

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. Box DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

COPY
Form C-105
Revised 1-1-89

WELL API NO.

30-039-20523

5. INDICATE TYPE OF LEASE
STATE ☒ FEE ☐

6. STATE OIL & GAS LEASE NO.
E-2825-6

7. LEASE NAME OR UNIT AGREEMENT NAME
SAN JUAN 28-7 UNIT

8. WELL NO.

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
WELL ☐ OVER ☐ DEEPEN ☐ BACK ☐ RESVR ☒ OTHER

2. NAME OF OPERATOR
CONOCO, INC.

3. ADDRESS OF OPERATOR
10 DESTA DRIVE, SUITE 100W, MIDLAND, TX 79705 (915) 686-5424

4. WELL LOCATION
Unit Letter K :1840 Feet From The SOUTH Line and 1500 Feet From The WEST Line
Section 16 Township 27 Range 07 NMPM RIO ARRIBA County

10. DATE SPUDDED 7/29/72 11. DATE T.D. REACHED 8/17/72 12. DATE COMPL. (Ready to prod.) 8/19/98 13. ELEV. (FE, RKB, RT, GE, etc.) 6604' DF 14. ELEV. CASINGHEAD

15. TOTAL DEPTH 7650' 16. PLUG, BACK T.D. 7636' 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
5168' - 5436' BLANCO MESA VERDE

20. WAS DIRECTIONAL
SURVEY MADE

21. TYPE ELECTRIC AND OTHER LOGS RUN

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#	202'	12-1/4"	224 SXS	
4-1/2"	23#	7560'	6-3/4"	1233 SXS	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	7508'	

26. PERFORATION RECORD (Interval, size and number)

PERFORATION RECORD (Interval, size and number)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
SEE ATTACHED SUMMARY	DEPTH INTERVAL
	AMOUNT AND KIND OF MATERIAL USED

28. PRODUCTION

DATE FIRST PRODUCTION 8/19/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 8/11/98	HOURS TESTED 24 HRS.	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD →	OIL - BBL 2	GAS - MCF 30	WATER - BBL 20	GAS - OIL RATIO
FLOW. TUBING PRESS 5	CASING PRESSURE 320	CALCULATED 24 - HR RATE →	OIL - BBL 2	GAS - MCF 30	WATER - BBL 20	OIL GRAVITY - API (Corr)	

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

TEST WITNESSED BY
VICTOR BARRIOS w/FLINT ENG.

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: Sylvia Johnson

TITLE: As Agent for Conoco Inc. DATE 10/06/98

TYPE OR PRINT NAME: SYLVIA JOHNSON

TELEPHONE NO.: (505) 324-3970

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			SAN JUAN 28-7 UNIT #166	Pictured Cliffs	3050'	
				Chacra	4020'	
				Mesa Verde	4743'	
				Point Lookout	5315'	
				Gallup	6480'	
				Greenhorn	7247'	
				Graneros	7305'	
				Dakota	7474'	

