemen:

Reference is made to your application for a non-standard location for your Schwerdtfeger A LS 9A well to be located 1320 feet from the South line and 520 feet from the East line of Section 31, Township 28 North, Range 8 West, NMPM, Blanco Mesaverde Pool, San Juan County, New Mexico. The E/2 of said Section 31 shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

R. L. STAMETS, DIRECTOR

RLS/DC/dr

cc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington

RECEIVED
SEP 09 1985
OIL CON. DIV
DIST. 3



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 8-26-85

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 7-26-85
for the Tenneco Schwerdtfeger ALS#9A I-31-28A-8A
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Eric Rensch

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

July 23, 1985

CERTIFIED MAIL
Return Receipt Requested

New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, NM 87501
Attention: R. L. Stamets

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, NM 87410
Attention: Frank Chavez

RE: Schwerdtfeger A LS 9A
1320' FSL, 520' FEL
Sec. 31, T28N R8W
San Juan County, NM

Gentlemen:

Attached in duplicate (to each office) are a well location plat (C-102) with an ownership plat for the above referenced well.

Due to the proposed well being located on the edge of a mesa and extreme drops in elevations to the west and south, this location does not meet state spacing requirements. This is the only geologic and topographic site acceptable.

Pursuant to the authority of Rule 104-F, we respectfully request your approval of an exemption to the standard well location requirements. A copy of the application is being sent by certified mail to the offset lease holders.

RECEIVED
JUL 26 1985
OIL CON. DIV.
DIST. 3

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "Scott McKinney".

Scott McKinney
Senior Regulatory Analyst

Attachments
SMc:st

Page 2
Application for Unorthodox Location
July 23, 1985

WAIVER

_____ hereby waives objection to Tenneco Oil
Company's application for unorthodox location for their Tenneco
Schwerdtfeger A LS 9A, proposed above.

BY: _____

DATE: _____

SMc:st
Attachments

cc: Offset Operators:

El Paso Natural Gas
Post Office Box 4990
Farmington, NM 87401
Attention: Don Reed

Amoco Production Company
1670 Broadway
Denver, CO 80202
Attention: R. C. Brooke, Jr.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-120
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

