

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-045-30564

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
Moore LS

8. Well No.
6B

9. Pool name or Wildcat
Blanco Mesaverde

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
Conoco Inc.

3. Address of Operator
P. O. Box 2197, DU 3084 Houston TX 77252-2197

4. Well Location
Unit Letter O : 660 Feet From The South Line and 2340 Feet From The East Line
Section 25 Township 32N Range 12W NMPM San Juan County

10. Date Spudded 04/24/2001 11. Date T.D. Reached 04/29/2001 12. Date Compl. (Ready to Prod.) 07/12/2001 13. Elevations (DF & RKB, RT, GR, etc.) 6386 GR 14. Elev. Casinghead

15. Total Depth 5656 16. Plug Back T.D. 5613 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools ☒ Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 4878-5406 Blanco Mesaverde 20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run Thermal Decay Time and Cement Bond Log 22. Was Well Cored No

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#	305	12-1/4"	139 sacks	
7"	20#	1892	8-3/4"	308 sacks	
4-1/2"	10.5#	5656	6-1/4"	205 sacks	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	4872

26. Perforation record (interval, size, and number)
Please refer to attached daily summary for detailed information.

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production 08/09/2001 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing
Date of Test 07/12/2001 Hours Tested 24 hrs Choke Size 1/2" Prod'n For Test Period 1 Oil - Bbl. 1188 MCFPD 4 Gas - MCF 4 Water - Bbl. Gas - Oil Ratio
Flow Tubing Press. 180# Casing Pressure 340# Calculated 24-Hour Rate 1 Oil - Bbl. 1188 Gas - MCF 4 Water - Bbl. Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Nick James w/Key Energy

30. List Attachments
Daily summary Report

31. 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 Yolanda Perez Printed Name Yolanda Perez Title Sr. Regulatory Analyst Date 10/23/2001

Conoco Inc.
Moore LS 6B Formation Tops
Unit Ltr. O - Sec. 25-T32N-R12W, San Juan Co., NM
API 30-045-30564

<u>Ojo Alamo</u>	<u>1430</u>
<u>Kirtland</u>	<u>1872</u>
<u>Fruitland Fma</u>	<u>2311</u>
<u>Pictured Cliffs</u>	<u>2865</u>
<u>Base Pictured Cliffs</u>	<u>3137</u>
<u>Huerfanito Bentonite</u>	<u>3614</u>
<u>Chacra</u>	<u>4062</u>
<u>Upper Cliffhouse</u>	<u>4429</u>
<u>Massive Cliffhouse</u>	<u>4675</u>
<u>Menefee</u>	<u>4759</u>
<u>Point Lookout</u>	<u>5208</u>

Daily Summary

API 300453056400	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-32N-12W-25-O	NS Dist. (ft) 660.0	NS Flag S	EW Dist. (ft) 2340.0	EW Flag E
KB Elev (ft) 6399.00	Ground Elev (ft) 6386.00	PBTD (ftKB) 5,615.0	Spud Date 4/24/2001	Rig Release Date 4/29/2001	Latitude (DMS) 36° 57' 3.7584" N	Longitude (DMS) 107° 57' 16.3116" W	

