

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMSF - 079319

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator BP AMERICA PRODUCTION COMPANY			8. Lease Name and Well No. SCHWERTFEGER A LS 9A		
3. Address P.O. BOX 3092 HOUSTON, TX 77253			9. API Well No. 30-045-26636		
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 31 T28N R8W Mer NMP At surface NESE 1320FSL 520FEL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory OTERO CHACRA		
14. Date Spudded 01/15/1986			15. Date T.D. Reached 01/21/1986		
16. Date Completed 08/13/2004			17. Elevations (DF, KB, RT, GL)* 6718 GL		
18. Total Depth: MD 5682 TVD			19. Plug Back T.D.: MD 5560 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)					

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 K-55	36.0	0	292		220	3	0	
8.750	7.000 K-55	23.0	0	3302		575		0	
6.250	4.500 K-55	11.0	3112	5677		310		3112	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5394							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CHACRA	3899	4092	3899 TO 4092	0.420	60	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3899 TO 4092	209,437# 16/30 BRADY SAND, 70 QUALITY FOAM & N2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/10/2004	08/12/2004	12	→	1.0	400.0	1.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
3/4	SI	80.0	→					PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						AUG 19 2004

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #34868 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

FARMINGTON FIELD OFFICE

NMOCD

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 29. Disposition of Gas(Sold, used for fuel, vented, etc.)

FLARED

## 30. Summary of Porous Zones (Include Aquifers):

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.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				OJO ALAMO	2020
				KIRKLAND	2140
				FRUITLAND	2640
				PICTURED CLIFFS	2960
				LEWIS	3130
				CHACRA	3896
				CLIFFHOUSE	4588
				MENEFEE	4616
				POINT LOOKOUT	5198
				MANCOS	5610

## 32. Additional remarks (include plugging procedure):

Please see attached for well subsequent report.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #34868 Verified by the BLM Well Information System.  
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington  
Committed to AFMSS for processing by STEVE MASON on 08/19/2004 ()

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 08/19/2004

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

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

Schwerdtfeger A LS 9A  
Recompletion & Downhole Commingling Subsequent Report  
08/16/2004

08/04/2004 MIRUSU.

Blow down well. NDWH. NU BOPs. Pressure test BOPs to 500 psi. Test Ok.  
RU, TIH & TOH w/TBG.

TIH w/bit & scraper to 4250'. TOH. TIH w/CIBP & set @ 4200'. Load & circ  
hole w/2% KCL. Pressure test CSG to 2000#. Test ok. RU & run GR log.

RU & perforate Chacra formation w/ 2 JSPF, .420 inch diameter: (30 shots/ 60  
holes): 4092, 4084, 4077, 4073, 4063, 4055, 4053, 4049, 4045, 4041, 4030,  
4025, 4021, 4017, 4015, 3969, 3961, 3954, 3949, 3945, 3937, 3935, 3933,  
3926, 3924, 3921, 3912, 3909, 3907, 3899.

Spearhead 500 gal 15% HCL, establish injection rate, & fracture stimulate  
w/209,437# 16/30 Brady Sand, 70 Quality foam & N2. RU & flowback frac thru  
1/4" for 8 hrs. Upsized to 1/2" choke & flowed back 8 hrs. Upsized to 3/4" choke &  
flowed back for 9 hrs. Open well on 2" line & flowed for 8 hrs.

TIH & tag fill @ 4100'. C/O to CIBP set @ 4200'. RU & flow back well thru 3/4"  
choke 10 hrs. RU & flow test well for 12 hrs thru 3/4" choke. 400 MCF Gas, Trace  
Oil, Trace WTR. FCP 80#. TIH & tag CIBP & SO. TIH & C/O fill to PBTD @  
5560'.

TIH w/2-3/8" production TBG & land @ 5394'. Pull plug. RD slickline unit. ND  
BOPs. NUWH. Test well for air.

08/13/2004 Service unit released @ 18:00 hrs.

Returned well to production - downhole commingling Chacra & Mesaverde  
production.