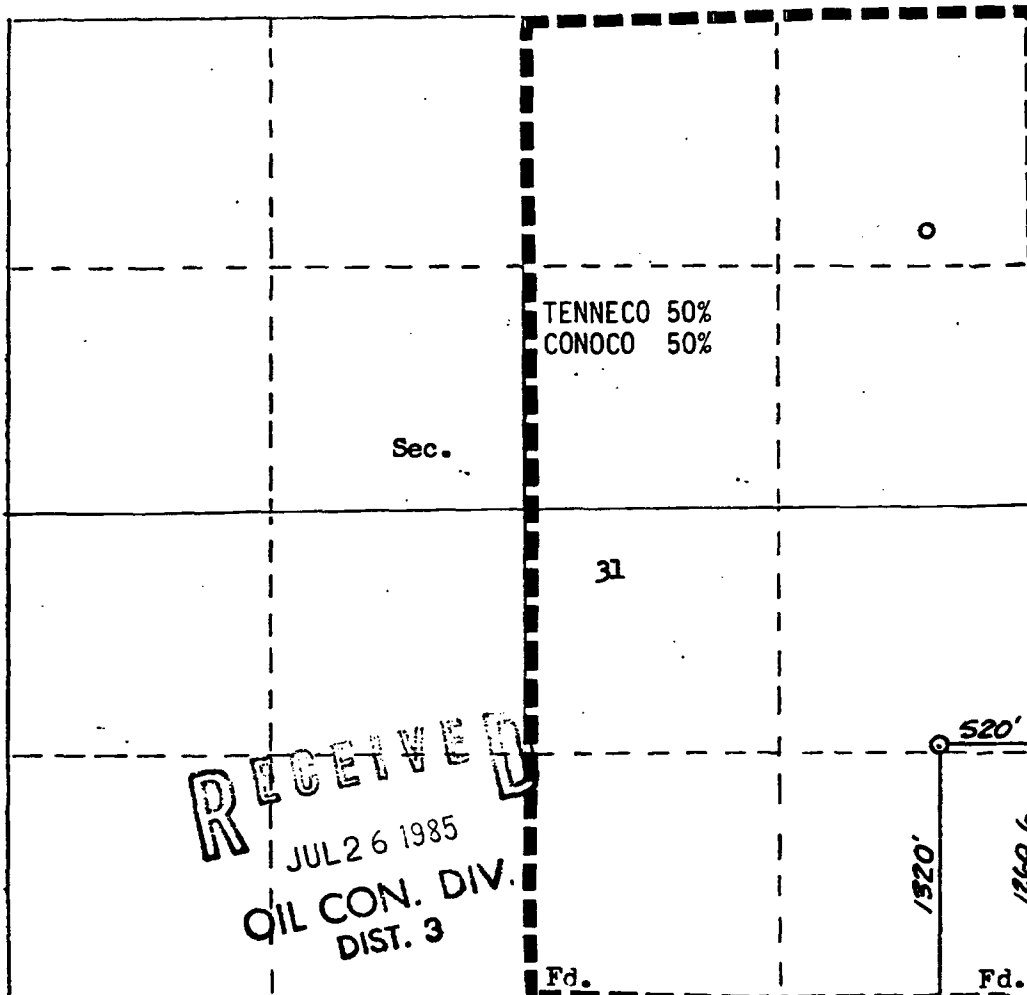
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Unit Letter I	Section 31	Township 28N	Range 8W	County San Juan	
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Ground Level Elev. 6718	Producing Formation Mesa Verde		Pool Blanco Mesaverde		Dedicated Acreage: 320 A Acres

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☐ 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.



