

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator
APACHE CORPORATION

3. Address 303 VETERANS AIRPARK LN. STE 3000 MIDLAND TX, 79705

3a. Phone No. (include area code)
432.818.1065

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

1750' FNL & 2310' FEL

At surface

At top prod. interval reported below

At total depth

14. Date Spudded
01/18/201115. Date T.D. Reached
01/30/201116. Date Completed 03/11/2011
☐ D & A ☒ Ready to Prod.18. Total Depth: MD 5994'
TVD19. Plug Back T.D.: MD 5954'
TVD20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BhP,CNPD,DLL,GR22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

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
12.25	8.625/J55	24	0'	432'		250 CL C		CIRC SURF	21 sx
7.875	5.5/J55	17	0'	5994'	STAGE 1	575CL C		CIRC SURF	160 sx
					STAGE 2	795 CL C		WL TOC @706	

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 7/8	5490'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Paddock	4253'		5051-5241'		42	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5361-5558	Acidize lwr bline w/3k gal 15% NEFE w/42 BS, Frac lwr bline w/107,716 gals 20% w/178.7k 16/30 wht sd
5051-5241	Acidize w/3k gals 15% NEFE w/42 BioBalls, Frac w/94,342 20# w/129.3k 16/30 wht sd

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
3/11/11	3/28/11	24 HRS	→	77	133	217	39.2		PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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 page 2)

RECEIVED

MAY 03 2011

NMOCD ARTESIA

ACCEPTED FOR RECORD

MAY 1 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD 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 (Solid, used for fuel, vented, etc.)

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
RUSTLER	NA				
YATES	1173				
SEVEN RIVERS	1458				
QUEEN	2066				
SAN ANDRES	2756				
GLORIETA	4191				
PADDOCK TUBB	4253 5718				

32. Additional remarks (include plugging procedure):

Returned to field manager
APR 1 2011
Carlsbad Field Office
Carlsbad, N.M.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ 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) KATIE KAUFFMAN

Title ENG. TECH

Signature

Date 03/16/2011

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.

(Continued on page 3)

(Form 3160-4, page 2)



Run Report & Survey Record

NES Log
Today's Date _____

Driller's Log

Page 1 of ____:

Well Data		NES Tool Data		Bit and Mud Data	
Company:	APACHE	Tool Size:	6"	Current Depth	0
Location:	EDDY	Tool No.		Mud Type:	
Log:	AZTEC124	Hole Size:		Mud Wt:	
Vell:	BIRDIE FED 7	Run No:		Sand %:	
Job No:		Flow Setting		Pump SPM	/
Company Man	RICHARD MCKAY	Flow GPM plan		Pump Output/Stk	/
Driller		Current GPM		Bit Type	
		Survey offset (ft)		Bit TFA (in2)	

Drilling Data					
Date & Time In:		Depth In		Drill/Circulate hrs:	/
Date & Time Out:		Depth Out		BRT hrs:	

Survey Record									Comp Surveys (MSS etc.)		
Survey	Date	Time	Survey Depth	Survey Flow Rate GPM	Pulse Height	SPP	Inc. Deg.	Comments Off Bottom, Drlg, etc	Date Time	Survey Depth	Inc. Deg.
1	1/19/11		432				0.5				
2	1/21/11		886				1.5				
3	1/22/11		1325				3				
4	1/22/11		1451				2				
5	1/22/11		1573				1.75				
6	1/22/11		1799				1.25				
7	1/23/11		2302				1				
8	1/23/11		2555				1				
9	1/23/11		2934				1				
10	1/24/11		3282				0.75				
11	1/24/11		3685				0.75				
12	1/26/11		4087				0.5				
13	1/26/11		4225				0.25				
14	1/27/11		4692				0.75				
15	1/28/11		5038				0.75				
16	1/28/11		5416				0.5				
17	1/29/11		5780				0.25				
18	1/29/11		5964				0.5				
19											
20											
21											
22											
23											
24											
25											

Comments



Upcoming Activity

crew Change Day

Tour Change Time

Navigate Energy Services
157000 International Plaza Dr.
Suite 150
Houston, Texas 77032
Tel: (832) 300 0030
Fax (832) 300 0025

NES TOS 10-09A

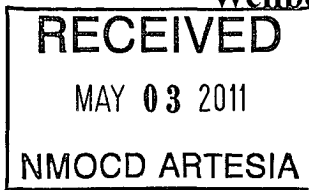
Field Service Engineer _____

Apache Corporation – Birdie Federal #7

Date: 4-12-11

Wellbore Diagram - Present Status

KB = 3699'
GL=3668'



Surface Location

1750' FNL, 2310' FEL
Section 17, T-17-S, R-30-E,
Eddy County, NM
API #: 30-015-37162

Hole Size
= 12 1/4"

8 5/8" 24# J-55 @ 432' cmt w/250 sx cl C (circ'd)

5 1/2" 17# J-55 Csg @ 5994 First stage cmt'd W/575 sx
(circ'd). Second stage cmt'd W/795 sx (TOC@706').

Hole Size
= 7 7/8"

TUBING DETAIL

Qty	Description	Length	Depth
185	2 7/8	5690.00	5,690.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00

Perf Mid Bline: 5051,60,74,86,97,5110,5120,5129,34,49,55,60,
71,83,89,97,5206,15,23,32,41 (3/4)

Perf Lwr Bline: 5361,74,87,92,5404,13,21,32,42,53,65,73,83,
91,99,5508,31,38,45,51,5558 (3/1)

PBTD =5954'
TD = 5994'