

Submit to Appropriate District Office  
 Five Copies  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Avenue, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OGD

DEC 21 2012

RECEIVED

State of New Mexico  
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-105  
 July 17, 2008

1. WELL API NO.  
30-025-40370
2. Type Of Lease  
 STATE  FEE  FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:  
 COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)  
 C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)
5. Lease Name or Unit Agreement Name  
Black Bear 36 State 3H
6. Well Number  
Black Bear 36 State 3H

9. Type of Completion  
 NEW WELL  WORKOVER  DEEPENING  PLUGBACK  DIFFERENT RESERVOIR  OTHER

8. Name of Operator  
EOG Resources, Inc.

9. OGRID Number  
7377

10. Address of Operator  
P.O. Box 2267 Midland, TX 79702

11. Pool name or Wildcat  
Red Hills; Bone Spring Upper Shale (97900)

12. Location	Unit Letter	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	36	25S	33E		220	South	430	East	Lea
BH:	A	36	25S	33E		5055231	North	477434	East	Lea

13. Date Spudded  
8/28/12

14. Date T.D. Reached  
9/12/12

15. Date Rig Released  
9/14/12

16. Date Completed (Ready to Produce)  
11/27/12

17. Elevations (DF & RKB, RT, GR, etc.)  
3323' GR

18. Total Measured Depth of Well  
14385 M - 9502 V

19. Plug Back Measured Depth  
14364

20. Was Directional Survey Made  
Yes

21. Type Electric and Other Logs Run  
GR

22. Producing Interval(s), of this completion - Top, Bottom, Name  
9970 - 14261' Bone Spring

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	54.5	1000	17-1/2	800 C	
9-5/8	40	5072	12-1/4	1325 C	
5-1/2	17	14364	8-3/4	375 C, 1700 H	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	9469	

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
9970 - 14261', 0.39", 474 holes.	DEPTH INTERVAL   AMOUNT AND KIND MATERIAL USED
	9970 - 14261'   Frac w/ 6626 bbls 7.5% HCl acid, 2304590 lbs 100 mesh sd, 3641290 lbs 40/70 sd, 124094 bbls load

28. PRODUCTION

Date First Production 11/27/12	Production Method (Flowing, gas lift, pumping - Size and type pump) Gas Lift	Well Status (Prod. or Shut-in) Producing					
Date of Test 12/10/12	Hours Tested 24	Choke Size Open	Prod'n For Test Period	Oil - Bbl. 240	Gas - MCF 295	Water - Bbl. 1312	Gas - Oil Ratio 1229
Flow Tubing Press. 320	Casing Pressure 980	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 44.0	

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

30. Test Witnessed By

31. List Attachments  
C-102, C-103, C-104, directional survey

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:  
Latitude Longitude NAD: 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature: Stan Wagner  
 Printed Name: Stan Wagner  
 Title: Regulatory Analyst  
 Date: 12/18/12

APR 08 2013





# COMPLETED WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	<b>Black Bear 36 #3H</b> <b>Red Hills(Bone Spring) Field</b> <b>Lea County, New Mexico</b>		HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
			OGRID: API: 30-025-40370 AFE: 104917 SPUD: 8/28/12 @ 22:15 hrs FRR: 9/14/12 @ 20:45 hrs RIG: Cactus #139	SURF: 180' FSL & 430' FEL LOC: Sec. 36 SURVEY: T-25-S, R-33-E GL: 3323.0' KB: 3348.0' ZERO: 25.0' AGL						
2,000'	Rustler - 970'			20" Conductor @ 130'	17-1/2"	8.6	FW		N/A	
3,000'	T / Salado - 1320'	Salt		Surface Casing @ 1,000' 13-3/8" 54.5# J-55 STC Cement w/ 500 sx Class C + Bentonite + 1.0% CaCl2 + 0.25 pps Celloflake (13.5 ppg, 1.734 yld), followed by 300 sx Class C + 1.0% CaCl2 (14.8 ppg, 1.335 yld). Bump plug w/ 856 psi and circ 240 sx to surface	12-1/4"	9.0	Brine	86		
5,000'	B / Salado - 4920' Lamar - 5160' Bell Canyon - 5190'			TOC @ 4,500'		10.0				
6,000'	Cherry Canyon - 6190'			Intermediate Casing @ 5,072' 9-5/8", 40#, J-55, LT&C (0' - 3,919') 9-5/8", 40#, HCK-55, LT&C (3,919' - 5,072') Cement w/ 1125 sx Class C + 2.0% SMS + 10.0% Salt + 1.10% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.218 yld), followed by 200 sx Class C + 0.60% FL-62 + 0.45% CD-32 + 0.20% SMS + 0.30% R-3 (14.8 ppg, 1.334 yld), Bump plug w/ 1960 psi and circ 99 sx to surface		10.2			NA	
7,000'				Perforations, MD: 14,260; 14,205; 14,150; 14,095; 14,040; 13,985; 13,930; 13,875; 13,813; 13,765; 13,710; 13,655; 13,600; 13,540; 13,490; 13,435; 13,380; 13,325; 13,275; 13,215; 13,160; 13,105; 13,050; 12,990; 12,940; 12,885; 12,830; 12,775; 12,716; 12,665; 12,610; 12,555; 12,504; 12,445; 12,390; 12,335; 12,280; 12,220; 12,170; 12,115; 12,060; 12,005; 11,946; 11,895; 11,840; 11,790; 11,730; 11,675; 11,620; 11,565; 11,514; 11,455; 11,400; 11,345; 11,290; 11,228; 11,180; 11,125; 11,070; 11,015; 10,960; 10,905; 10,850; 10,795; 10,740; 10,685; 10,624; 10,575; 10,520; 10,465;		8.4		117	N/A	
8,000'		KOP @ 9,070'								
9,000'	Bone Spring Lime - 9350' Leonard A Top - 9380'									
10,000'	Massive Carbonate - 9680'			Production Casing @ 14,364' MD, 9,502' TVD 5-1/2" 17# HCP-110 LTC Cement w/ 375 sx 60:40:0 Class C + 15.0 pps BA-90 + 4.0% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.8% ASA-301 + 3.0% R-21 + 8.0 pps LCM-1 (10.8 ppg, 3.678 yld), followed by 400 sx 50:50:10 Class H + 0.8% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.0% Salt + 0.80% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake (11.8 ppg, 2.382 yld), followed by 1300 sx 50:50:2 Class H + 0.65% FL-52 + 0.50% CD-32 + 0.40% SMS + 2.0% Salt + 0.20% R-3 (14.2 ppg, 1.281 yld). Bump plug w/ 2000 psi, did not circ cement to surface	8-3/4"	9.3	WBM			
11,000'								140		

Compl Eng: RMW  
Date: 11/14/2012