Start	Ops This Rpt
5/4/2001	Rig up Expert slickline. RIH and tagged @ 5581'. Float Collar @ 5613'. Rig down Expert slickline. Move off location.
5/9/2001	Rig up Schlumberger. Run TDT Log from 5590' to 1300' and Gamma Ray from 1300' to surface. Run CBL log from 5590' to 3300'. Ran CBL log with 1100 psi on the casing. TOC @ 3540'. Rig down Schlumberger and test casing to 4300 psi. - OK. Prep well for rigless frac.
5/29/2001	Ran slickline to check for Deviation. Ran survey @ 5560'. Showed less than 1 Degree. Rigged down Expert slickline.
6/8/2001	Rig up Schlumberger mast truck. Rig up Schlumberger wireline. Perforate the Point Lookout (MV) @ 5216' - 5226' with 1/2 SPF Total holes 6. Perforate @ 5246' - 5258' with 1/2 SPF Total holes 7. Perforate @ 5272' - 5284' with 1/2 SPF Total holes 7. Perforate @ 5308' - 5320' with 1/2 SPF Total holes 7. Perforate 5335' - 5337' with 1/2 SPF Total holes 2. Perforate @ 5367' - 5369' with 1/2 SPF Total holes 2. Perforate @ 5400' - 5406' with 1/2 SPF. Total holes 4. TOTAL HOLES for the Point Lookout (MV) 35 holes. Prep well to frac rigless. SHUT DOWN
6/9/2001	HELD SAFETY MEETING. RU HALLIBURTON. FRAC'D THE POINT LOOKOUT. BROKE DOWN WELL @ 1295 # @ 5 BPM. EST RATE @ 25 BPM. DROPPED 22 BALL SEALER @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR REMAINING BALLS. DROPPED A TOTAL OF 42 BALL SEALERS. BALLED OFF @ 3400 #. GOOD BALL ACTION. RU SCHLUMBERGER. RIH W/ JUNK BASKET. RETRIEVED 42 BALL SEALERS. PUMPED PRE-PAD @ 30 BPM @ 1750 #. ISIP 0 #. FRAC'D THE POINT LOOKOUT W/ 70 Q 25 # LINEAR FOAM, 149,880 # 20/40 BRADY SAND, 720 BBLs FLUID. AVG RATE 37 BPM. AVG PRESSURE 1753 #. MAX PRESSURE 1845 #. MAX SAND CONS 4 # PER GAL. ISIP 50 #. FRAC GRADIENT .40. RU SCHLUMBERGER. RIH W/ 4 1/2" COMPOSIT PLUG. SET @ 5170'. PERFORATED THE MENEFEW W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 4878' - 4880' W/ 1 SPF, 4891' - 4894' W/ 1 SPF, 4916' - 4928' W/ 1/2 SPF, 5033' - 5038' W/ 1 SPF, 5065' - 5070' W/ 1 SPF, 5142' - 5144' W/ 1 SPF. A TOTAL OF 29 HOLES. RD SCHLUMBERGER. FRAC'D THE MENEFEW. BROKE DOWN WELL @ 780 # @ 3 BPM. EST RATE @ 15 BPM. DROPPED 17 BALL SEALERS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR REMAINING BALL SEALERS. DROPPED A TOTAL OF 35 BALL SEALERS. BALLED OFF @ 3400 #. GOOD BALL ACTION. RU SCHLUMBERGER. RU W/ JUNK BASKET. RETRIEVED 35 BALL SEALERS. RD SCHLUMBERGER. FRAC'D THE MENEFEW W/ 70 Q 25 # LINEAR FOAM, 89,700 # 20/40 BRADY SAND, 419 BBLs FLUID. AVG RATE 41 BPM. AVG PRESSURE 2933 #. MAX PRESSURE 3095 #. MAX SAND CONS 4 # PER GAL. ISIP 1825 #. FRAC GRADIENT .54. RD HALLIBURTON. SWI.
6/23/2001	Road rig to location. Spot rig and all equipment on location. Rig up. Ran line to pit. Checked well pressure. Csg - 1550 psi. No tubing in the hole. Blow well down. Killed well. ND Frac valves. NUBOP. Tested and charted BOP. SHUT DOWN
6/25/2001	Checked well pressures. Csg - 1220 psi. Blow well down. Rigged up Blue Jet wireline. Set Hallib Composite plug @ 3490'. Tested plug to 3000 psi. - OK. Checked 7" Intermediate casing, had 580 psi. Blow down 7" Intermediate casing. Perforated 3 squeeze holes @ 3345'. Rigged down Blue Jet wireline. Pumped 140 bbls down the 4 1/2" casing, and 80 bbls down the 7" Intermediate @ 3 BPM @ 900 psi. No Circulation. RIH with 2 3/8" tubing with Hallib Cement retainer. Set Hallib cement retainer @ 3300'. NOTE: Talked to and recieved verbal approval to squeeze cement from Charlie Perrin NMOCD on 6/25/01 @ 11:45 AM. SHUT DOWN
6/26/2001	Checked well pressures. 7" Intermediate casing was dead. Rigged up BJ to squeeze cement. Pumped 200 sks of BJ Premium lite with Cello Flakes and Bentonite, and 50 sks of BJ Premium Lite High Strength with Pheno Seal. Pumped cement @ 1 BPM @ 1075 psi. Displaced down to retainer. Pressure increased to 2300 psi at end of job. Had slight circulation during most of job. Circulated approx 3 bbls of fluid to pit during job. NO CEMENT TO SURFACE. Stung out of retainer and reversed out. POOH with 2 3/8" tubing and setting tool. SHUT DOWN
6/27/2001	Check well. 0 - psi on the 4 1/2" csg and the 7" Intermediate casing. Rigged up Blue Jet. Run CBL Log from 3298' to 1300'. Ran log with 1000 psi on the casing. TOC @ 2870'. Took CBL Log to NMOCD and met with Charlie Perrin. Approved us to perforate squeeze holes @ 2450' and squeeze. Perforated 3 squeeze holes @ 2450'. Pumped down casing to get rate. Pumped @ 1/4 BPM @ 2600 psi. Note: All work approved by Charlie Perrin with NMOCD. SHUT DOWN
6/28/2001	Arrive loc. Safety mtg. TIH w/ 38 stds tbg and set EZSV @ 2415'. W.O. Haliburton cement equip. Squeeze with 50 sx of Hallib Class III with .5% Hallad 322 Fluid loss. Pumped a total of 10 BBLs of slurry. 5 BBLs behind pipe. Pumped at a avg pressure of 1/2 BPM @ 1800 psi. ISIP - 2800 psi. Stung out of retainer. Reversed out. SHUT DOWN
7/2/2001	Arrive loc. Safety mtg. RU BlueJet. Run CBL/GR. TOC 2190'. Talked to Charlie Perrin with NMOCD. Approved 1000 hrs. by Charlie Perrin. Tallied tbg. PU bit, X/O, 6- DC's. TIH with 35 stds. Tagged EZSV @ 2415'. Drill out EZSV and 18' soft cmt. Shut down rig due to heavy lighting storm. SION.
7/3/2001	Arrive loc. Safety mtg. Drill out cmt. Pressure test csg and squeeze to 500 psi for 30 mins., OK. TIH tagged lower EZSV. Drill out ezsv and cmt. Pressure test csg and squeeze to 500 psi for 30 mins., OK. TOH. L/D DC's. TIH with bit & 20 stds tbg. SION.
7/5/2001	Arrive loc. Safety mtg. TIH tag composite plug. Drill out plug till 0830 hrs. 3" hydraic hose for swivel ruptured. Change out hose. R/U gas compressors and Blooie line. Finished drilling out composite plug. SION.