CERTIFICATION

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Scott McKinney

Name
Scott McKinney

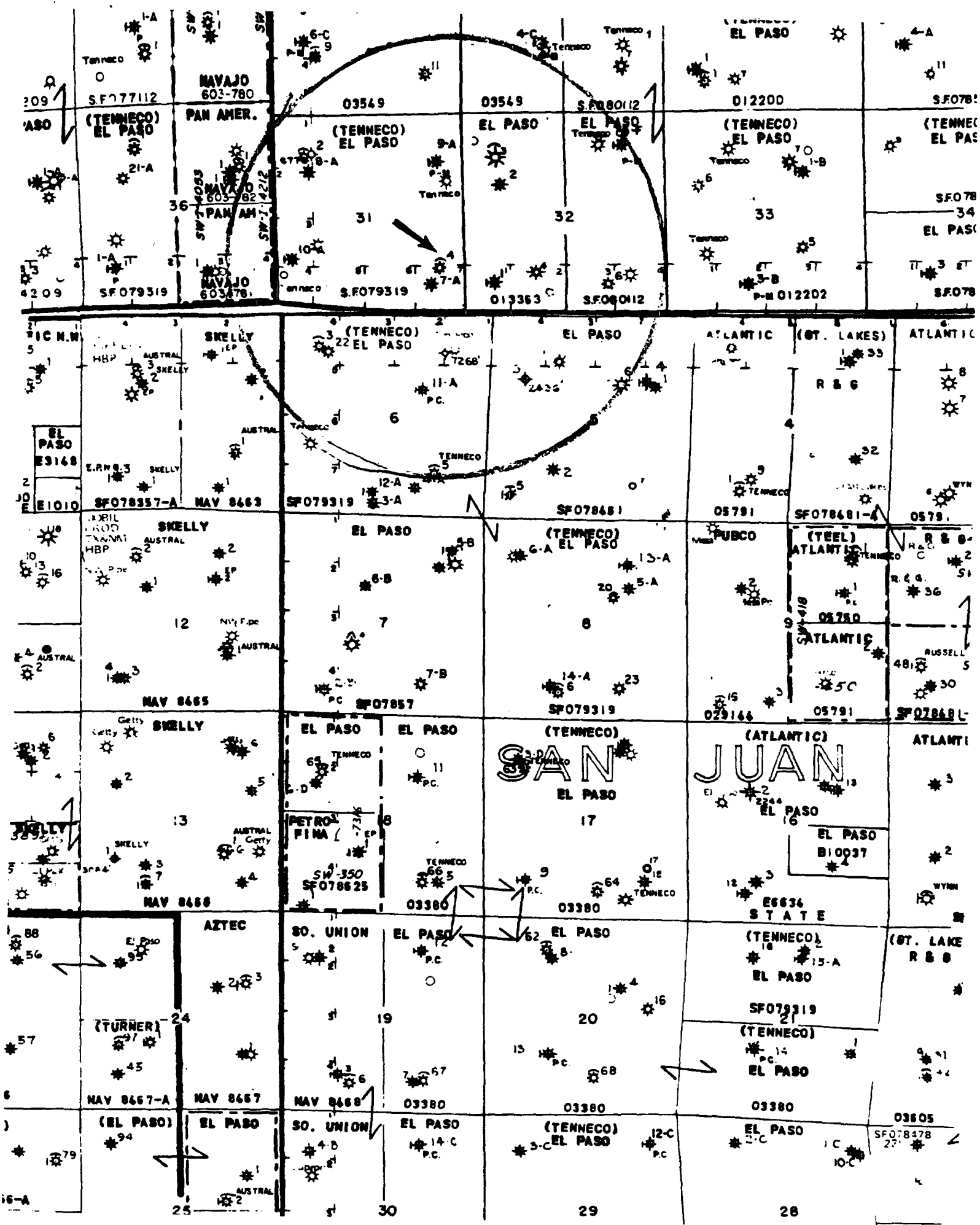
Position
Sr. Regulatory Analyst

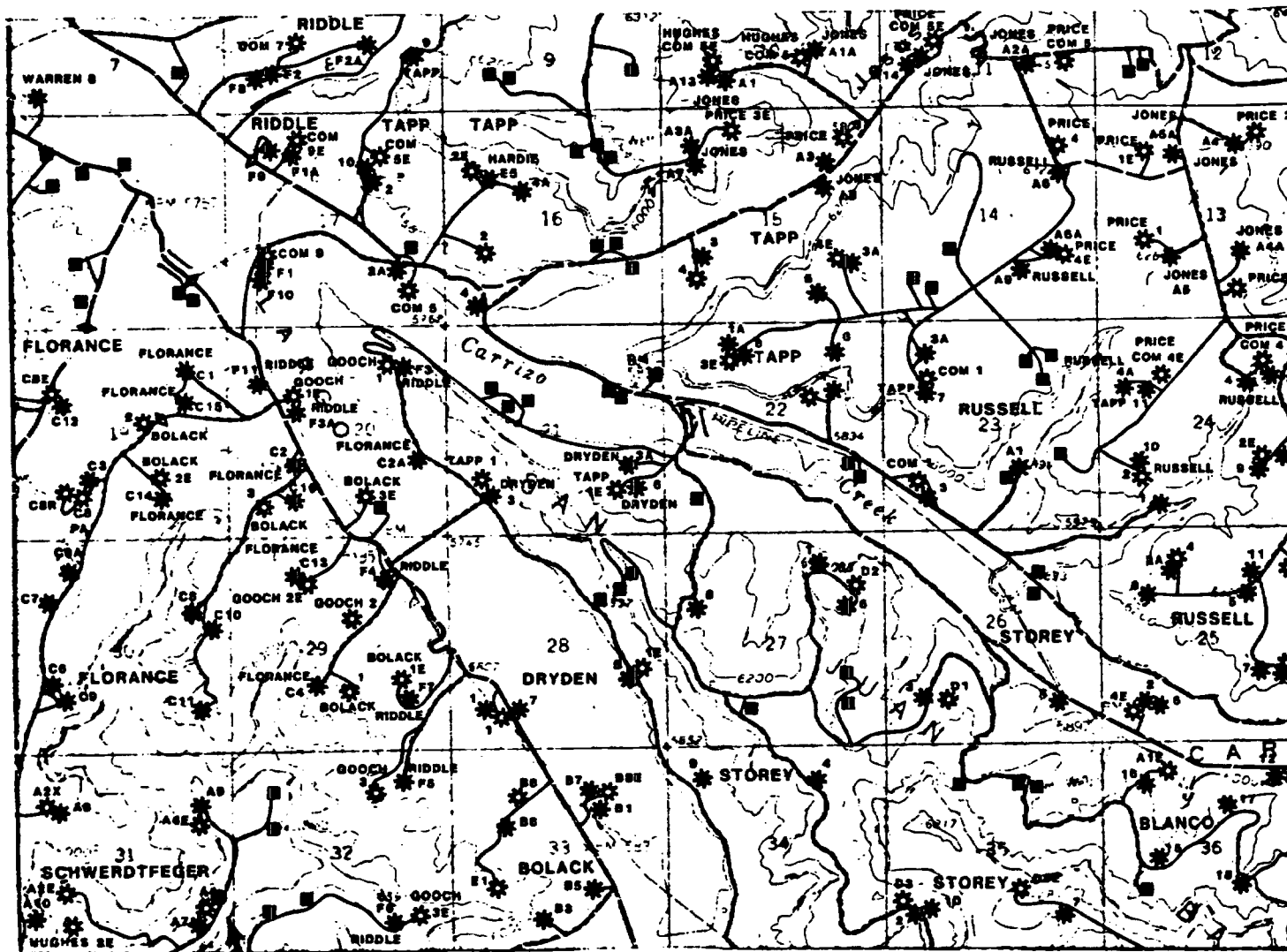
Company
Tenneco Oil Co.

Date
July 23, 1985

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 Land Surveyor
Certificate No. 8466
WILLIAM E. MAHNE
NEW MEXICO
Professional Engineer and Land Surveyor





TENNECO OIL COMPANY
 #9A SCHWERTFEGGER A 1S
 1320FSL & 520FEL
 Sec.31 T28N R8W
 San Juan Co., N.M.



Form 3160-5
November 1983;
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1988

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—" for such proposals.)

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SF-079319

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7. UNIT AGREEMENT NAME

8. NAME OR LEASE NAME

Schwerdtfeger A LS

9. WELL NO.

9A

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12. COUNTY OR PARISH 13. STATE
San Juan NM

14. PERMIT NO.
30-045-26636

