

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 OCD**  
**DEC 14 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.  
30-025-40368  
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  
1H

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		300	South	2190	East	Lea
BH:	B	36	25S	33E		5060221	North	2247203	East	Lea

13. Date Spudded: 8/11/12  
14. Date T.D. Reached: 8/29/12  
15. Date Rig Released: 8/31/12  
16. Date Completed (Ready to Produce): 11/9/12  
17. Elevations (DF & RKB, RT, GR, etc.): 3321' GL

18. Total Measured Depth of Well: 14335' M - 9438' V  
19. Plug Back Measured Depth: 14320'  
20. Was Directional Survey Made: Yes  
21. Type Electric and Other Logs Run: GR

22. Producing Interval(s), of this completion - Top, Bottom, Name  
9896 - 14189' 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	1046	17-1/2	800 C	
9-5/8	40	5085	12-1/4	1325 C	
5-1/2	17	14320	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	9433	

26. Perforation record (interval, size, and number)  
9896 - 14189', 0.39", 602 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9896 - 14189'	Frac w/ 5361 bbls 7.5% HCL acid, 2291680 lbs 100 mesh sd, 3713005 lbs 40/70 sd, 118760 bbls load.

**28. PRODUCTION**

Date First Production 11/9/12		Production Method (Flowing, gas lift, pumping - Size and type pump) Gas Lift				Well Status (Prod. or Shut-in) Producing	
Date of Test 12/8/12	Hours Tested 24	Choke Size Open	Prod'n For Test Period	Oil - Bbl. 358	Gas - MCF 1246	Water - Bbl. 1565	Gas - Oil Ratio 3480
Flow Tubing Press. 300	Casing Pressure 1000	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 44.4	

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: *Stan Wagner* Printed Name: Stan Wagner Title: Regulatory Analyst Date: 12/11/12  
E-mail address: \_\_\_\_\_

APR 09 2013





# COMPLETED WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: API: 30-025-40368 AFE: 104915 SPUD: 8/11/12 @ 06:30 hrs FRR: RIG: Cactus #123	Black Bear 36 State #1H Red Hills(Bone Spring) Field Lea County, New Mexico	SURF: 300' FSL & 2190' FEL LOC: Sec. 36 SURVEY: T-25-S, R-33-E GL: 3321.7' KB: 3351.7' ZERO: 30.0' AGL	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
2,000'	Rustler - 970'			20" Conductor @ 130'		17-1/2"	8.6	FW		N/A	
3,000'	T / Salado - 1320'	Salt		<u>Surface Casing @ 1,046'</u> 13-3/8" 54.5# J-55 STC 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/ 885 psi and circ 191 sx to surface		12-1/4"	9.0		86		
5,000'	B / Salado - 4920'			TOC @ 4,500'			10.0				
6,000'	Lamar - 5160'							Brine			
6,000'	Bell Canyon - 5190'									NA	
7,000'	Cherry Canyon - 6190'			<u>Intermediate Casing @ 5,085'</u> 9-5/8", 40#, J-55, LT&C (0' - 3,940') 9-5/8", 40#, HCK-55, LT&C (3,940' - 5,085') Cement w/ 1125 sx Class C + 2.0% SMS + 10.0% Salt + 1.05% R-3 + 0.25 pps Celloflake (12.7 ppg, 2.218 yld), followed by 200 sx Class C + 0.60% FL-62 + 0.25% CD-32 + 0.15% SMS + 0.2% R-3 (14.8 ppg, 1.334 yld). Bump plug and circ 253 sx to surface			10.2				
8,000'				<u>Perforations, MD:</u> 14,188; 14,131; 14,076; 14,021; 13,966; 13,911; 13,856; 13,801; 13,746; 13,691; 13,636; 13,581; 13,526; 13,471; 13,416; 13,361; 13,300; 13,251; 13,196; 13,141; 13,086; 13,031; 12,976; 12,921; 12,866; 12,816; 12,756; 12,701; 12,646; 12,591; 12,534; 12,481; 12,426; 12,371; 12,316; 12,261; 12,206; 12,151; 12,096; 12,035; 11,986; 11,931; 11,876; 11,824; 11,766; 11,711; 11,656; 11,601; 11,546; 11,491; 11,436; 11,381; 11,320; 11,276; 11,216; 11,161; 11,110; 11,051; 10,966; 10,941; 10,886; 10,826; 10,776; 10,721; 10,666; 10,611; 10,550; 10,501; 10,446; 10,391; 10,336; 10,281; 10,226; 10,171; 10,116;			8.4			N/A	
9,000'	Bone Spring Lime - 9350'	KOP @ -9,132'									
9,000'	Leonard A Top - 9380'					8-3/4"		WBM			
10,000'	Massive Carbonate - 9680'			<u>Production Casing @ 14,320' MD, 9,438' TVD</u> 5-1/2" 17# HCP-110 LTC (MJ @ 8913) 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 + 3.10% R-21 + 8.0 pps LCM-1 (10.8 ppg, 3.681 yld), followed by 400 sx 50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.5% SMS + 2.0% Salt + 0.05% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake (11.8 ppg, 2.38 yld), followed by 1300 sx 50:50:2 Class H + 0.65% FL-52 + 0.50% CD-32 + 0.40% SMS + 2.0% Salt + 0.15% R-3 (14.2 ppg, 1.281 yld). Bump plug w/ 2480 psi - did not circ cement to surface			9.3				
11,000'									140		

COMP Eng: RMW  
Date: 11/14/2012