

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

BL

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-39221	Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 308707	Property Name BIRDIE FEDERAL	Well Number 017
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3677'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	17-S	30-E		2435	NORTH	1055	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

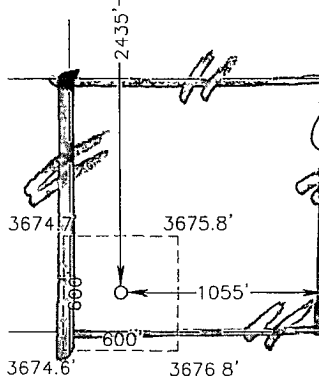
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

RECEIVED
OCT 27 2011
NMOCD ARTESIA

GEODETIC COORDINATES
NAD 27 NME

Y=667655.0 N
X=605920.2 E

LAT.=32.834995° N
LONG.=103.988489° W



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Bev Hatfield* Date: 9/19/11
Printed Name: Bev Hatfield

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.

DECEMBER 27, 2010

Date Surveyed: LA
Signature & Seal of Professional Surveyor: *Ronald Eidsen*
Certificate No. GARY G. EIDSON 12641
RONALD EIDSON 3239

OCD-ARTESIA

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

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1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

APACHE CORPORATION (873)

3a. Address

303 VETERANS AIRPARK LN, STE. 3000; MIDLAND, TX 79705

3b. Phone No (include area code)

432-818-1906

4. Location of Well (Footage, Sec, T, R., M, or Survey Description)

2435 FNL 1055 FEL Sec 17 T17S R30E

5. Lease Serial No.
NMNM-0074936

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
BIRDIE FEDERAL #17 (308707)9. API Well No
30 015 3922110. Field and Pool or Exploratory Area
LOCO HILLS; GLORIETA-YESO (96718)11. Country or Parish, State
EDDY COUNTY, NEW MEXICO

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other COMPLETION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

APACHE HAS COMPLETED THE BIRDIE FEDERAL #7 PER FOLLOWING PROCEDURE:

8-11-2011: DO DV TOOL.

8-12-2011: RIH W 3-1/8" PERF GUNS PERFORATE BLINBRY FROMW/ 1 JSPF 30 HOLES:

4882',96',4944',54',67',73',84',94',5000',19',37',47',54',81',92',5109',60',72',5200',20',30',40',45',68',5331',37',55',62',75',82'. ACIDIZE WELL W/ 3500 GAL 15% NEFE HCL W/ 60 7/8" RCN BALL SEALERS.

8-18-2011: BLINBRY FRAC. PUMP 24,276 GALS 18# PAD. PUMP 180726 GALS 18# W/ 219K LBS 16/30 WHT SD, 36K 16/30 SIBERROP; 3990 GAL

18# LINEAR GEL FLUSH. RIH W/ 3 1/8" GUNS & PERF PADDOCK / GLORIETA @ 4199',4210',4232',4259',4283',4298',4310',4322',4327', 4345', 4364',4375',4382',4390',4400',4422',4432',4442',4450',4459',4470',4490', 4498',4508',4515',4542',4546',4570',4576',4582'.W/ 1 JSPF, 30 HOLES.

ACIDIZE W/2,688 GALS 15% HCL @ 11.8 BPM, 1071#. DROP 60 7/8" 1.3 BALL SEALERS. START 2ND STAGE PADDOCK / GLORIETA FRAC. PUMP 23,058 GALS 18# PAD, PMP 169,260 GALS 18# W/ 204 K LBS 16/30 WHT,36K SIBERPROP; PMP 3990 GALS 18# LINEAR GEL FLUSH.

8-26-2011: RUNNING IN HOLE W/ BHA & TBG 125 JTS TAC @ 4127.36' SN @ 5449.38' ETD @ 5535.79' NIPPLED DWN BOP SET TAC FLANGED WELL UP PU RIH W/ 1"X1" STRAINER NIPPLE, 2 1/2"X 1 3/4" X 24" RHBC INSERT PMP 3/4" RHR 1"X 1" LIFT SUB 90- 3/4" KD STEEL RODS 64- 7/8" KD STEEL RODS 60- 1" KD STEEL RODS 1-6"X 1" PONY SUB 1-4"X1" PONY SUB 1 1/2"X 26" POLISH ROD SPACED ROD STRING OUT LOADED TBG W/ 2% KCL 500# HELD OK RDMOSU & REV UNIT WAITING ON PUMPING UNIT

9-8-2011: SET PUMPING UNIT RUN ELECTRICAL INSTALL SAFETY KILLS BUILD WELLHEAD RUN FLOWLINE TURN PROD TO BATTERY.