15. ELEVATIONS (Show whether on or off land)
6718' GL
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PLUG OR ALTER Casing

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Progress Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1/15/86 MIRU four corners rig #7. Spud 12 1/4 hole @ 1:15PM 1/15/86. Dr1 & surv. Circ, trip out. RU & run 7 jts 9-5/8", 36#, K-55 STC csg (282') set @ 292'. CMT w/220 SX (260CF) CL-B + 1/4# celloseal + 2% cac12. PD @ 7:30 PM 1/15/86. Circ 15 bbl CMT. WOC. Inst head & NU. Test blind rams & manifold, 1000 PSI, OK.

1/16/86 PT blind rams & manifold, 1000, OK. TIH, PT pipe rams. Dr1 plug & 38' CMT.

1/18/86 Log GR-SP-DILL fr 3241-292; GR-CDL-CNL-CAL fr 3241-1241. Rd, TIH, Circ, LDDP & DC. RU & run 79 jts 7", 23#, K-55, STC csg (3318') set @3302'. FC @ 3257. Cmt w/475 SX (874 CF) 65/35/6 + 1/4#/SX Celloflake + 2% CACL2 & 100 SX (118CF) CL-B w/1/4#/SC Celloflake + 2% CACL2. PD @ 10 PM 1/18/86. Did not pump plug. Displ 1/2 bbl over. Circ 10 bbls cmt to surf. Set slips.

