

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE *
(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

COPY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *											
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					5. LEASE DESIGNATION AND SERIAL NO. SF 078417						
b. TYPE OF COMPLETION: NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> DIFF. <input type="checkbox"/> WELL <input type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					6. IF INDIAN, ALLOTTEE OR TRIBE NAME						
2. NAME OF OPERATOR CONOCO INC.					7. UNIT AGREEMENT NAME San Juan 28-7 Unit						
3. ADDRESS OF OPERATOR P.O. Box 2197, DU 3066, Houston, TX 77252-2197 (281) 293-1613					8. FARM OR LEASE NAME, WELL NO. San Juan 28-7 Unit #231E						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1915' FSL & 1930' FWL, UNIT LETTER "K" At top prod. Interval reported below At total depth					9. API WELL NO. 30-039-22436						
14. PERMIT NO.					DATE ISSUED		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 16, T28N-R7W		
15. DATE SPUDDED 9-6-80		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.) 2-23-00		18. ELEV. (DF, RKB, RT, GR, ETC) * 6207' GL		19. ELEV. CASINGHEAD		13. STATE NM	
20. TOTAL DEPTH, MD & TVD 7414'		21. PLUG, BACK T.D. MD. & TVD 7404'		22. IF MULTIPLE COMPL. HOW MANY *		23. INTERVALS DRILLED BY ROTARY <input type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>					
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 4540' - 5443' Blanco Mesa Verde										25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Correlation Log										27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)											
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT		AMOUNT PULLED	
9 5/8"		36#		244'		12 1/2"		224 sxs			
7"		23#		3305'		8 3/4"		304 sxs			
4 1/2"		10.5#/11.6#		7414'		6 1/4"		630 sxs			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)		30. TUBING RECORD	
										SIZE 2 3/8"	
										DEPTH SET (MD) 7179'	
										PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) See attached summary.						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED					
33. * PRODUCTION											
DATE FIRST PRODUCTION 2-23-00		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) Flowing						WELL STATUS (Producing or shut-in) Producing DHC#2573			
DATE OF TEST 2-17-00		HOURS TESTED 24 hrs		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD		OIL - BBL 0		GAS - MCF 1122 MCFPD	
WATER - BBL 1 bbl		GAS - OIL RATIO		FLOW. TUBING PRESS 170#		CASING PRESSURE 420#		CALCULATED 24 - HR RATE		OIL - BBL 0	
GAS - MCF 1122 MCFPD		WATER - BBL 1 bbl		OIL GRAVITY - API (CORR)		OIL - BBL 0		GAS - MCF 1122 MCFPD		WATER - BBL 1 bbl	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) V											
35. LIST OF ATTACHMENTS Summary											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED <u>Debra Silman for VJ</u> TITLE <u>VERLA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>2-23-00</u>											

* (See Instructions and Spaces for Additional Data on Reverse Side) Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCO

CONOCO INC.
San Juan 28-7 Unit #231E
API# 30-039-22436
1915' FSL & 1930' FWL, UNIT LETTER "K"
Sec. 16, T28N-R7W

1/21/00 Road unit to location, spot rig.

1/24/00 MI Rig equipment over the weekend. RU. Bleed well down, pumped 30 bbls down csg. ND wellhead and NU BOP. TOOH laying down 228 jts of 1 1/2" tbg (7297'). Change over to 2 3/8" handling equip.

1/25/00 Kill well. RU Blue Jet. RIH and run gamma ray strip in order to correlate with log. POOH. RIH w/ Halliburton 4 1/2" composite plug and set plug @ 5600'. POOH. RU pump and start loading csg. Prep to test csg to 3000#. Pressured up and leaked. Pressure tested 5 times, no test. RD w/l. ND tbg head and found seal rubber tore up. The csg stub was too short and the secondary rubber was not being affected. NU tbg head and prep to repair with a welder in the morning.

1/26/00 Secure well for cutting. ND tbg head and cut off jagged edge on csg stub and rewelded a longer stub. NU tbg head and tested wellhead. OK. NU BOP, RU pump and attempt to test csg to 3000#. Did not test. PU 2 jts 2 3/8" and Halliburton 4 1/2" packer. TIH and set pkr. Test down tbg, leaked. Test csg, held. TOOH w/ pkr, replace pkr and TIH w/ 176 jts and pkr. Set pkr @ 5570'. Test tbg, held. Test csg, leaked. TOOH w/ 16 jts, set pkr @ 5064'. Test tbg, held. Test csg, leaked. TOOH w/ 80 jts, set pkr @ 2523'. Test tbg, leaked. Test csg, held.