COPY

CONOCO, INC.
SAN JUAN 28-7 UNIT #166
 API: 30-039-20523
 1840' FSL & 1500' FWL, UNIT 'K'
 SEC. 16, T27N - R07W

- 8/3/98 MIRU. NDWH & NUBOP. CSG - 20 psi. TBG - 160 psi. Tried to pull tbg. Tbg would not move. Well records indicated that a pkr might be on btm. of tbg. Setting depth & type not known. Worked & finally released pkr, but could not go down to tag for fill. POOH w/ 231 jts of 2 3/8" tbg w/ pkr. Tally all tbg, pkr was set @ 7320'. RU BJ, set CIBP @ 5500'. Ran GR strip log from 5499'-4950'. Load Csg w/clean 1% KCl H2O, test Csg to 200 psi.-OK. RIH & perf Point Lookout (MV) w/11 grams charge w/ .32" hole size, select fire gun. Perf @ 5168-70-5207-09-48-52-55-83-85-5320-22-29-32-35-45-48-51-65-67-77-79-5400-02-18-20-33-36, total holes 27.
- 8/4/98 RIH w/ 2 3/8" tbg. w/ Hallib. PPI tool w/ 10' spacing. Tested 2-3/8" tbg to 5000 psi-OK. Spotted 168 gallons of 15% HCl acid @ 5436' to cover all perfs. Set PPI tool @ 5436' & broke down all perfs w/ 13 different settings. Pumped 832 gallons of 15% HCl acid equally dist into all perfs. All perfs broke down between 2200 psi & 3000 psi. No communication between perfs. POOH w/ 2 3/8" tbg & Hallib PPI tool. RIH w/ 2 3/8" tbg (Frac String) & Hallib 4 1/2" pkr. Set pkr @ 3520'. Load backside w/KCl H2O & press to 100 psi.-OK. Install frac valve.
- 8/5/98 RU BJ to frac, Point Lookout (MV). Fraced w/ 57,730# of 20/40 AZ sand w/ 1290 bbls of 15# X-Link gel. avg. rate 18 BPM @ 4100 psi avg. press. Max press 4800 psi. Max sand conc. 2#/ gal. Tagged w/ 2 isotopes of RA material. Developed leak on X-Link hose & had to cut job short, & go to flush. Was not able to pump any SDC sand or pump last isotope. Job was designed for 90,000# of sand. ISIP - 350 psi. 5 min. 0 - psi. Rel Hallib Pkr, & POOH w/ 2 3/8" tbg & pkr.
- 8/6/98 Connect drill gas comp, & Blowie Line. RIH w/ 2 3/8" tbg w/Baker 3 7/8" MMM. Had to work thru tight spots from Approx. 200' - 1000'. (NOTE: PPI tool & Pkr went thru fine.) Tagged fill @ 5300'. Started drill gas comp & tried to unload well, would not circ. MM was plugged. POOH w/ 2 3/8" tbg w/mill. Mill was plugged w/ small pieces of cement. Started to RIH w/ tbg & mill.
- 8/7/98 Cont. to RIH w/ 2 3/8" tbg & Baker MM Run to 4712' & started drill gas comp, unloaded well w/ drill gas. Cont. in hole & tagged sand @ 5380'. Cleaned sand to CIBP 5500'. Set on btm. & pumped soap sweeps to allow well to clean up. Well will not flow on it's own. Pull tbg to 5090'.
- 8/10/98 140# csg, 300# tbg, BD tbg to pit, TIH w/tbg tag fill @ 5484' (16' of fill), CO w/gas & foam to BP @ 5500', circ. clean w/soap sweeps, PU tbg to 5090', ran two comps 8 hrs. each.
- 8/11/98 **MV test thru 1/2" choke as follows: 5# tbg, 320# csg, 20 BWPD, 2 BOPD, 30 MCFPD rate, test witnessed by Victor Barrios w/Flint Engineering, TIH w/tbg from 5090' to tag fill @ 5496' (4' of fill), CO to BP @ 5500' & DO same, cont. in hole to tag fill @ 7550', CO to 7600' leaves 40' of rathole below bottom DK perf @ 7560', circ. hole clean, TOO H w/MMM & tbg, ran two comps 8 hrs. each.**
- 8/12/98 TIH w/1/2 muleshoe, 2-3/8" SN & 174 jts 2-3/8" tbg to 5600', RU Protechnics slickline run after frac tracer survey from 5500' - 4950', RD slickline, TOO H w/tbg, TIH w/Hbton 4 1/2" RBP set @ 2117', test csg from 2117' - surface holds 700# OK, bleed off press.
- 8/13/98 Rel PKR, TOO H w/R-4 pkr, TIH w/1/2 muleshoe, tag fill @ 7585' (15' of fill) CO w/gas comps to 7600', circ well clean w/sweeps of gas & foam, PU tbg to 7303', ran two comps 6 hrs ea.
- 8/14/98 TOO H w/7303' of 2 3/8" tbg, TIH w/4 1/2" Halliburton BP & R-4 pkr, set BP @ 2100', isolate casing leak from 220' - 340', 1/2 BPM @ 1000#, PU R-4 PKR set @ 30' to isolate wellhead, RU Dowell cmt squeeze w/100 sxs Class B neat w/2% CACL, displace to 120', left 680# on squeeze.
- 8/17/98 Check well, no press. POOH w/ pkr. RIH w/ 2-3/8" tbg w/ rock bit. Tag TOC @ 120'. PU power swivel & drilled cmt to 240'. POOH w/ rock bit, changed to blade bit. RIH & SD.

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CONOCO, INC.
SAN JUAN 28-7 UNIT #166
API: 30-039-20523
1840' FSL & 1500' FWL, UNIT 'K'
SEC. 16, T27N - R07W

- 8/18/98 Picked up power swivel, broke circ. Drilled cement from 240' - 350'. Circ. clean. Tested CSG to 150 psi - OK. POOH w/ tbg & bit. RIH w/ csg scraper & tbg. POOH w/ tbg & tools. RIH w/ 2-3/8" tbg & retrieving head for Hallib plug. Tagged sand @ 2100'. Pick up to 2040'.
- 8/19/98 circ. down from 2040' to RBP @ 2100', latch & rel RBP, TOOH w/same, TIH w/1/2 muleshoe, 2 3/8" SN, 211 jts 2 3/8" tbg, Hbton R-4 4 1/2" PKR & 26 jts 2 3/8" tbg land end of tbg @ 7508', (PKR @ 819'), pressure up well w/comps kick well off, RDMO.