1/19/86 WOC, NU, TST blind rams & manifold, 1500, OK. WOC. RIH w/6 1/4 bit, DC & DP. PT pipe rams, 1500, 30 min, OK. Dr1 68' cmt.

1/20/86 RU Gearhart, running logs.

18. I hereby certify that the foregoing is true and correct

SIGNED

Ann Joliver

TITLE

Administrative Operations

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEB 11 1986

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCC

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

1/21/86 Ran CDL-CNL-CAL fr 5678 -3302; DIL fr 5678-3302. RU & ran 59 jts 4-1/2", 10.5#, K-55 STC csg (2565') set @ 5677' KB. TOL @ 3112' KB. Cmt w/160 SX (294CF) 65/35 POZ + .6% gel + .6% FL add & 150 SX (177CF) CL-B + .6% FL Add. PD @ 4:30 PM 1/21/86. Circ out some chem wash & tr cmt. LDDP, NDBOP. Rig rel @ 8 PM 1/21/86.

R 51
FEB 13 1986
OIL CON. D.V.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Ann Toller

TITLE Administrative Operations

RECEIVED FEB 27 1986

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEB 11 1986

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED		5. LEASE DESIGNATION AND SERIAL NO. SF-079319	
2. NAME OF OPERATOR Tenneco Oil Company		FEB 24 1986		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 3249, Englewood, CO 80155		BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1320' FSL, 520' FEL				8. FARM OR LEASE NAME Schwerdtfeger A LS	
				9. WELL NO. 9A	
				10. FIELD AND POOL, OR WILDCAT Blanco MV	
				11. SEC., T., R., E., OR S.E., AND SURVEY OR AREA Sec. 31, T28N, R8W	
14. PERMIT NO. 30-045-26636		15. ELEVATIONS (Show whether SP, ST, GR, etc.) 6718' GL		12. COUNTY OR PARISH San Juan	
				13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PCLL OR ALTER CASING ☐
MULTIPLE COMPLETION ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☒
SHOOTING OR ACIDIZING ☒
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

2/15/86 MIRU workover rig. PU & RIH w/2-3/8 tbg.

2/17/86 RIH w/3-7/8 bit on 2-3/8 tbg, tag cmt @ 5560. Load hole & PT, 3500, 10 min, OK. SPTD 350 gal 7-1/2% DI HCL @ 5440. POOH w/tbg & bit. Ran GR-CCL fr 5555-5050. Perf KMF & PLO as fol: 5186-90, 5202-12, 5216-18, 5224-34 w/1 JSPF; 5285-90, 5299-5301, 5310-12, 5364-68, 5374-77, 5437-40 W/2 JSPF; tot 45' & 70 holes. Acdz w/1400 gal 15% wgted HCL. Frac MV w/96M gal wtr & 113M# 20/40 SD. Clsd blind rams ASAP.

2/18/86 CO w/foam to PBD. POOH w/5 stands, kick around w/N2. FTCU for 3 hrs, not mkg SD. RIH to PBD, no fill. Land @ 5405' KB. NDBOP, NUWH, RDMOSU. Kick well around w/N2, left well FTCU.

18. I hereby certify that the foregoing is true and correct

SIGNED

Ann Jellison

TITLE Administrative Operations

DATE 2-20-86

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE FEB 27 1986

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side
NMOCC

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY E&P

DEPTH INCLINATION

127	3/4°
220	1/2°
230	3/4°
528	1°
745	2-1/4°
971	1-1/2°
993	1-1/2°
1181	1-1/4°
1433	1-1/4°
1932	1-1/4°
2432	1-1/4°
2931	1-1/4°
3275	3/4°

DEPTH INCLINATION

3560	1/4°
4070	1/4°
4595	1°
5096	1/2°
5630	1/4°

AFFIDAVIT

This is to certify that to the best of my knowledge, the above tabulation details the deviation test taken on Tenneco Oil Company's well: Schwerdtfeger A LS #9A, Section 31, T28N-R8W, San Juan County, New Mexico.

