

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.

30-045-30462

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No. _____

7. Lease Name or Unit Agreement Name

STATE COM F

8. Well No.

1B

9. Pool name or Wildcat

BLANCO MESA VERDE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WORK PLUG DIFF. RESVR. OTHER
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ ☐ ☐ ☐

2. Name of Operator

CONOCO INC.

3. Address of Operator

P.O. BOX 2197, DU 3066 HOUSTON, TEXAS 77252

4. Well Location

Unit Letter J : 1980 Feet From The SOUTH Line and 2210 Feet From The EAST Line

Section 36, Township 32N, Range 12W NMPM SAN JUAN County, NM

10. Date Spudded

04/17/2001

11. Date T.D. Reached

04/22/2001

12. Date Compl. (Ready to Prod.)

06/22/2001

13. Elevations (DF& RKB, RT, GR, etc.)

6322 GR

14. Elev. Casinghead

15. Total Depth

5416'

16. Plug Back T.D.

5415'

17. If Multiple Compl. How Many Zones?

SINGLE

18. Intervals Drilled By

Rotary Tools

Y

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

4733' - 5298' BLANCO MESA VERDE

20. Was Directional Survey Made

Y- 1 DEGREE

21. Type Electric and Other Logs Run

TDT, CBL, GAMMA RAY

21. Was Well Cored

N

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	295'	12-1/4"	139 S	
7"	20#	2335'	8-3/4"	376 S	
4-1/2"	11.6#	5415'	6-1/4"	261 S	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	5258'	

26. Perforation record (interval, size, and number)

4733' - 5298' BLANCO MESA VERDE
PLEASE SEE ATTACHED DAILY SUMMARY FOR DAILY
DETAILS AS PROVIDED BY CONOCO.

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
06/22/2001		FLOWING				PRODUCING	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
06/20/2001	24	1/2"		0	1056	5	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
160	370		0	1056	5		

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

SOLD

Test Witnessed By

NICK JAMES - KEY ENERGY

30. List Attachments

DAILY SUMMARY FROM CONOCO

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

Signature

Debra Sittner

Printed

Name DEBRA SITTNER

Title As Agent for Conoco Inc. Date 08/14/2001

Conoco Inc.
State Com F 1B Formation Tops
Unit Ltr. J - Sec. 36-T32N-R12W, San Juan Co., NM

Ojo Alamo	1660
Kirtland (est)	1843
Fruitland Fma	2207
Pictured Cliffs	2840
Bs Pictured Cliffs	3062
Huerfanito Bentonite	3566
Chacra	3996
Upper Cliffhouse	4371
Mssv. Cliffhouse	4510
Menefee	4704
Point Lookout	5148

