

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other in-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *											
1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER					5. LEASE DESIGNATION AND SERIAL NO. SF 079290 B						
b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. RESVR. OTHER WELL ☒ OVER ☐ EN ☐					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 10 DESTA DRIVE, STE. 100W MIDLAND, TX 79705 915-686-5424					8. FARM OR LEASE NAME, WELL NO. #222M						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 916' FNL - 813' FWL At top prod. Interval reported below At total depth					9. API WELL NO. 30-039-25562						
14. PERMIT NO.					DATE ISSUED		12. COUNTY OR PARISH RIO ARRIBA COUNTY		13. STATE NM		
15. DATE SPUNDED 4-29-97		16. DATE T.D. REACHED 5-10-97		17. DATE COMPL. (Ready to prod.) 5-20-97		18. ELEV. (FE, RKB, RT, GE, ETC) * 6586 GL		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD A TVD 7760'		21. PLUG, BACK T.D. MD. & TVD 7752'		22. IF MULTIPLE COMPL. HOW MANY *		23. INTERVALS DRILLED BY ROTARY CABLE TOOLS ☒ TOOLS ☐					
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) * 7519' - 7749' DAKOTA 7720'								25. WAS DIRECTIONAL SURVEY MADE			
26. TYPE ELECTRIC AND OTHER LOGS RUN DUAL THERMAL ELECTRIC LOGS								27. WAS WELL CORED			
28. CASING RECORD (Report all strings set down)											
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE		CEMENT, CEMENTING RECORD		AMOUNT FULLED	
9-5/8"		36#		289'		12-1/4"		165 SX			
7"		23#		3614'		8-3/4"		457 SX 380			
4-1/2"		10.5# / 11.6#		7759'		6-1/4"		510 SX			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)			
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKET SET (MD)							
2-3/8"		7692'		5630' Temp.							
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
33. * PRODUCTION											
DATE FIRST PRODUCTION 5-20-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING					WELL STATUS (Producing or shut-in) PRODUCING				
DATE OF TEST 8-14-97		HOURS TESTED 24 HRS		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD →		OIL - BBL 0		GAS - MCF 550 MCFD	
FLOW. TUBING PRESS 280#		CASING PRESSURE 290 # EST.		CALCULATED 24 - HR RATE →		OIL - BBL 1		GAS - MCF 550 MCFD		WATER - BBL 8	
										OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) FLARED								TEST WITNESSED BY GILBERT HUGHES			
35. LIST OF ATTACHMENTS STIMULATION SUMMARY/LOGS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED		TITLE As Agent for Conoco Inc.					DATE October 28, 1997				

* (See Instructions and Spaces for Additional Data on Reverse)

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.

DEC 08 1997

FARMINGTON DISTRICT OFFICE

NWOOD

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SIGNED <i>Robert B. Burdick</i> TITLE As Agent for Conoco Inc. DATE May 27, 1997																													

* (See Instructions and Spaces for Additional Data on Reverse Side)

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ACCEPTED FOR RECORD
MAY 30 1997
FARMINGTON DISTRICT OFFICE
BY *[Signature]*

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored internals, 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	TOP TRUE VERT. DEPTH
OJO ALAMO	2466					
KIRTLAND	2591					
FRIUTLAND fma	2871					
PICTURED CLIFFS	3284					
LEWIS	3462					
CHACRA	4228					
CLIFFHOUSE	4908					
MENEFEE	5039					
POINT LOOKOUT	5451					
MANCOS	5931					
GALLUP	6732					
GREENHORN	7412					
GRANEROS	7472					
DAKOTA	7515					

