

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other instructions on reverse side)

COPY
FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

RECEIVED
RLM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NO. SF-079321A	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> 70 FATHERSTON, NM						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
						7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER						8. FARM OR LEASE NAME, WELL NO. SAN JUAN 28-7 UNIT #183M	
2. NAME OF OPERATOR CONOCO, INC.						9. API WELL NO. 30-039-25660	
3. ADDRESS OF OPERATOR 10 DESTA DRIVE, STE 100W, MIDLAND, TX 79705 (915) 686-5424						10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 870' FSL - 1480' FEL, UNIT LETTER 'O' At top prod. Interval reported below At total depth						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 0 1-T27N-R7W	
				14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH RIO ARRIBA	13. STATE NM
15. DATE SPUDDED 06-24-97	16. DATE T.D. REACHED 07-09-97	17. DATE COMPL. (Ready to prod.) 08-06-97	18. ELEV. (DF, RKB, RT, GR, ETC) * 6522' GL	19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 7662'		21. PLUG, BACK T.D. MD. & TVD		22. IF MULTIPLE COMPLETIONS, HOW MANY * 1		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 T.D.) * 7386' - 7591' BASIN DAKOTA						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN						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, CEMENTING RECORD		AMOUNT PULLED	
9-5/8"	36#	226'	12-1/4"	140 SX			
7	23#	3435'	8-3/4"	475 SX			
4-1/2	11.6#	7656'	6-1/4"	515 SX			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKET SET (MD)
					2 3/8"	7425'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
SEE ATTACHED STIMULATION SUMMARY				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. * PRODUCTION							
DATE FIRST PRODUCTION 7-24-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 8-06-97	HOURS TESTED 2 hrs.	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 1	GAS - MCF 2650	WATER - BBL 15	GAS - OIL RATIO
FLOW. TUBING PRESS 550#	CASING PRESSURE 700# EST.	CALCULATED 24 - HR RATE	OIL - BBL 1	GAS - MCF 2650	WATER - BBL 15	OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared							
35. LIST OF ATTACHMENTS Stimulation Summary							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.							
SIGNED Eric J. Giles For D. Bemenderfer				TITLE DEBRA BEMENDERFER, As Agent for Conoco Inc. DATE 08-25-97			

NMOCD

ACCEPTED FOR RECORD
TEST WITNESSED BY
Fernando Pena with Flint

AUG 27 1997

FARMINGTON DISTRICT OFFICE



CONOCO INC.
SAN JUAN 28-7 #183M
API # 30-039-25660

SEC 15 - T28N - R7W UNIT LETTER "O"
870' FSL - 1480' FEL
ATTACHMENT FOR BLM 3160-4 & 3160-5

COPY
RECEIVED
BLM

97 AUG 26 AM 9:04

070 FARMINGTON, NM

07/11/97 MIRU, NDWH & NUBOP. RIH WITH 2-3/8" TBG, AND 3-7/8" BIT. TAGGED CEMENT @ 7544'. DRILLED FLOAT COLLAR AND CEMENT TO 7652'. CIRCULATED WITH CLEAN 1% KCL WATER. TESTED CSG TO 3000 PSI - OK. POOH WITH TBG AND BIT. PBDT @ 7652'. TESTED 7 X 4-1/2" CSG ANNULAS TO 700 PSI. OK. TOOK 10 BBLs TO LOAD.

RIG UP SCHLUMBERGER RAN TDT LOG FROM 7652' TO 2200', RAN TEMPERATURE SURVEY FROM 2998' TO 2137'. ESTIMATED TOC @ 2450'. RIG UP FRAC VALVE.

