

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. SF-079319	
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name	
3. Address and Telephone No. P.O. Box 800, Denver, CO 80201 (303) 830-4988		7. If Unit or CA, Agreement Designation	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1190' FSL 1530' FEL Sec. 6 T 27N R 8W Unit O		8. Well Name and No. Schwerdtfeger A 5	
		9. API Well No. 3004511888	
		10. Field and Pool, or Exploratory Area Blanco Mesaverde/Otero Chacra	
		11. County or Parish, State San Juan New Mexico	

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Downhole Commingle
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)

Amoco Production Company requests permission to recomplate to the Mesaverde and Chacra; then downhole commingle the Dakota, Mesaverde, and Chacra.

RECEIVED
MAR - 8 1996
OIL & GAS
BUREAU

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

Signed Patty Haefelee Title Staff Assistant Date 02-08-1996

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____

Conditions of approval, if any: _____

MAR 04 1996

DISTRICT MANAGER

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 statement or representations as to any matter within its jurisdiction.

District I
PO Box 1980, Hobbs, NM 88241-1980
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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004511888		2 Pool Code 82329		3 Pool Name Otero Chacra	
4 Property Code 1031		5 Property Name Schwerdtfeger A			6 Well Number 5
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 6760'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	6	27N	8W		1190	South	1530	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

<div>16</div> <div>RECEIVED MAR - 8 1996 OIL CON. DIV. DIST. 3</div>				<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Patty Haeefe</u> Signature Patty Haeefe Printed Name Staff Assistant Title 2/8/96 Date</p>	
				<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p><u>12-3-65</u> Date of Survey Signature and Seal of Professional Surveyer: on file Certificate Number <u>2463</u></p>	
				<div>19</div> <p>1190' 1530'</p>	

16			17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature <u>Patty Haeefele</u> Patty Haeefele Printed Name _____ Staff Assistant Title _____ Date <u>2/8/96</u> Date _____
			18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey <u>12-3-65</u> Signature and Seal of Professional Surveyor: _____ on file Certificate Number <u>2463</u>

1190'

1530'



SJOET Well Work Procedure

Wellname: Schwerdtfeger A 5
Version: #1
Date: January 29, 1996
Budget: Major Cash
Workover Type: Recompletion

Objectives:

1. Check for and eliminate casing leaks.
2. Recomplete the Point Lookout, Menefee, and the Chacra horizons.
3. Establish gas rates and shut-in pressures on the MV and CK horizons.
4. Place well on production--trimingle existing DK with the MV and CK.

Note: We will attempt to frac both MV and CK horizons in one day.

Pertinent Information:

Location:	1190' FSL, 1530' FEL, O6-27N-8W	Horizon:	DK
County:	San Juan	API #:	30-045-11888
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # SF-079319	Phone:	W--(303)830-5612
Well Flac:			H--(303)696-7309
			P--(303) 553-6448

Economic Information:

APC WI:	100%	DK Prod. Before Recomp:	100 MCFD
Estimated Cost:	\$158,000	DK Anticipated Prod.:	100 MCFD
Payout:	3.9 years	MV Anticipated Prod.:	200 MCFD
Max Cost -12 Mo. P.O.		CK Anticipated Prod.:	50 MCFD
PV15:	\$110M		
Max Cost PV15:		Total Anticipated Prod.:	350 MCFD

Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	4630
Ojo Alamo:		Point Lookout:	5204
Kirtland Shale:		Mancos Shale:	5674
Fruitland:		Gallup:	6384
Pictured Cliffs:		Greenhorn:	7154
Lewis Shale:		Graneros:	7218
Chacra:	3854	Dakota:	7300
Cliffhouse:	4570	Morrison:	

Bradenhead Test Information:

Test Date: 8/19/93 **Tubing:** 290 **Casing:** 480 **BH:** 0

Suggested Procedure:

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Record DK SITP and CPs. Blow down well. Kill, only if absolutely necessary, with water.
3. Lower 2 3/8" and tag for fill. POOH with 2 3/8" tbg. NDWH. NUBOP. RHH with tbg and RBP, set RBP at 7200', circulate hole clean. Pressure test casing to 500#. Isolate any leaks found and contact Denver. DO NOT repair any leaks before running CBL.
4. Run CBL/CCL/GR from RBP to TOL at approx. 3000' to determine TOCs. Relay CBL info to Mark Rothenberg in Denver (continuous fax # 303-830-4264) to verify if remedial cement squeezes will be needed prior to any frac treatment.
5. Release RBP and reset at 5600'. Spot 10' of sand on RBP and pressure test plug to 1000 psig.
6. Correlate GR to Welex Induction-Electric log (12/21/65) for depth control. Perf Limited Entry 22 shots at:
4920, 4926, 5208, 5236, 5240, 5252, 5257, 5264, 5278, 5285, 5298
5314, 5320, 5338, 5344, 5358, 5380, 5384, 5420, 5462, 5515, 5526
7. Break down and ball off perfs and frac MV according to frac procedure A.
8. THH with wireline and RBP, set BP at 4000'. Spot 10' of sand on top of BP and pressure test BP to 1000 psig.
9. Perf Chacra high density with 2 JSPF over interval, **3868-3872 and 3890-3895**.
10. Break down and ball off perfs and frac Chacra according to frac procedure B.
11. Flow well back as soon as possible to tank on a 1/4" choke for 8 hours, then increase choke to 1/2". Establish and record gas, water, oil rates and producing and shut-in TP and Cps. Obtain water and gas samples.
12. RHH with bit and scraper for 4.5" csg and c/o sand to RBP at 4000'. TOH with RBP and RHH with bit and scraper for 4.5" csg and c/o sand to lower plug at 5600'. Establish and record gas, water, oil rates, producing and shut-in TP and CPs. Obtain water and gas samples.
13. Retrieve RBP at 5,600' and TOOH.
14. THH with 2 3/8" production string, tag for fill and clean out if necessary, and land at same depth, 7502' (1/2 mule shoe on btm and a SN 1 JT off btm). RDMOSU
15. Place well on production.

Note: Since this procedure may involve recompletion and DRA expenditures, please be sure to label all invoices accordingly so that costs can be accounted for properly.

If problems are encountered, please contact:

MARK ROTHENBERG

(W) (303) 830-5612

(H) (303) 696-7309

(P) (303) 553-6448

Amoco Production Company

Sheet No. _____ of _____
 File _____
 Appn _____
 Date 1/29/15
 By MDR

ENGINEERING CHART

SUBJECT Schwerdtfeger A 5 3004511888

1190 F39 X 1530 FEL Unit O sec 6 27N-8W Fed. Lease # SF-079319