Signed: Ann Tolliver
Agent for Tenneco Oil Company

THE STATE OF COLORADO)
CITY AND COUNTY OF DENVER)

Before me, the undersigned authority, on this day, personally appeared, Ann Tolliver, known to me to be an Agent for Tenneco Oil Company, and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that she has knowledge of the facts stated herein, and that said statement is true and correct. Subscribed and sworn to before me, a Notary Public in and for said County and State, this 13th day of March, 1986.

My Commission Expires:

November 8, 1988

Manda L. Thomas
Notary Public

RECEIVED
MAR 17 1986
OIL CON. DIV
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 3-11-86			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 5682		Plug Back TD		Elevation		Farm or Lease Name SCHWERTFEGER A LS	
Csg. Size 7" 4 1/2"		Set At 3302 5677		Perforations: From 5186 To 5440		Well No.		9A	
Tbg. Size 2 3/8"		Set At 5405		Perforations: From To		Unit Sec. Twp. Rye.		C 31 28N 8W	
Type Well - Single - Drivenhead - G.G. or G.O. Multiple						Packer Set At		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L H		Gg .700		% CO ₂		% N ₂		% H ₂ S	
						Prover		Meter Run Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							660		690		
1.	2x6x.75						205		498	50	3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		217	1.010	1.195	1.0271	2959
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcft/bbl.	Deg.
1.	.32	510	1.32	.948								
2.												
3.												
4.												
5.												

P _r 702 P _c 492804				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1177$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7555$	
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²	
1		510	260 100	232704	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5194$				Absolute Open Flow 5194 Mcfd @ 15.025 Angle of Slope @ Slope, n .75	
Remarks:					

Approved by Division	Conducted by:	Calculated by:	Checked by:
----------------------	---------------	----------------	-------------

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. EXCH. ☐ Other _____

RECEIVED

MAR 17 1986

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with BLM Form 3160-1, (Rev. 11-83))

At surface 1320' FSL, 520' FEL

At top prod. interval reported below

At total depth

5. LEASE DESIGNATION AND SERIAL NO.

SF-079319

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Schwerdtfeger A LS

9. WELL NO.

9A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., M., ON BLOCK AND SURVEY OR AREA

Sec. 31, T28N-R8W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. PERMIT NO.

30-045-26636

DATE ISSUED

Dist 13 16/85

15. DATE SPUDDED 1/15/86 16. DATE T.D. REACHED 1/21/86 17. DATE COMPL. (Ready to prod.) 3/11/86 18. ELEVATIONS (DF, BMB, RT, GR, ETC.)* 6718' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5682' KB 21. PLUG, BACK T.D., MD & TVD 5560' KB 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5186'-5440' KB Mesaverde 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-SP-DILL, GR-CDL-CNL-CAL, CDL-CNL-CAL, DIL, GR-CCL 27. WAS WELL CORRED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	292' KB	12-1/4"	220SX (260CF)	
7"	23#	3302' KB	8-3/4"	575SX (992CF)	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3112' KB	5677' KB	310SX(471CF)		2-3/8"	5405' KB	

31. PERFORATION RECORD (Interval, size and number)
5186-90, 5202-12, 5216-18, 5224-34 w/1 JSPF;
5285-90, 5299-301, 5310-12, 5364-68,
5374-77, 5437-40 w/2 JSPF; tot 45' & 70
holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
5186'-5440' KB Acdz w/1400 G 15% wgt'd HCL.
Frac w/96M G wtr & 113M#
20/40 SD.

