

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Box DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

COPY

WELL API NO.

30-045-29780

5. INDICATE TYPE OF LEASE

STATE ☒ FEE ☐

6. STATE OIL & GAS LEASE NO.

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
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR ☐ OTHER

2. NAME OF OPERATOR

CONOCO, INC.

3. ADDRESS OF OPERATOR

P.O. Box 2197, DU 3066, Houston, TX 77252-2197 (281) 293-1613

4. WELL LOCATION

Unit Letter B :910' Feet From The NORTH Line and 1590' Feet From The EAST Line

Section 32 Township 29N Range 8W NMPM San Juan County

10. DATE SPUDDED

3-23-00

11. DATE T.D. REACHED

12. DATE COMPL. (Ready to prod.)

4-26-00

13. ELEV. (FE, RKB, RT, GE, etc.)

6093' GL

14. ELEV. CASINGHEAD

15. TOTAL DEPTH

7173'

16. PLUG, BACK T.D.

7086'

17. IF MULTIPLE COMPL. HOW MANY ZONES?

18. INTERVALS DRILLED BY
ROTARY CABLE

TOOLS ☒ TOOLS ☐

19. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME

Blanco Mesa Verde 4246' - 4998'

20. WAS DIRECTIONAL
SURVEY MADE

21. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Burst Thermal Decay Time and Cement Bond Logs

22. WAS WELL CORED

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#	329'	12 1/4"	285 sxs	
7"	20#	2903'	8 3/4"	406 sxs	
4 1/2"	10.5#	7170'	6 1/4"	430 sxs	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	6963'	

26. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
See attached summary.	

28. PRODUCTION

DATE FIRST PRODUCTION 4-26-00		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing DHC#2558	
DATE OF TEST 4-25-00	HOURS TESTED 24 HRS	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 1 bbl	GAS - MCF 2244 MCFPD	WATER - BBL 12 bbls	GAS - OIL RATIO
FLOW TUBING PRESS 380#	CASING PRESSURE 480#	CALCULATED 24 - HR RATE	OIL - BBL 1 bbl	GAS - MCF 2244 MCFPD	WATER - BBL 12 bbls	OIL GRAVITY - API (Corr)	

29. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

V

TEST WITNESSED BY

Wes Herrera w/Key Energy

30. LIST ATTACHMENTS

Summary

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:

Verla Johnson

TITLE: As Agent for Conoco Inc. DATE 5-9-00

TYPE OR PRINT NAME: VERLA JOHNSON

TELEPHONE NO.: (970) 385-9100

js

CONOCO
State #4 Formation Tops
Unit Ltr. B - Sec. 32-T29N-R8W, San Juan Co., NM.

Ojo Alamo	1597	4497
Kirtland	1741	4353
Fruitland Fm.	2175	3919
Pictured Cliffs	2626	3468
Lewis	2910	3184
Chacra	3560	2534
Cliffhouse	4216	1878
Mencfee	4350	1744
Point Lookout	4812	1282
Mancos	5232	862
Gallup	6337	243
Greenhorn	6785	-691
Graneros	6848	-754
Two Wells	6891	-797
Paguate	6988	-894
Cubero	7022	-928
TD	7084	

CONOCO INC.
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910' FNL & 1590' FEL, UNIT LETTER "B"
Sec. 32, T29N-R8W

4/5/00 MIRU ND wellhead NU BOP. RIH w/ 3 7/8" bit on 2 3/8" tbg to 7076'.

4/6/00 Pick up swivel and drill cement from 7076' to 7084'. Circulate hole w/ KCL and pressure test casing to 1000 psi. POOH w/ bit.

4/7/00 RU Schlumberger and Run TDT and CBL, TOC 2630'. Pressure test casing to 3000 psi.

4/10/00 RU BJ, pick up 3 1/8" perforating gun and could not get guns to go through the top of the 4 1/2" casing. Rig down bop stack and tubing. Found that the top of the casing was beveled in to 3.1 id. It looked like the casing had moved up approximately 2.5", had hit the bottom of the tbg head and caused the damage to the casing. Called out wood group and cut the casing stub in the proper place, installed new o-rings and ring gasket then tested head and gall seals on the head. RU BOP stack and test casing to 3000 psi. Rig up blue jet and perforate the Dakota 2 spf at the following: 6902, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 6990, 92, 94, 96, 98, 7000, 02, 04, 06, 08, 10, 7030, 32, 34, 36, 38, 42, 44, 46, 53, 66

4/11/00 RU BJ and test lines to 5000 psi. Loaded hole and broke w/ KCL water at 2120 psi. Shut down, ISIP 1200 psi acidize w/ 1500 gallons 15% HCL blocked w/ 128 ball sealers, good ball action. RIH w/ junk basket and retrieved 117 ball sealers and recorded 60 hits. Set pop-off at 3800 psi. Start step rate test 15 bpm at 1320 psi, 29 bpm at 2700 psi, 36 bpm at 3500 psi isip 1250 psi frac Dakota w/ 5338 bbls slick water carrying 54000# 20/40 Brady sand flushed w/ 104 bbl slick water, 62 bpm at 3450psi. Isip 1625 psi, 5 min 1461psi, 10 min. 1383 psi, 15 min. 1320 psi

4/12/00 Flow test Dakota up casing on 1/2" choke, stabilized casing pressure 510 psi, 2 bbl. Oil, 10 bbl. Water, rate 3366 MCFPD. Test witnessed by Wes Herrera w/ Key Energy.