STATE COM F #1B

30-045-30462

1980' FSL – 2210' FEL, SECTION 36, T32N-R12W
SAN JUAN COUNTY, NM

DATE	OPERATIONS
5/2/2001	Rig up Expert slick line to check well bore depth. RIH with 3.75" gauge ring. Tagged @ 5296'. RIH with 1.90" gauge ring and tagged @ 5296'. Run TDT & CBL log. Set up to run log 5/8/01.
5/8/2001	Rig up Schlumberger to log. Ran TDT log from 5306' to 1570' and Gamma Ray from 1570' to surface. Ran CBL log from 5309' to 3150'. Ran log with 1100-psi pressure. TOC @ 3390'. RD Schlumberger wireline. Pressure tested 4 1/2" casing to 4300 psi - OK. Move equipment. Prep well for rig less frac.
5/25/2001	Road rig to location. Spot rig. Rig up pump and pit. Rig up completion rig. Rig up slick line to run Deviation survey. Made stop @ 5270' showed deviation of 1 Degree. SD
5/29/2001	Nipple Up 5000 psi BOP. Tested pipe and blind rams to 250 psi on the low side and 5000 psi on the high side. RIH with 2 3/8" tubing with bit. Tagged cement @ 5315'. Rigged up power swivel and drilled cement to 5325'. Circulated hole clean. SD
5/30/2001	Tagged cement @ 5325' picked up power swivel and drilled cement to float collar @ 5375'. This is now the new PBTD. Circulate well clean. POOH with 2 3/8" tubing and bit. NU Frac valve. Pressure tested casing to 3000 psi. - OK. SD
5/31/2001	RU Blue Jet. Perforate the Point Lookout (MV) @ 5152' - 5158' with 1/2 SPF 4 holes. Perforate @ 5172' - 5184' with 1/2 SPF 7 holes. Perforate 5210' - 5216' with 1/2 SPF 4 holes. Perforate 5226' - 5230' with 1/2 SPF 3 holes. Perforate 5250' - 5254' with 1/2 SPF 3 holes. Perforate 5266' - 5270' with 1/2 SPF 3 holes. Perforate 5278' - 5280' with 1/2 SPF 2 holes. Perforate 5294' - 5298' with 1/2 SPF 3 holes. Total holes for the Point Lookout (MV) 29. Rigged up Halliburton to do a water breakdown. Pumped water with 35 Bio Balls. Pumped @ 13 BPM @ 40 psi. Did not have any ball action. ISIP - Vacuum. RD Halliburton. SD
6/1/2001	RU Blue Jet. Had to change out 6" Frac Valve. RU Frac Y. RU Halliburton to frac. Frac the Point Lookout (MV) with 110,000# of 20/40 Brady sand, with 70 Q N2 foam. Avg rate 45 BPM @ 1800 psi pressure. Max sand conc 4#/ Gal. ISIP - Vacuum. Set Halliburton Composite Plug @ 5100'. Tested plug to 3000 psi. Rigged up to perforate the Menefee (MV). Perforated @ 4733' - 4735' with 1 SPF Total holes 3. Perforated 4775' - 4777' with 1 SPF Total holes 3. Perforated @ 4822' - 4824' with 1 SPF Total holes 3. Perforated @ 4860' - 4863' with 1 SPF Total holes 4. Perforated @ 4956' - 4962' with 1/2 SPF Total holes 4. Perforated 4978' - 4984' with 1/2 SPF Total holes 4. Perforated @ 5009' - 5017' with 1/2 SPF Total Holes 5. Perforated @ 5034' - 5040' with 1/2 SPF Total holes 4. Perforated @ 5065' - 5071' with 1/2 SPF Total holes 4. Total Holes for the Menefee (MV) 34. Pumped KCI Water with 41 balls @ 31 BPM @ 1600 psi. Had good ball action. ISIP - 1345 psi. Rigged up to run junk basket. Retrieved 35 balls with 31 hits. Rigged up Halliburton to frac the Menefee (MV). Frac with 81,166# of 20/40 Brady sand with 70 Q N2 Foam. Avg rate 40 BPM @ 3000 psi avg pressure. Max sand conc 4#/gal. ISIP - 1788 psi. 15 min. 1578 psi. RD Halliburton. SD
6/4/2001	ND Frac Y and Frac Valve. Checked well pressure. Csg - 1390 psi. Killed well. RU Blue Jet. Set Halliburton 4 1/2" composite plug @ 3490'. Tested plug to 3000 psi. - OK. Perforated 3 squeeze holes @ 3345'. Rigged down Blue Jet. Pumped on 4 1/2" casing, well would not circulate out the 7" casing. RIH with 2 3/8" tubing with 4 1/2" cement retainer. Set retainer @ 3282' and pumped thru the retainer, well would not circulate out the 7" casing. Rigged up Halliburton to squeeze. Pumped 435 sx of 50/50 POZ Mix with 2% Gel and 2% CaCl. Pumped 100 bbls of slurry, @ 1.3 BPM @ 1000 psi. Displaced to retainer. Stung out of retainer with 1450 psi. Reversed out and pulled out of the hole with 2 3/8" tubing with setting tool. SD
6/5/2001	RU Blue Jet. Run CBL log from 3276' to 2086'. Log showed TOC @ approx 2925'. Took a copy of the log and met with Charlie Perrin and Steve Mason of the NMOCD. The PC formation is not covered with cement, will have to re-squeeze. Top of the PC @ 2856'. Perforated 3 squeeze holes @ 2890'. Pumped down 4 1/2" casing, would not circulate out the 7" casing. RIH with 2 3/8" tubing with Halliburton 4 1/2" cement retainer. SD
6/6/2001	Prep well to squeeze. Set Halliburton cement retainer @ 2858'. RU BJ to squeeze cement. Pumped 75 sx of 35/65 with 6% gel premium lite and 200 sx of Type 3 neat. Total slurry 81 bbls. Pumped @ 1.5 BPM @ 1300 psi. Displaced to cement retainer. Stung out of retainer with 1970 psi on the tubing. Reversed out with 13 bbls. Rigged down BJ. POOH with 2 3/8" tubing with Halliburton setting tool. SD

