

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other

2. Name of Operator

BP America Production Company Attn: Cherry Hlava

3. Address

P.O. Box 3092 Houston, TX 77253

3a. Phone No. (include area code)

281-366-4081

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **1750' FSL & 2200' FWL**

At top prod. Interval reported below **840' FSL & 2070' FWL**

881 2067

At total depth **SAME AS ABOVE**

14. Date Spudded

4/30/2006

15. Date T.D. Reached

5/11/2006

16. Date Completed

☐ D & A ☒ Ready to Prod.

5/25/2005

17. Elevations (DF, RKB, RT, GL)*

5847'

18. Total Depth: MD

7237

TVD

7237

19. Plug Back T.D.: MD

7237

TVD

7237

20. Depth Bridge Plug Set: MD

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL & RST

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☒ No ☐ Yes (Submit report)

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
13 1/2"	9 5/8" H-40	32	0	245'		227		0	
8 3/4"	7" K&J55	20&23#	0	4528'	4518'	548		0	
6 1/4"	4.5" J-55	11.6	0	7129'	7234'	258		3600'	
					per Richard w/BP				

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 3/8"	7060'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Basin Dakota	7000'	7060'	7000' - 7060'	3.125"		
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7000' - 7060'	30,000 LBS 20/70 Badger SND 155,159# 20/40 C-LITE SND IN 60% 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
est 5/30/06	5/25/06	12	→	trace	1088	trace			Flows
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2"		135	→						

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
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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

NMOCD

JUN 2 2005
JUN 02 2006
FARMINGTON FIELD OFFICE

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.)

Vented / Sold

30. Summary of Porous Zones (Included 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
				Cliffhouse	4180
				Menefee	4400
				Pt Lookout	4808
				Mancos	5184
				Greehorn	6840
				Graneros	6895
				Two Wells (DAK.)	6949
				Paguate	7032
				Upper Cubero	7079
				Lower Cubero	7110
				Encinal Canyon	7152
				Dakota	7095

32. Additional Remarks (including plugging procedure)

Please see attached 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 | 3. Other: | |

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

Name (please print) Cherry HlavaTitle Regulatory Analyst

Signature

Cherry HlavaDate 5/25/2006

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.

Zachary LS 1E
Completion Subsequent Report
05/25/06
30-045-33021

5/19/06 TIH w/3.125" GUN & PERF DK 7000' – 7060' @ 1 JSPF.

5/20/06 TIH & FRAC w/30,000 lbs of 40/70 BADGER SAND. THEN PMP 150,000 lbs of 20/40 C-LITE SND. SI CSG PRES 1800 PSI. HEAVY FOAM & WTR.

5/22/06 PRES TST BOP @2500# HIGH 250# LOW

5/23/06 FLW TO FLARE PIT ON ¾" CK.

5/24/06 CLEAN OUT TO 7160'.

5/25/06 TIH LAND TBG @ 7060'. RIG DN MOVE OFF LOCATION.

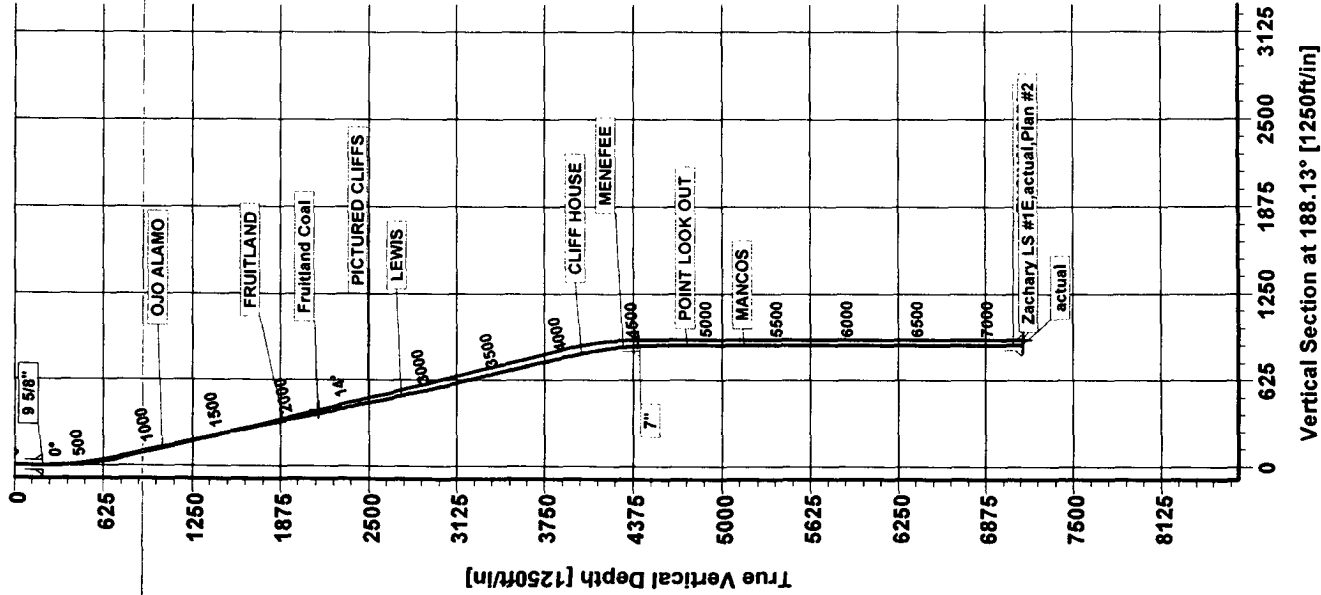




Field: SAN JUAN, New Mexico
Site: SEC 25-T31N-R11W
Well: Zachary LS #1E
Wellpath: actual