RIG UP BLUE JET, TO PERFORATE DK. COULD NOT GET ON DEPTH USING SCHLUMBERGER TDT. LOG, THEIR TD AND FLOAT COLLAR DEPTH DID NOT CORROLATE WITH RIG TBG DEPTH OR BLUE JET WIRELINE DEPTH. RUN GAMMA STRIP LOG TO TIE IN DEPTHS WITH SCHLUMBERGER TDT LOG. SEEMS THAT SCHLUMBERGER TDT LOG IS APPROX. 44' SHALLOW. PERF LOWER DK. WITH 3-1/8" GUN, .32" HOLE SIZE. PERF 7504-07-09-11-13-16-19-38-40-42-44-60-63-65-67-72-74-76-91. TOTAL OF 19 HOLES. PRESSURED CSG TO 2000 PSI WHILE PERFORATING. ACIDIZED WITH 500 GALS 15% HCL WITH 34 BALL SEALERS @ 15 BPM @ 3040 PSI, BALLED OUT. ISIP 1150 PSI. RETRIEVED 34 BALLS, 19 HITS. FRACED LOWER DK. WITH 81,790# OF 20/40 OTTAWA SAND AND 6,000# OF 20/40 SDC SAND. AVG RATE 31.2 BPM @ 3380 PSI AVG PRESSURE. MAX PRESSURE 3900 PSI. MAX SAND CONC 3#/ GAL. WELL SCREENED OUT WITH 81,790# ON FORMATION. TREATING FLUID 82,320 GALS OF 15# CROSSLINK GEL. TOTAL FLUID PUMPED 1545 BBLs. ISIP 1900 PSI. 1190 PSI IN 8 MIN. OPENED WELL UP FLOWED SAND BACK TO PIT UNTIL WELL CLEANED UP.

RIG UP BLUE JET, SET CIBP @ 7476'. TESTED CSG TO 3000 PSI, - OK. PERF UPPER DK WITH 3-1/8" HSC WITH .32" HOLE SIZE. PERF @ 7386-88-90-97-99-7400-01-02-03-05-07-19-21-23-25-27-29. TOTAL OF 17 HOLES. PRESSURE UP TO 3000 PSI. COULD NOT PUMP IN. RIH WITH DUMP BAILER WITH 12 GAL 28% HCL ACID, DUMP ACID @ 7426'. PRESSURED UP TO 4000 PSI, WOULD NOT BREAK. RIH WITH 15 GALS 28% HCL WITH DUMP BALER. DUMP ACID @ 7426'. PUMPED 500 GALS 15% HCL ACID WITH 30 BALLS SEALERS @ 14 BPM AVG RATE @ 3008 PSI AVG PRESSURE. BALLED OUT, ISIP 1810 PSI. RETRIEVED 30 BALLS WITH 17 HITS. FRACED UPPER DK WITH 66,000# OF 20/40 OTTAWA SAND AND 6,000# OF 20/40 SDC, USING 15# XLINK GEL. TOTAL FLUID PUMPED 929 BBLs. AVG RATE 26 BPM @ 3195 PSI AVG PRESSURE. MAX SAND CONC 3#/ GAL. ISIP 2400 PSI.

WELL ON VACUUM. REMOVE TREE SAVER. RIG UP BLUE JET. RIH WITH CIBP, SET CIBP @ 5700'. TEST CSG AND CIBP TO 3000 PSI. - OK. RIH PERF MV (POINT LOOKOUT) WITH 3-1/8" HSC. HOLE SIZE .32". PERF @ 5375-77-79-81-83-89-91-93-5404-06-08-10-12-14-16-34-36-38-40-42-59-61-63-65-67-69-71. TOTAL HOLES 27. WELL ON VACUUM. SHUT DOWN. READY TO FRAC.

RIG UP BJ. ACIDIZED WITH 500 GALS 15% HCL WITH 45 BALL SEALERS, @ 20 BPM AVG RATE @ 400 PSI AVG PRESSURE. BALLED OUT. ISIP 1400 PSI. RETRIEVE 44 BALLS, 25 HITS. FRACED POINT LOOKOUT WITH 59,000# OF 20/40 AZ SAND AND 6,000# 20/40 SDC SAND @ 45 BPM AVG RATE @ 1000 PSI AVG PRESSURE. MAX SAND CONC 2#/GAL.