1/27/00 TOOH w/ tbg & pkr. Replace packer. TIH to 3169', set pkr, test csg, good. Moved to 3799', good. Moved to 4747', csg leaked. Moved to 4622' good. Moved to 4685', csg leaked, tbg good. Moved to 4654', csg leaked. Moved to 4639', csg leaked. Moved back up to 4622', all tested good. Determined holes in the csg between 4622' & 4685'. Pump-in rate @ 1/2 to 3/4 bpm @ 1600-1800#. Appears holes are relatively small. TOOH w/ 158 jts 2 3/8" & packer. Finish rigging up gas compressors.

1/28/00 Prep well to perforate. RU Blue Jet. RIH w/ 29' 3 1/8" select fire perf gun. Perforate PLO as follows: 5443', 40', 27', 22', 5405', 5393', 91', 41', 38', 07', 5304', 5287', 84', 77', 74', 56', 54', 44', 41', 38', 19', 17', 5201', 5198', 95', 71', 67', 63' & 59'. POOH and PU 10' 3 1/8" select fire perf gun. RIH and sat down @ 4500'. Attempts to go down were unsuccessful. POOH. TIH w/ 176 jts 2 3/8" tbg and 2 7/8" collar on bottom. Attempt to push what appears to be a piece of rubber off the packer that is floating in the csg all the way down pass the perfs. TOOH w/ tbg. RIH w/ perf gun. Finish perforating PLO as follows: 5155', 34', 30', 26', 22', 18', 14', 06', 03' & 5100'. POOH and RD w/l. PU 2 3/8" tbg, Halliburton 4 1/2" RBP & pkr. TIH and set RBP. RU BJ and prep to breakdown perfs in 3 sets, w/ 1000 gals 15% HCL. 1st set broke @ 3000# w/ avg @ 650# 2.5 bpm, 2nd set broke @ 820# w/ avg @ 500# 2.5 bpm, 3rd set broke @ 400# w/ avg @ 320# 2.5 bpm. For the 1st set RBP @ 5478' and RTTS @ 5323'. 2nd set RBP @ 5323' and RTTS @ 5209'. 3rd set RBP @ 5209' and RTTS @ 5089'. Swivel was used to perform acid treatment. RD BJ. TOOH w/ tbg, RBP and pkr. Set up frac valve.

1/31/00 Prep well to frac PLO. RU BJ. Frac down csg w/ 128520 gals 2% KCL, 66 gals FRW-30 and 130 gals Flo-Back 20. Used 46 bbls to load the hole, 86 bbls for a pad, 2888 bbls to treat, and 86 bbls for flush. Fluid to recover 3060 bbls. Pressure test lines to 4100#, set pop-off @ 3032#. Minimum treating pressure 1700#, max pressure 2700#, avg pressure 1800#. Average treating rate 63 bpm. ISDP @ 5 mins. 0#. Had two occurrences during the frac where the pressures increased by more than 300#, once after about 1000 bbls pumped and another at 2200 bbls pumped. Both times the pressures dropped after a couple hundred more bbls were put away. After 1250 bbls, had to shutdown. Returned to regular frac procedure. RD BJ. ND frac valve and NU flow "T". TIH w/ SN & 116 jts 2 3/8" tbg to 3654'.

2/1/00 Continue to TIH w/ 2 3/8" tbg to 5570'. RU blue line. Started to unload well, but ran out of time.

2/2/00 700# Tbg & csg. Bleed down csg. RU compressors and start to unload well w/ gas @ 5570'. Compressors @ 650#. Unloaded 320 bbls. Killed compressors and attempt to flow up tbg. Well would not flow.

2/3/00 Tbg 100# Csg 600# Start up compressors and continue to unload well from 5570'. Compressors @ 400#. Compressor pressure started dropping to 350#. Well started flowing up the tbg on its own around 2:30 pm w/ 180# on tbg and 380# on csg. Put to flow to pit on 1/2" choke. Set up drywatch.

2/4/00 Tbg 145# Csg 360# Well flowed overnight, test reflects 957 MCFPD on 1/2" choke going to the pit. Will continue to flow and unload to the pit over the weekend.

2/5/00 Tbg 140# Csg 300# Well flowed overnight, test reflects 924 MCFPD on 1/2" choke. Well making a 50/50 split on liquid. Amount is relatively small and is burning off at the pit. Continue to dry watch.

2/6/00 Tbg 130# Csg 240#. Well flowed overnight, test reflects 891 MCFPD on 1/2" choke going to the pit. Well still making a 50/50 split on liquid, about 8 bbls/day. Continue to dry watch overnight.

