

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

State of New Mexico  
Energy, Minerals and Natural Resources  
HOBBES OGD  
OIL CONSERVATION DIVISION  
220 South St. Francis Dr.  
Santa Fe, NM 87505  
DEC 14 2012 RECEIVED

Form C-105  
July 17, 2008  
1. WELL API NO.  
30-025-40580  
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  
6. Well Number  
4H

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

12. Location	Unit Letter	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	0	36	25S	33E		220	South	1340	East	Lea
BH:	B	36	25S	33E		239	North	1637	East	Lea

13. Date Spudded 7/15/12  
14. Date T.D. Reached 8/2/12  
15. Date Rig Released 8/4/12  
16. Date Completed (Ready to Produce) 11/22/12  
17. Elevations (DF & RKB, RT, GR, etc.) 3323' GL

18. Total Measured Depth of Well 14390 M - 9481 V  
19. Plug Back Measured Depth 14343  
20. Was Directional Survey Made Yes  
21. Type Electric and Other Logs Run GR

22. Producing Interval(s), of this completion - Top, Bottom, Name  
9987 - 14278' 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	61	994	17-1/2	800 C	
9-5/8	40	5050	12-1/4	1325 C	
5-1/2	17	14343	8-3/4	375 C, 1700 H	

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD SIZE	DEPTH SET	PACKER SET
					2-7/8	8831	

26. Perforation record (interval, size, and number)  
9987 - 14278', 0.39", 474 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9987 - 14278'	Frac w/ 6036 bbls 7.5% HCl acid, 2313290 lbs 100 mesh sd, 3713880 lbs 40/70 sd, 127061 bbls load

**28. PRODUCTION**

Date First Production 11/22/12	Production Method (Flowing, gas lift, pumping - Size and type pump) Gas Lift	Well Status (Prod. or Shut-in) Producing					
Date of Test 12/7/12	Hours Tested 24	Choke Size Open	Prod'n For Test Period	Oil - Bbl. 451	Gas - MCF 1510	Water - Bbl. 1878	Gas - Oil Ratio 3348
Flow Tubing Press. 400	Casing Pressure 900	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 45.4	

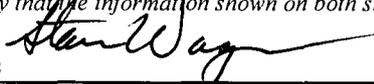
29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold

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  Printed Name Stan Wagner Title Regulatory Analyst Date 12/12/12  
E-mail address



APR 08 2013



# CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: API: 30-025-40580 AFE: 105222 SPUD: 7/15/12 @ 00:00 hrs FRR: 8/4/12 @ 03:30 hrs RIG: Cactus #139	Black Bear 36 State #4H Red Hills(Bone Spring) Field Lea County, New Mexico	SURF: 220' FSL & 1340' FEL LOC: Sec. 36 SURVEY: T-25-S, R-33-E GL: 3323.0' KB: 3348.0' ZERO: 25.0' AGL	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION	
2,000'	Rustler - 960'			<b>20" Conductor @ 100'</b>		17-1/2"	8.6	FW	86	N/A		
3,000'	T / Salado - 1310'	Salt		<b>Surface Casing @ 994'</b> 13-3/8" 61# J-55 BTC cement w/ 500 sx Class C + 4.0% 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/ 846 psi and circ 243 sx to surface		12-1/4"	10.0	Brine				
5,000'	B / Salado - 4910'			TOC @ 4,600'								
6,000'	Lamar - 5150'			<b>Intermediate Casing @ 5,050'</b> 9-5/8", 40#, J-55, LT&C (0' - 3871') 9-5/8", 40#, HCK-55, LT&C (3871' - 5,050') 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, 6.258 yld). Bump plug w/ 1960 psi and circ 278 sx to surface			10.2			NA		
7,000'	Bell Canyon - 5180'			<b>Perforations MD:</b> 14,277; 14,222; 14,160; 14,112; 14,057; 13,998; 13,947; 13,892; 13,837; 13,778; 13,727; 13,672; 13,612; 13,562; 13,507; 13,452; 13,395; 13,342; 13,287; 13,232; 13,172; 13,122; 13,067; 13,012; 12,962; 12,902; 12,847; 12,792; 12,742; 12,682; 12,627; 12,572; 12,510; 12,462; 12,407; 12,352; 12,295; 12,242; 12,187; 12,132; 12,077; 12,022; 11,967; 11,915; 11,857; 11,802; 11,747; 11,688; 11,637; 11,582; 11,522; 11,472; 11,417; 11,362; 11,304; 11,252; 11,197; 11,142; 11,087; 11,032; 10,977; 10,916; 10,867; 10,812; 10,757; 10,700; 10,647; 10,592; 10,537; 10,482; 10,427; 10,372; 10,320; 10,262; 10,207; 10,152; 10,092; 10,042; 9,987						117		
8,000'	Cherry Canyon - 6180'			<b>KOP @ -9,140'</b>								
9,000'	Bone Spring Lime - 9340'					8-3/4"	8.4	WBM		N/A		
10,000'	Leonard A Top - 9370'			<b>Production Casing @ 14,343' MD, 9,483' TVD</b> 5-1/2" 17# HCP-110 LTC (MJ @ 8836) 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 + 0.80% ASA-301 + 2.25% R-21 + 8.0 pps LCM-1 (10.8 ppg, 3.674 yld), followed by 400 sx 50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.0% Salt + 3.0 pps LCM-1 + 0.25 pps Celloflake (11.8 ppg, 2.379 yld), followed by 1300 sx 50:50:2 Class H + 0.65% FL-52 + 0.5% CD-32 + 0.35% SMS + 2.0% Salt + 0.005 gps FP-6L (14.2 ppg, 1.28 yld). Bump plug w/ 2300 psi. Did not circ cement to surface			9.3					
11,000'	Massive Carbonate - 9670'			<b>New PBDT w/ CIBP @ 14,297' MD</b> Set from KB corrected tubing tally depth. October 22, 2012.								

Comp Eng: D. Owusu  
Date: 11/13/2012