(CONT.) TOTAL FLUID PUMPED 1675 BBLS SLICKWATER. ISIP 0- PSI. RIH SET CIBP @ 5350'. TEST CSG AND CIBP TO 3000 PSI - OK. PERF MV (MENELEE) WITH 3-1/8" HSC WITH .32" HOLE SIZE. PERF @ 5067-69-79-81-5142-44-46-80-82-5205-07-09-83-85-95-97-5300-02-05-07. TOTAL HOLES 20. ACIDIZED WITH 500 GALS 15% HCL ACID WITH 30 BALL SEALERS. AVG RATE 7.5 BPM @ 2500 PSI AVG PRESSURE. BALLED OUT. ISIP 100 PSI. RETRIEVE 30 BALL SEALERS, WITH 20 HITS. FRACED MV (MENELEE) WITH 61,000# OF 20/40 AZ SAND AND 6,000 OF SDC @ 40 BPM AVG RATE AND 2400 PSI AVG PRESSURE. TOTAL FLUID PUMPED 2047 BBLS OF SLICKWATER. MAX SAND CONC 2#/ GAL. ISIP 2200 PSI. SET CIBP @ 5026' AND TEST CSG AND CIBP TO 3000 PSI. - OK. RIH PERF MV (CLIFFHOUSE) WITH 3-1/8" HSC WITH .32" HOLE SIZE. PERF @ 4812-14-29-33-35-39-43-53-56-67-71-73-75-79-81-86-97-99-4902-07-09-15-17-26-28-31-33. TOTAL HOLES 27. ACIDIZED WITH 500 GALS 15% HCL ACID WITH 41 BALL SEALERS @ 10 BPM AVG RATE @ 2000 PSI AVG PRESSURE. BALLED OFF. ISIP 2700 PSI. RETRIEVED 40 BALLS WITH 27 HITS. FRACED MV (CLIFFHOUSE) WITH 96,720# OF 20/40 AZ SAND WITH 2582 BBLS OF SLICKWATER, @ 45 BPM AVG RATE @ 2100 PSI AVG 2000 PSI. WELL SCREENED OUT WITH 61 BBLS FLUSH, DID NOT PUMP SDC SAND. (NOTE: HAD EQUIP. PROBLEMS AND HAD TO SHUT DOWN 2 TIMES DURING FRAC.)

RIH WITH 2-3/8" TBG AND BAKER METAL MUNCHER MILL. TAGGED SAND @ 4660'. CONNECTED BLOWIE LINE AND COMPRESSORS, STARTED COMPRESSORS AND CLEANED SAND TO CIBP @ 5026'. PULLED BACK UP TO 4660'.

TBG 300 PSI AND CSG 300 PSI. RIH AND TAGGED SAND FILL @ 4990' FOR 30' OF FILL. STARTED COMPRESSORS AND CLEANED SAND TO CIBP @ 5026'. DRILLED UP CIBP @ 5026'. CONTINUED IN HOLE AND TAGGED SAND FILL @ 5290'. CLEANED SAND FILL TO CIBP @ 5350'. STARTED DRILLING ON CIBP.

FINISHED DRILLING UP CIBP @ 5350'. CONTINUED IN HOLE TAGGED SAND @ 5717'. WELL MAKING HEAVY WATER AND SAND. PULLED BACK UP TO 4780'. WILL DRYWATCH THRU THE NIGHT AND GET TEST ON MV. FORMATION. WILL TEST MV USING 1/2" CHOKE NIPPLE.

DRYWATCHED THRU THE NIGHT. WELL FLOWING THRU 1/2" CHOKE NIPPLE, TBG 270 PSI AND CSG 550 PSI. 35 BBLS WATER AND 2 BBLS OIL. 1690 MCFPD. 2-3/8" TBG @ 4790'. TEST WITNESSED BY MIKE STONE WITH L&R. RIH TAGGED SAND @ 5685'. STARTED COMPRESSORS AND CLEANED SAND TO CIBP @ 5700'. DRILLED UP CIBP @ 5700'. CONTINUED TO RIH, TAGGED FILL @ 7311'. CLEANED SAND TO 7501'. PULLED BACK UP TO 6501'.

TIH W/TBG FROM 6501 TO TAG FILL @ 7489, CO TO PBTD @ 7652', CIRC HOLE CLEAN, PU TBG TO 7400', TURN OVER TO DRYWATCH.

DRYWATCH THRU 1/2" CHOKE 160# TBG, 540# CSG, CONTINUE THRU 2" UNTIL 7/27/97 @ 12NOON.

DRYWATCH THRU 2" W/40# TBG, 560# CSG, SHUT IN 12 NOON.