Daily Summary

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KB Elev (ft) 6399.00	Ground Elev (ft) 6386.00	PBTD (ftKB) 5,615.0	Spud Date 4/24/2001	Rig Release Date 4/29/2001	Latitude (DMS) 36° 57' 3.7584" N	Longitude (DMS) 107° 57' 16.3116" W	

Start	Ops This Rpt
7/6/2001	Check well pressure. Csg - 970 psi. Opened well up on 1/2" choke nipple. Well pressure dropped to 210 psi. Prepared drill gas compressors. Tested lines to 2000 psi. RIH and tagged sand fill @ 5105'. Started 2 drill gas compressors and cleaned sand fill to 5170'. Pumped soap sweeps to allow well to clean up. Well still making sand. POOH with 2 3/8" tubing to 4870'. SHUT DOWN
7/7/2001	Check well pressures. Csg - 1010 psi. Blowed well down thru 1/2" choke nipple. RIH and tagged sand fill @ 5168' for 2' of fill. Pulled 2 3/8" tubing up to 4875'. Started 2 drill gas compressors and unloaded well. Tested Menefee zone (MV) @ 297 MCFPD. Tbg 45 psi. Csg - 210 psi. 3 - BBLS of water and 1/2 BBL of oil. Note: This is a test for the Menefee zone ONLY. Do not use this test for the MV Test. RIH and tagged sand @ 5168' and started 2 drill gas compressors and cleaned sand to Hallib Fas Drill Plug @ 5170'. Drilled up Hallib Fas Drill Plug @ 5170'. Well flowing sand and fluid. Pumped soap sweeps. Pulled tubing up above top perf. SHUT DOWN
7/9/2001	Check well pressures. Csg - 950 psi. Blow down well. RIH and tagged sand fill @ 4895'. Rigged up power swivel and started 2 drill gas compressors and cleaned sand fill to PBTD @ 5615'. Flowed and pumped soap sweeps to allow well to clean up. Well still making medium to heavy sand. Pull 2 3/8" tubing above top perf. SHUT DOWN
7/10/2001	Check well pressures. CSG - 410 psi. Blow well down. RIH and tagged sand fill @ 5520'. Started 2 drill gas compressors and cleaned sand fill to 5610'. Pumped soap sweeps to allow well to clean up. Pulled up above the perfs and let well flow for 1 1/2 hrs. RIH and tagged sand fill @ 5550'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5610'. Pumped soap sweeps to clean well. POOH above the perfs. Let well flow for 2 hrs. SHUT DOWN
7/11/2001	Check well pressures. Csg - 380 psi. Tbg - 380 psi. Blow well down. RIH and tagged sand fill @ 5560'. POOH with 2 3/8" tubing with mill and XO subs. RIH with 2 3/8" tubing with Mule Shoe Collar, SN and 2 3/8" tubing. Tagged sand fill @ 5560'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5615'. Pumped soap sweeps and let well flow to clean up. Pulled 2 3/8" tubing up above the perfs. SHUT DOWN
7/12/2001	Check well pressures. Tbg - 360 psi. Csg - 380 psi. Flowed well to get test. 2 3/8" tubing @ 4872'. Flowed well thru 1/2" choke nipple. Tbg - 180 psi. CSG - 340 psi. MCFPD = 1188. Oil - 1 BBL. Water - 4 BBLS. Test witnessed by Nick James with Key Energy. NOTE: This is the test for the Mesa Verde formation. RIH and tagged sand fill, started 2 drill gas compressors and cleaned out 5' of fill to PBTD @ 5615'. Pulled up and landed 2 3/8" tubing @ 5357' with KB added in. Total tubing 170 jts. Ran 1.90" drift to SN. NDBOP & NUWH. Rigged down compressors and blowie line. Rigged down completion rig and all equipment. Moved off location. FINAL REPORT