4/13/00 RU BJ and set 4 1/2" composite plug at 5090', load hole and test plug to 3000 psi (ok). Perforate the point lookout 2 spf at the following shots: 4819, 21, 23, 25, 27, 29, 31, 33, 39, 42, 44, 58, 62, 72, 76, 82, 84, 95, 97, 4906, 08, 14, 16, 18, 95, 98 rig up BJ and break down point lookout w/ KCL water blocked w/ 104 1.3 ball sealers, balled off at 3750 psi and flushed w/ KCL water. Isip vac. RIH w/ junk basket and retrieve 49 ball sealers and recorded 44 hits. Pressure up intermediate to 500 psi and monitor during frac. Test lines to 5000 psi and set pop-off at 3800 psi, start on pad and get step rate test, 20 bpm at 76 psi, 30 bpm at 70 psi, isip 0. Start out w/ cold water avg. Temp 58 degrees pumped 360 bbl cold water w/ .5 gpt fr30, 560 psi, switched over to warm water and .5 gpt fr30 pumped 900 total bbls. 689 psi frac point lookout w/ 4110 bbl slick water carrying 65000 lbs 20/40 brady flushed w/ 72 bbl slick water, isip o. Avg rate 60 bpm, avg. Pressure 642 psi RIH w/ 4 1/2" composite plug set at 4790', load hole and test plug and casing to 3000 psi (ok), RIH w/ 3 1/8" select fire guns and shoot the lower Menefee 2 spf at the following shots: 4487, 89, 91, 4515, 18, 20, 22, 24, 26, 28, 68, 74, 80, 82, 86, 88, 92, 94, 4600, 05, 58, 60, 62, 64, 76, 4702, 04, 10, 12, 14

4/14/00 RU blowie lines and gas compressors

4/17/00 Test lines to 5000 psi (ok). Break down lower Menefee w/ kcl water blocked w/ 94. 1.3 ball sealers broke down at 1200 psi. Start pumping 15 bpm at 800 psi isip 200 psi. Break down. Avg rate 15 bpm, avg pressure 600 psi, balled off at 3800 psi. RU BJ recovered 94 ball sealers and recorded 58 hits. Test lines to 5000 psi and set pop-off at 3800 psi. (average water temperature 50 degrees. Start step rate test 17 bpm at 600 psi, 25 bpm at 1050 psi, 35 bpm at 2400 psi, 45 bpm at 2408 psi, isip 200 psi, frac gradient .48. Frac lower Menefee w/ 2525 bbl slick water carrying 43000 lbs. 20/40 Brady flushed w/ slick water. Isip 400 psi. 5 min. 330 psi. 10 min 317 psi. 15 min. 293 psi. RIH and set 4 1/2" composite plug at 4437' and test to 3000 psi (ok). RIH w/ 3 1/8" select fire guns and shoot the upper Menefee and Cliffhouse 2 spf the following shots: 4246, 48, 50, 52, 54, 56, 58, 60, 62, 64, 4303, 05, 08, 10, 30, 32, 34, 42, 44, 76, 78, 80, 82, 84, 86, 88, 90, 92. Break down upper Menefee and Cliffhouse w/ kcl water blocked w/ 112. 1.3 ball sealers broke down at 1720 psi. Start pumping 14 bpm at balled off at 3800 psi. RIH and retrieve 58 ball sealers and recorded 47 hits. Test lines to 5000 psi and set pop-off at 3800 psi. Average water temperature 50 degrees. Start step rate test, 19 bpm at 799 psi, 27 bpm at 1040 psi, 40 bpm at 1818 psi, isip o psi, frac gradient .43. Frac upper Menefee and Cliffhouse w/ 3310 bbl slick water carrying 60,000 lbs 20/40 Brady sand. Flushed w/ slick water, isip 200 psi, 5 min. 152 psi, 10 min. 129 psi, and 15 min. 109 psi.

4/18/00 Casing pressure 40 psi. ND frac valve, flow test well. 210 psi on 1/2" choke. Land tbg. Hanger in wellhead and change out BOP, pull tbg hanger, NL blowie line.

4/19/00 Casing pressure 820 psi. Bleed well down, RIH w/ 3 7/8" mill to 4000' and unload well, RIH and tag fill at 4214', clean out to composite plug at 4437', pick up swivel and drill out plug, well loaded up w/ fluid, blow well around w/ gas and pull up above perfs.

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4/20/00 Casing pressure 880 psi. Bleed well down. RIH and finish drilling plug at 4437', chase down hole to 4718' tag fill and clean out to plug at 4790'. Then chase plug down hole and try to clean fill to plug at 5096'. Well making sand, pull up above perms to 4200'.

4/24/00 Casing pressure 570 psi. Bleed well down. RIH and tag fill at 4935'. Blow well around w/ gas and clean out sand to plug at 5090', blow well around and clean up sand. Pull up to 4430', land tbg on slips flow test well up 2 3/8" tbg on 1/2" choke, turn well over to dry watch.

4/25/00 MV test - 4 1/2" casing, 2 3/8" tbg set at 4430' on 1/2" choke. Tbg pressure 380 psi, casing pressure 480 psi, rate 2244 MCFPD, 1 bbl oil, 12 bbl water. Test witnessed by Wes Herrera w/ Key Energy. DHC #2558. RIH and tag fill at 5029' and clean out to plug at 5090'; drill plug up and tag fill at 7066' and clean out to PBTD at 7086'. Circulate hole clean and pull up above perms to 4000'.

4/26/00 POOH w/ mill RIH w/ mule shoe, seating nipple, on 221 joints 2 3/8" tbg set at 6963'. ND BOP, NU wellhead RDMO (FINAL REPORT)