STATE COM F #1B

30-045-30462

1980' FSL – 2210' FEL, SECTION 36, T32N-R12W
SAN JUAN COUNTY, NM

- 6/7/2001 RU Blue Jet to log. Ran CBL Log from 2857' to 1600'. Ran log with 1000 psi on the casing. Log showed TOC @ approx 2770'. Took log to NMOCD and met with Charlie Perrin and Steve Hayden. The PC Zone is covered and they gave approval to proceed with completion process. RD Blue Jet. RIH with 2 3/8" tubing with bit. Tagged cement retainer @ 2858'. RU power swivel and started drilling on cement retainer. Circulated well clean. SD
- 6/8/2001 Finished drilling out plug & cement. Pressure test csg and squeeze to 500 psi but lost 50 psi per minute. RD Swivel. POH. W.O. cement and retainer to arrive (2hrs). TIH with 7" EZSV to approx. 2830'. Attempt to attain injection rate with Haliburton reached 2000 psi max but unable to inject (2200 psi would eject tbg). POH L.D. EZSV. TIH open ended to 2900'. Spotted 6 bbls CI "H" with .2% CFR-3 across and above perms @ 2890'. POH closed blind rams pumped 1.5 bbls for 3000 psi on csg. LOTO wellhead. SDFWE
- 6/11/2001 Wellhead press 2550 psi. Bled off well. P.U. 3-7/8" bit sub and TIH. Tagged cmt @2525'. RU swivel. Drill out cement to 2830'- cement very soft. R.D. swivel. POH 120'. Pressure up well to 2500 psi with clean 1% KCl water. Shut-in well, LOTO.
- 6/12/2001 Wellhead pressure 2500 psi. Bled off press. POH change out bit. TIH to 2830'. RU swivel. Drill out cement across perms @ 2890'. Pressure test squeeze to 500 psi lost 45 psi in 1 hr. OK'ed with M. Durkee. SWON.
- 6/13/2001 TIH with bit & 52 stands tubing. Tagged EZSV @2858'. Drill out EZSV and 15' cement. Circulate hole clean. POH 30 stands. SION.
- 6/14/2001 TIH 30 stands. Drill out cement to 3405'. Circulate hole clean. TOH 30 stands. SION
- 6/15/2001 RIH and tagged composite plug @ 3490'. Circulated hole with clean 2% KCL Water. Tested casing to 500 psi. lost 45 psi in 1 hour. - OK. RU power swivel and drilled up composite plug @ 3490'. NU Blowie line. SICP 1120 psi. Flowed well back up the 2 3/8" tubing thru a 1/2" choke nipple. Flowed well thru the night. Pressure stabilized @ 95 psi. = 627 MCFPD with 10 BBLS of water and 1 BBL of oil. 2 3/8" tubing @ 3510'. Shut well in @ 6:00 AM 6/16/01. NOTE: This is a test for the Menefee formation only.
- 6/18/2001 Checked well pressures; casing - 1020 psi. Flowed well thru 1/2" choke nipple. Pressure dropped to 200 psi by 10:00 AM. RIH and tagged sand fill @ bottom perf @ 5071'. Started Air Package and cleaned sand fill to plug @ 5100'. Drilled up plug @ 5100'. RIH and tagged sand fill @ 5280'. Circulated well and cleaned out to PBTD @ 5375'. Well still making heavy sand. POOH with tubing up above the perms. SD
- 6/19/2001 Checked well pressures; casing - 420 psi. Blow down casing. Unlocked rams. Had to have Weatherford help get the rams open. Changed out the BOP. RIH and tagged sand fill @ 5283'. RU to clean out. Started air package and cleaned out to 5314'. Circulated well to clean sand. SD
- 6/20/2001 Check well pressures; casing - 430 psi, tubing - 430 psi. Blow well down. RIH and tagged sand fill @ 5283'. Started air package and cleaned sand fill to PBTD @ 5325'. Circulated well to clean up. **Pulled up the hole with 2 3/8" tubing, and tested well as follows. 2 3/8" tubing @ 4728'. Flowing thru 1/2" choke nipple. Tubing - 160 psi. Csg - 370 psi, MCFPD = 1056. Water - 5 BBLS. Oil - 1/2 BBL, Test witnessed by Nick James with Key Energy. This is the test for the Mesa Verde zone. SD**
- 6/21/2001 POOH with 2 3/8" tubing with bit. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Drifted all tubing. **Land 2 3/8" tubing @ 5258'** with KB added in. Total tubing 167 joints. NDBOP & NUWH. Started air package and unload well. SD
- 6/22/2001 Checked well. tubing - 0 psi, casing - 370 psi. Started air package and unload well. Blow well to clean up and unload fluid. Flowed well to the flare pit to remove any air in the system. RDMO