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2/7/00 Bleed down well. Pumped 20 bbls down tbg and 20 bbls down csg. TOOH w/ 175 jts 2 3/8" tbg and SN. Wait on engineering for procedure direction. RU Blue Jet and RIH w/ 4 1/2" Halliburton composite plug. Set plug @ 5080'. POOH and PU 3 1/8" select fire perf gun, RIH and perforate MV Menefee in 2 - 19 shot runs (1 SPF) as follows: 4828',31',34',37',40',43',46',50',53',56',59',62',65',68',72',75',78',82',85',88',91',94',97',100',103',106',109',112',115',118',121',124',127',130',133',136',139',142',145',148',151',154',157',160',163',166',169',172',175',178',181',184',187',190',193',196',199',202',205',208',211',214',217',220',223',226',229',232',235',238',241',244',247',250'. RD w/ and PU Halliburton 4 1/2" RBP and RTTS packer. TIH w/160 jts 2 3/8" tbg to 5059'. Set packer and attempt to test frac plug to 3000#. Plug did not test. Moved RBP down to set just above plug and test with RBP, tagged up @ 5066', 14' above frac plug. Still could not get a test. Pressured up to 1500# but would not hold pressure. Moved packer and RBP up to 4500' and set and attempt to test. Able to get up to 3000#, but still had small leak. TOOH w/ pkr and RBP.

2/8/00 Csg 55# bleed down. RU Blue Jet and RIH w/ 4 1/2" gauge ring. Sat down @ 5080'. POOH w/gauge ring. PU 4 1/2" Halliburton RTTS packer and TIH w/ 160 jts 2 3/8" tbg. Tagged plug w/tbg @ 5077'. Set RTTS @ 5070' and test frac plug to 3000#. Test good. Breakdown perfs by balling off under a packer in 2 sets w/ 1000 gals 15% HCL and additives. Dropped 60 balls in 20 stages of 3. 1st set broke @ 900# w/ avg rate 4.5 bpm w/ ISDP 300#. 2nd set broke @ 300# w/ avg rate 4.5 bpm w/ ISDP 100#. Max treating pressure 2800#, avg 2000# avg rate 4.5 bpm. RTTS set @ 5000' and 4815' for breakdown. TOOH w/ tbg and pkr. RIH w/ w/ w/ junk basket. Retrieved 54 balls w/ 50% hit rate. RD w/ and RU frac valve.

2/9/00 Csg Vacuum. RU frac "Y". RU BJ, prep to frac Menefee. Discussed procedure changes w/ engineering. Test lines to 4000#. Frac w/ 90342 gals 2% KCL, 80 gals FB-20, 37 gals FRW-30. Dropped 14- 7/8" ball sealers in 3 stages during the frac process. Pumped 870 bbl pad @ 43 bpm @ 2100#. Rate @ 52 bpm when 7 balls dropped, pressure increase of 150#. Rate @ 57 bpm @ 2200# when 4 balls dropped, pressure increase 100#. Rate @ 52 bpm @ 2130# when 3 balls dropped, no pressure increase. Max pressure 2500#, avg 2200#, avg rate 52 bpm, ISDP 844#, 5 mins- 671#, 10 mins- 651#, 15 mins- 644#, fluid to recover 2151 bbls. Temperature of the water 39 degrees. Did not use chemicals until rate and pressure stabilized, @ 175 bbls started Flo- back and then @ 293 bbls friction reducer. Saw at least a 100# drop in pressure for each chemical add. RD BJ, RU Blue Jet, RIH w/ junk basket and knocked off balls. POOH and PU 4 1/2" Halliburton composite plug. RIH and set plug @ 4780'. POOH and performed leak-off test on plug. OK. PU 3 1/8" (30') select fire perf gun, RIH and perf Cliffhouse (1 spf) as follows:4540',43',46',49',51',80',83',86',89',92',95',98',4601',03',06',09',58',61',64',67',70',73',76',79',82',85',88',91',94', & 97'. Discussed procedure changes w/ engineering. RD w/ and RU BJ. Prep to breakdown and frac Cliffhouse at same time. Pressure test lines to 4000#. Pumped 111636 gals 2% KCL, 105 gals FB-20, 58 gals FRW-30, 500 gals 15% HCL. Dropped 10- 7/8" ball sealers in 2 stages. Started off pumping 44 bbl pad @ 42 bpm @ 2800#, saw break at 1350#. Shut down for ISDP (350#). Pump acid and start water frac. Rate 59 bpm @ 2566#, dropped 5 balls, pressure increase to 2950#. Rate @ 55 bpm @2497, dropped 5 balls, lowered rate to 49 bpm prior to ball arrival, pressure increased to 2850#. Max pressure 2950#, avg 2650#, avg rate 55 bpm, ISDP 718#, 5mins- 607#, 10 mins- 574#, 15 mins- 542#, fluid to recover 2670. RD BJ. RD frac "Y" and frac valve.