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

BEV HATFIELD

Title SR. STAFF ENGINEERING TECH

Signature

Date 09/19/2011

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

OCT 25 2011

Date

BUREAU OF LAND MANAGEMENT

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

(Instructions on page 2)

OPERATOR Apache
WELL/LEASE Birdie Federal 17
COUNTY Eddy

30-015-39221

STATE OF NEW MEXICO
DEVIATION REPORT

164	0.25
337	0.25
378	0.75
611	0.75
876	0.50
1114	1.00
1142	1.00
1166	0.09
1293	0.06
1651	0.70
1873	0.40
2181	0.10
2339	0.30
2498	0.20
2581	0.20
2657	0.30
3047	0.10
3323	0.30
3577	0.60
3767	0.40
4093	0.30
4369	0.90
4664	0.30
4845	0.60
5108	0.30
5330	0.60
5574	0.70
5720	0.70
5934	0.70
6188	0.90
6344	1.00
6414	0.90

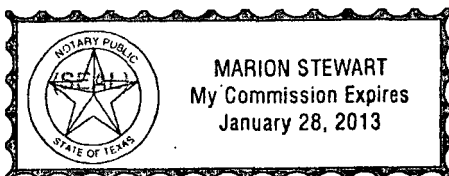


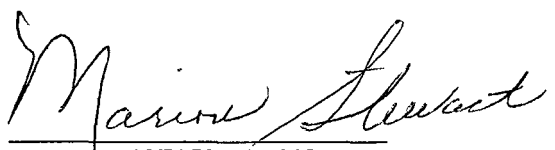
SIGNED BY: 

JAMES F. NEWMAN, VP-PERMIAN BUSINESS UNIT

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 18 DAY OF August, 2011, BEFORE ME, M STEWART, A NOTARY PUBLIC, PERSONALLY APPEARED JAMES F. NEWMAN, WHO ACKNOWLEDGED AND EXECUTED THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.




NOTARY PUBLIC

OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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)
432.818.1906

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
2435' FNL & 1055' FEL
At surface

At top prod interval reported below

At total depth

14. Date Spudded
07/22/2011

15. Date T.D Reached
08/02/2011

16. Date Completed 08/02/2011
☐ D & A ☒ Ready to Prod

5. Lease Serial No.
NMNM-0074936

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No

8. Lease Name and Well No
BIRDIE FEDERAL #017 (308707)

9. AFI Well No
30-015-39221

10. Field and Pool or Exploratory
LOCO HILLS; GLORIETA YESO<96718>

11. Sec, T., R., M., on Block and
Survey or Area SEC17, T17S, R30E

12. County or Parish

13. State

EDDY

NM

17. Elevations (DF, RKB, RT, GL)*
3677' GR

18. Total Depth MD 6454'
TVD

19. Plug Back T.D. MD 6300'
TVD

20. Depth Bridge Plug Set MD
TVD

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

22. 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
17.00	13-3/8 H40	48	0'	377'		450 CL C		CIRC SURF	115 SX
11.00	8-5/8 J55	24	0'	1155		470 CL C		CIRC SURF	55 SX
7.875	5.5 J55	17		6454	STAGE 1	600 POZ 50/50		CIRC SURF	43 SX
					STAGE 2	450 65/35 MIX			
					TAIL	175 50/50 MIX		CIRC SURF	19 SX

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	5535.79							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) BLINEBRY			4882-5382		30	PRODUCING
B) PADDOCK/GLORIETA			4199-4582		30	PRODUCING
C)						
D)						

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

Depth Interval	Amount and Type of Material
4882-5382	AT w/3500 gal 15% NEFE HCL w/60 BS, Frac w/208,740 gals 20% w/255.0k 16/30 wht sd
4199-4582	AT w/1688 gals 15% HCL w/60 BS, Frac w/196,308 20# w/240.0k 16/30 wht sd

RECLAMATION
DUE 3-2-12

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
9/2/2011	9-8-11	24 HRS	→	20	130	126	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	
			→				6500		Pmpg

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	
			→						

ACCEPTED FOR RECORD
OCT 25 2011
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*(See instructions and spaces for additional data on page 2)

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					
YATES	1191				
SEVEN RIVERS	1464				
QUEEN	2364				
SAN ANDRES	2753				
GLORIETA	4193				
PADDOCK	4248				
TUBB	5733				

32 Additional remarks (include plugging procedure)

Grayburg 2070
Blincery 4752

Bureau of Land Management
RECEIVED

OCT 14 2011

Carlsbad Field Office
Carlsbad, NM

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

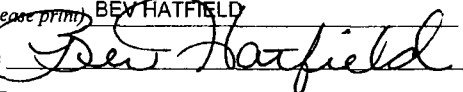
- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

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) BEV HATFIELD

Title SR STAFF ENGINEERING TECH

Signature



Date 09/02/2011

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)