TAG SAND @ 7622', 30' OF FILL OVER WEEKEND, CO TO PBTD @ 7652', CIRC CLEAN, PU TBG TO 7500' TURN OVER TO DRYWATCH THRU 2".



40# TBG, 550# CSG, FLOWING UP TBG TO PIT, TIH W/TBG FROM 7500' TO TAG FILL @ 7640' (15' OF FILL), CIRC CLEAN, CONT SWEEPING HOLE W/GAS & FOAM, PU TBG TO 7490' TURN OVER TO DRYWATCH THRU NIGHT.

35# TBG, 550# CSG, FLOWING THRU TBG TO PIT, TIH FROM 7490' TO TAG FILL 7646', (10' OF FILL), CIRC HOLE CLEAN, SWEEP W/GAS & FOAM, PU TBG TO 7500', TURN OVER TO DRYWATCH.

TBG 35# FLOWING TO PIT, TAG FILL 3' ABOVE PBTD @ 7656', CIRC CLEAN TO PBTD, TOO H W/MILL, TIH W/PERF SUB, SN 58 JTS 2-3/8" TBG, HBTON PLS PKR & 177 JTS TBG, ATTEMPT TO SET PKR, GOT OFF ON/OFF TOOL, COULD NOT SET PKR, STUCK IN SAN, RU GAS COMPRESSORS, CIRC SAND OFF TOP OF ON/OFF TOOL, LATCH PKR & TOO H W/SAME.

CSG 600 PSI AND TBG 600 PSI. TRIP IN HOLE WITH 2-3/8" TBG AND MULE SHOE. TAG FILL @ 7610' FOR 45' OF FILL RIG UP GAS COMPRESSORS AND CLEANED SAND TO PBTD. PULL TBG BACK UP TO 7564', WILL DRY WATCH THRU THE WEEKEND, TO ALLOW WELL TO CLEAN UP.

DRYWATCHED WELL WITH WELL FLOWING UP THE TBG. TBG 30 PSI AND CSG 480 PSI. WELL STILL MAKING FLUID AND MEDIUM SAND. CONTINUED TO DRYWATCH TO ALLOW WELL TO CLEAN UP.

DRYWATCHED TO ALLOW WELL TO CLEANUP. WELL STILL FLOWING UP 2-3/8" TBG. TBG 30 PSI AND CSG 480 PSI. WELL STILL MAKING FLUID AND MEDIUM SAND.

RIH WITH TBG AND TAG FILL 10' ABOVE PBTD. STARTED COMPRESSORS AND CLEANED SAND TO PBTD. PULLED UP THE HOLE 200' AND ALLOW WELL TO FLOW TO CLEAN UP. RIH TO TAG FOR FILL. TAGGED FILL 3' ABOVE PBTD. STARTED COMPRESSORS AND CLEANED SAND TO PBTD. PULL BACK UP TO 7562'. WILL DRYWATCH THRU THE NIGHT TO ALLOW WELL TO CLEAN UP.

DRYWATCHED THRU THE NIGHT. TBG 30 PSI AND CSG 450 PSI. RIH TAGGED SAND 8' ABOVE PBTD. STARTED COMPRESSORS AND CLEANED SAND TO PBTD. PULLED UP TO 5354' TO ALLOW MV PERFS TO CLEAN UP AND TRY TO DETERMINE WHERE SAND (IF ANY) WAS COMING FROM. SHUT DOWN COMPRESSORS AND ALLOWED WELL TO CLEAN UP. DRYWATCHED THRU THE NIGHT.

8/6/97 DRYWATCHED THRU THE NIGHT. RIH TAGGED SAND 6' ABOVE PBTD. STARTED COMPRESSORS AND CLEANED SAND TO PBTD. POOH WITH TBG. RIH WITH 6' PERF SUB BULL PLUGGED ON BOTTOM, SN, 58 JTS OF 2-3/8" TBG, HALLIB. PLS PKR, ON/OFF TOOL AND 177 JTS. OF 2-3/8" TBG. SET PKR AND LAND TBG. PKR @ 5591' AND BOTTOM OF TBG @ 7425'. TOTAL TBG 235 JTS. NDBOP AND NUWH. RIG DOWN.