33. PRODUCTION
DATE FIRST PRODUCTION 2/17/86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 3/11/86 HOURS TESTED 3 hrs CROCK SIZE 3/4 PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO 370
FLOW, TUBING PRESS. CASINO PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.) 205 psi 498 psi 2959

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs to be forwarded ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Ann Tolliver TITLE Administrative Operations DATE MAR 21 1986 3-13-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020'	2140'	Sandstone			
Kirkland	2140'	2640'	Shale			
Fruitland	2640'	2960'	Sandstone, Shale, Coal			
Pictured Cliffs	2960'	3130'	Sandstone			
Lewis	3130'	3896'	Shale			
Chacra	3896'	4588'	Shale, Sandstone-Water			
Cliffhouse	4588'	4616'	Sandstone, Shale-Water			
Menefee	4616'	5198'	Sandstone, Shale, Coal-Gas, Water			
Point Lookout	5198'	5610'	Sandstone, Shale-Gas			
Mancos	5610'	TD	Shale			
Above terms expressed in KB.						

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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	GAS
OPERATOR	
PRORATION OFFICE	

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1
RECEIVED
MAR 17 1986
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)
☒ New Well
☐ Recompletion
☐ Change in Ownership
 Change in Transporter of:
☐ Oil
☐ Casinghead Gas
☐ Dry Gas
☐ Condensate
 Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Schwerdtfeger A LS	Well No. 9A	Pool Name, including Formation Blanco Mesaverde	Kind of Lease State, Federal or Fee USA SF	Lease No. 079319
Location Unit Letter I : 1320 Feet From The South Line and 520 Feet From The East 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 I	Sec. 31
	Twp. 28N	Rge. 8W
	Is gas actually connected? No	When ASAP

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.

Ann Toller
(Signature)

Administrative Operations

March 13, 1986

(Date)

OIL CONSERVATION DIVISION
APPROVED **MAR 25 1986**
BY **Original Signed by FRANK T. CHAVEZ**
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.

IV. COMPLETION DATA

Designate Type of Completion — (X)		Oil Well	Gas Well X	New Well X	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v
Date Spudded 1/15/86	Date Compl. Ready to Prod. 3/11/86	Total Depth 5682' KB			P.B.T.D. 5560' KB				
Elevations (DF, RKB, RT, GR, etc.) 6718' GL	Name of Producing Formation Mesaverde	Top Oil/Gas Pay 5186' KB			Tubing Depth 5405' KB				
Perforations 5186-90, 5202-12, 5216-18, 5224-34 w/1 JSPF; 5285-90, 5299-301, 5310-12, 5364-68, 5374-77, 5437-40 w/2 JSPF; 45', 70 holes						Depth Casing Shoe 5677' KB			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12-1/4"	9-5/8" csg		292' KB		220SX (260CF)				
8-3/4"	7" csg		3302' KB		575SX (992CF)				
6-1/4"	4-1/2" liner csg		3112' KB-5677' KB		310SX (471CF)				
--	2-3/8" tbq		5405' KB		--				

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 Tanks	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 2959 mcf/d	Length of Test 3 hrs	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back pressure	Tubing Pressure (Shut-in) 660 psi	Casing Pressure (Shut-in) 690 psi	Choke Size

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

DISTRICT II
P.O. Drawer UD, 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

Operator Amoco Production Company		Well API No. B004526636
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"/> Dry Gas <input type="checkbox"/>	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Casinghead Gas <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. 9A	Pool Name, including Formation BLANCO (MESAVERDE)	FEDERAL	Lease No. SF079319
Location Unit Letter I 1320 Feet From The FSL Line and 520 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) 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) P. O. BOX 1492, EL PASO, TX 79978
EL PASO NATURAL GAS COMPANY	
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, 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 (piston, 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.