2/10/00 Csg 120#, bleed down. TIH w/ 3 7/8" mill & 150 jts 2 3/8" tbg to 4733', attempt to unload well. Well not responding. Compressors @ 700- 750#. TOOH w/ 30 jts, attempt to unload well @ 3780'. Well still not responding.

2/11/00 0# TBG 500# CSG. Bleed down csg. Continue to unload well @ 3780'. IH w/ 30 jts. Attempt to unload @ 4733'. Well not responding. TOOH w/ 10 jts, attempt to unload @ 4416'. Well not responding. TIH w/ 11 jts and mill out plug. Circulate.

2/12/00 CSG 0#. Attempts to unload @ 4778' were unsuccessful. TOOH w/ 20 jts. Attempt to unload @ 4147'. Compressors @ 900#. Well showing no signs of wanting to flow on its own.

2/13/00 0# CSG. Continue to unload well @ 4147'. Compressors dropped from 900# to 700#. TIH w/ 20 jts, start unloading well @ 4778'. Have hauled off 640 bbls of water up to this point.

2/14/00 CSG 700#. Bleed down. Kill tbg w/ 15 bbls. TOOH w/ 20 jts and remove string float. TIH w/ 31jts and attempt to unload well @ 5050'. Flow up tbg overnight w/ 1/2" choke. Turned over well to drywatch w/ 200# tbg and 380# csg.

2/15/00 Well quit flowing around 9:00 pm, loaded up. This morning 20# tbg and 700# csg. Opened up tbg and bleed down. Bleed down csg. Start up compressors and continue to unload well @ 5050'. Well started flowing on its own around 1:00 pm w/ 75- 90# on tbg and 380# on csg. Set up 1/2" choke. Turned well over to drywatch.

2/16/00 Well flowed overnight. This morning 90# tbg 340# csg on 1/2" choke, making about 1/4 bph of water. Production comes out to 594 mcfpd. Confer w/ engineering. OK to proceed. Bleed tbg and csg down. PU 1 jt 2 3/8" tbg w/ power swivel and mill out Halliburton 4 1/2" composite plug @ 5080'. RD swivel. Kill tbg and TIH w/ 17 jts. Unload well @ 5538'. Flow up the tbg w/ 1/2" choke. Pressure on tbg 240#, csg 450# @ 5:00pm, turned over to drywatch.

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2/17/00 170#tbg, 420#csg. Confirm overnight test with engineering, ok to proceed. Bleed down tbg and csg. Kill tbg. PU 1 jt 2 3/8" tbg and power swivel. Mill out plug @ Halliburton 4 1/2" composite plug @ 5600'. Lay down power swivel and PU 54 jts. Tag fill @ 7302'. 82' of DK perfs covered. Do not know where top of fish is located. PU swivel and proceed to cleanout. Cleaned out to 7310' and torqued up. Circulate clean and lay down power swivel. Believe to be on top of fish @ 7310'. TOO H w/ 61 jts. Secure well for the night. Well DHC on order #2573. MV TEST: Tbg 170#, Csg 420#, Oil 0, Water 1, Gas 1122, 1/2" choke, Tbg landed @ 5570' for test. Test witnessed by Willis Gissendaner w/ L&R Construction

2/18/00 540#tbg & csg. Bleed down. TOO H w/ 170 jts and mill. TIH w 1 jt of 3 3/4" HFJ wash pipe and 230 jts 2 3/8" tbg to 7310'. Cleanout to 7341'. Circulate clean. TOO H w/ 20 jts.

2/21/00 700# tbg & csg. Bleed down. Kill well. TOO H w/ 210 jts and wash pipe. TIH w/ 3 7/8" overshot and 232 jts 2 3/8" tbg. Tag fish @ 7338'. TOO H w/ tbg & fish (2' piece of 1 1/2" tbg, 2 full jts of 1 1/2" tbg, SN, and pin and collar piece).

2/22/00 700# csg. Bleed down. Kill csg. TIH w/ SN and 235 jts 2 3/8" tbg, attempt to unload well @ 7401'.

2/23/00 700# csg. Bleed down csg. Unload well @ 7401'. Lay down 8 jts of 2 3/8" tbg. Kill tbg and csg. Land tbg w/ 227 jts @ 7179' w/ KB. ND BOP and NU wellhead. Unload well @ 7179'. Rig down blue line and compressors and rig down unit. Prep to move to SJ 28-7 188.