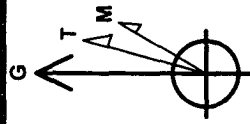


COMPARISON PLOT



PLANNED
ACTUAL

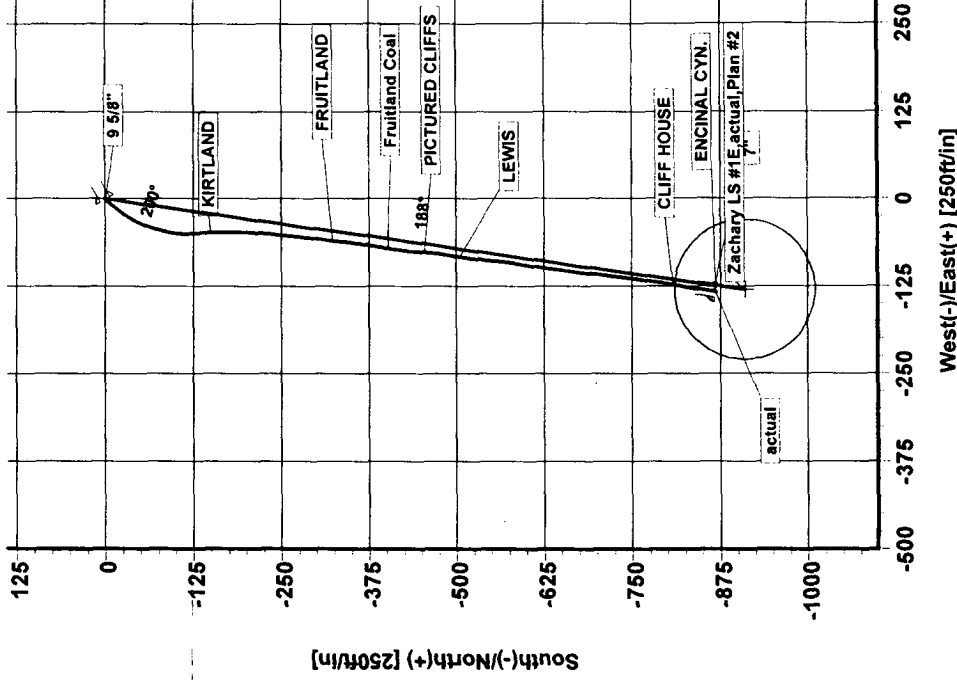
LEGEND
— Zachary LS #1E, actual, Plan #2
— actual



Azimuths to Grid North
True North: 0.07°
Magnetic North: 10.71°
Magnetic Field
Strength: 51364nT
Dip Angle: 63.69°
Date: 4/25/2006
Model: bggm2005

FORMATION TOP DETAILS

No.	TVDPPath	MDPath	Formation
1	1043.00	1058.98	OJO ALAMO
2	1115.00	1132.80	KIRTLAND
3	1898.00	1934.84	FRUITLAND
4	2143.00	2185.45	FRUITLAND COAL
5	2499.00	2550.45	PICTURED CLIFFS
6	2730.00	2786.88	LEWIS
7	4009.00	4102.04	CLIFF HOUSE
8	4306.00	4403.40	MENEFEE
9	4756.00	4853.71	POINT LOOK OUT
10	5158.00	5255.71	MANCOS
11	6768.00	6865.71	GREENHORN
12	6814.00	6911.71	GRANEROS
13	6870.00	6967.71	TWO WELLS
14	6854.00	6951.71	PAGUATE
15	6994.00	7091.71	CUBERO
16	7030.00	7127.71	L. CUBERO
17	7072.00	7169.71	ENCINAL CYN.



SURVEY PROGRAM

Date : 5/19/2006 Validated : No Version : 2

Depth Fm	Survey/Plan	Tool
307.00	4321.00	MWD ISCWSA
4321.00	7237.00	INC-TREND

SITE DETAILS

SEC 25-T31N-R11W
SAN JUAN NEW MEXICO

Site Centre Latitude: 36°52'01.926N
Longitude: 107°56'38.820W

Ground Level: 5847.00
Positional Uncertainty: 0.00
Convergence: -0.07

FIELD DETAILS

SAN JUAN, New Mexico
SAN JUAN COUNTY, NEW MEXICO
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Western Zone
Magnetic Model: bggm2005



Scientific Drilling
Directional Drilling Operations

Field: SAN JUAN, New Mexico
Site: SEC 25-T31N-R11W
Well: Zachary LS #1E
Wellpath: actual



IDA GRAPH - PLANNED VS ACTUAL (INCLINATION, DOGLEG & AZIMUTH)

LEGEND

— Zachary LS #1E, actual, Plan #2
— actual