J. L. Hampton
Signature

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY		Well API No. 300452663600
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 type="checkbox"/>	Dry Gas <input checked="" 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 SCHWEDTFEGER A LS	Well No. 9 88A	Pool Name, Including Formation BLANCO MESAVERDE (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter D	1320	Feet From The FSL	Line and 520	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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
MERIDIAN OIL INC.	3535 EAST 38TH STREET, FARMINGTON, NM 87401	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input 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	Soc.
	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, 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 10% of total volume for full 24 hours.)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, 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 (pump, 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, Staff Admin. Supervisor
Printed Name
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.
- 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.

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

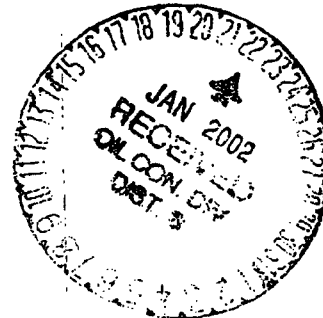
I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Mary Corley

Printed name: Mary Corley

Title: Senior Regulatory Specialist

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



NMOCD Approval

Signature: [Signature]

Printed Name: SUPERVISOR DISTRICT #3

District: JAN 22 2002

Date: _____

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

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

30-045 Form C-103
Revised March 25, 1999

WELL API NO. 266360	
5. Indicate Type of Lease	STATE FEE
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name: Schwerdtfeger A LS (Also filed on BLM Form 3160-5 Federal Lease SF - 079319)	
8. Well No.	9A
9. Pool name or Wildcat Blanco Mesaverde & Otero Chacra	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 6718' GR	

SUNDY 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

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

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

4. Well Location
Unit Letter J 1320 feet from the South line and 520 feet from the West line
Section 31 Township 28N Range 08W NMPM San Juan County

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: Downhole Commingle <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 recomplete the subject well into the Otero Chacra and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.

The Blanco Mesaverde (72319) & Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOC order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore, no further notification of this application is required.

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Mesaverde. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Chacra. Attached is the future production decline estimates for the Mesaverde.

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 04/08/2004
Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #5 DATE APR 12 2004
Conditions of approval, if any:

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
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-26636		² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 001033	⁵ Property Name Schwerdtfeger A LS		⁶ Well Number 9A
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company		⁹ Elevation 6718' GR

¹⁰ Surface Location

UL or lot no. Unit J	Section 31	Township 28N	Range 08W	Lot Idn	Feet from 1320'	North/South South	Feet from 520'	East/West East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
¹² Dedicated Acres 144.8		¹³ Joint or Infill		¹⁴ Consolidation Code			¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 04/08/2004 Date	
	¹⁸ SURVEYOR CERTIFICATION 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 belief. 7/23/1985 Date of Survey Signature and Seal of Professional Surveyor: William E Mahnke 8466 Certificate Number	



Review/Print Permit

Administrative Applications/Orders



Basic Application and Log-In Data

Mod Date: 04/13/2004

Application No.	Application Type	Order No.	Amnd #	R-Order No.	Processing Dates	County	San Juan	Approvals		
65NH04104349781	Downhole Commingling	1472	0	11363	Order	04/13/2004	Reviewer	Hayden	BLM?	<input checked="" type="checkbox"/>
Applicant	BP AMERICA PRODUCTION COMPANY	Rev'd	04/12/2004	Exp.			District	Aztec	Farminglo	
Contact	Mary Corley	Susp'n		Cancel			Issuing Off	Aztec	SLO?	<input type="checkbox"/>
Notes	Schwerdtfeger A LS #9A	Addl CC								
Permit Level Actions and/or Data										
Oil/Gas <input type="checkbox"/> Gas <input type="checkbox"/> DS Approval <input type="checkbox"/>										

PoolNo	GasPcnt	OilPcnt	Notes	Pool Rules
BLANCO-MESAVERDE (PRORATED GAS)	0.00%	0.00%		
OTERO CHACRA (GAS)	0.00%	0.00%		

Well Specific and Technical Data

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

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