SAN JUAN 28-7 UNIT 222M (GMH 5/16/97)							
API Code	30039/255200			Field Code	San Juan		
TD	7760.0 ft KB			Basin			
PBTD	7752.0 ft KB			Basin Code			
State	New Mexico			Permit			
County	Rio Arriba			Spud	29-Apr-97		
District	San Juan C.U.			Finish Dri	10-May-97		
Permit No.				Completion			
TD Measured	7760			Abandon			
Reservoir	Mesaverde/Dakota						
Field							
Elevations							
KB	6600.0 ft			Cas Flng			
Grd	6586.0 ft			Tub Head			
KB-Grd	14.0 ft						
Bore Hole Data							
	Depth (ft KB)			Size (in)			
	304.0			12 1/4			
	3615.0			8 3/4			
	7760.0			6 1/4			
Casing String - Surface Casing							
Item (in)	Btm (ft KB)	Jnts	ID	Wt	Grd	Thd	Comments
9 5/8 in Casing	289.0	6	8 5/8" 64	38.00	K-55	8rd ST&C	
Casing String - Intermediate Casing							
Item (in)	Btm (ft KB)	Jnts	ID	Wt	Grd	Thd	Comments
7 in Casing	3614.0	81	6 3/8	23.00	K-65	8rd LT&C	
Casing String - Production Casing							
Item (in)	Btm (ft KB)	Jnts	ID	Wt	Grd	Thd	Comments
4 1/2 in Casing	6242.0	144	4 3/8" 64	10.50	K-55	8rd ST&C	
4 1/2 in Casing	7759.0	34	4	11.60	K-65	8rd LT&C	
Casing Cement							
Casing String	Top (ft KB)	Amount (sz)	Comments				
Surface Casing	0.0	165	Cement circ				
Intermediate Casing	0.0	457	Cement circ				
Production Casing	2580.0	510	TOC by CBL				
Perforations							
Date	Int	Shots (ft)	Comments				
17-May-97	4912.0 - 5069.0	0.5	28 - 3/4" holes @ 4912, 14, 21, 25, 27, 32, 39, 55, 59, 62, 65, 72, 75, 82, 85, 88, 97, 99, 5005, 23, 28, 30, 34, 37, 46, 51, 57, 5069 CLIFFHOUSE				
17-May-97	5147.0 - 5340.0	0.5	27 - 3/4" holes @ 5147, 49, 51, 55, 61, 68, 73, 94, 96, 5202, 04, 09, 11, 17, 19, 37, 40, 43, 77, 81, 83, 93, 95, 99, 5301, 38, 5340 MENEFEE PAY				
18-May-97	5430.0 - 5573.0	0.5	30 - 3/8" holes @ 5430, 34, 40, 52, 57, 61, 80, 84, 88, 91, 5503, 05, 07, 09, 20, 22, 24, 26, 28, 30, 35, 38, 42, 50, 61, 63, 65, 67, 71, 73 POINT LOOKOUT PAY				
14-May-97	7519.0 - 7565.0	0.3	17 holes @ 7519, 20, 21, 27, 29, 33, 35, 37, 39, 41, 51, 53, 55, 57, 63, 64, 65. UPPER DAKOTA				
14-May-97	7626.0 - 7720.0	0.3	20 holes @ 7626, 28, 30, 32, 34, 36, 38, 40, 42, 61, 63, 71, 80, 82, 84, 86, 7708, 14, 19, 20. LOWER DAKOTA				
Other (plugs, equip., etc.) - Plug Back							
Date	Item	Int (ft KB)	Comments				
13-May-97	C.I.B.P.	7752.0 - 7756.0	DO to 7759', did not pressure test, set CIBP				
Stimulations & Treatments							
Date	Type	Zone	Int	Fluid	Comments		
17-May-97	Acid Squeeze	Cliffhouse	4912.0 - 5069.0	15% HCl	500 G 15% HCl w/41 ball sealers @ 14 BPM Max 2950, balled off, ISIP 0		

SAN JUAN 28-7 UNIT 222M (GMH 5/16/97)

5/19/97

Stimulations & Treatments (cont)					
Date	Type	Zone	Int	Fluid	Comments
17-May-97	Fracture	Mesefee	5147.0 - 5340.0	Slickwater	112,000 G slick w/87,100# 20/40 Brady, 7000# 20/40 SDC. @ 41 BPM Max 2250, avg 1900, ISIP 1200 Max sand conc 2#/G
17-May-97	Acid squeeze	Mesefee	5147.0 - 5340.0	15% HCl	500 G 15% HCl w/41 ball sealers @ 14 BPM, BD @ 2200#, ISIP 700#, balled off @ 2950#, flushed to top perf
16-May-97	Acid squeeze	Point Lookout	5430.0 - 5573.0	15% HCl	500 G 15 % HCl w/45 ball sealers @ 13 BPM max psi 3000# balled off
17-May-97	Fracture	Point Lookout	5430.0 - 5573.0	Slickwater	105,000 G slick w/89,000# 20/40 Brady, 8400# 20/40 SDC, @ 50 BPM, Max 1830, avg 1450, ISIP 0, Max sand conc 2#/gal
14-May-97	Fracture	Dakota	7519.0 - 7565.0	Water	58,000 G 18# gel w/ 60,000# 20/40 Ott & 7000# 20/40 SDC. ATP=3500# @ 30 bpm, ISIP=1800#
14-May-97	Acid Squeeze	Dakota	7519.0 - 7565.0	15% HCl	
14-May-97	Fracture	Dakota	7626.0 - 7720.0	Water	80,000 G 18# gel w/ 92,700# 20/40 Ott & 6500# 20/40 SDC. ATP=3300# @ 35 bpm, ISIP=1550#
14-May-97	Acid Squeeze	Dakota	7626.0 - 7720.0	15% HCl	

Logs Run

Date	Type	Int	Company	Comments
13-May-97	GR-CBL	0.0 - 0.0	Schlumberge	
13-May-97	TDT	2850.0 - 7754.0	Schlumberge	

Formation/Horizon Tops

Top (TKB)	Formation
2671.0	Fruitland
3284.0	Pictured Cliffs
3462.0	Lewis
4228.0	Chacra
4908.0	Cliffhouse
5059.0	Mesefee
5451.0	Point Lookout
5831.0	Manos
7515.0	Dakota

Drilling Notes

Date	Note
05-May-97	Drill 6 1/4" hole with air.

Completions & Workovers

Date	Reason for Workover	Summary
12-May-97	Perf & Stimulate Dakota & Mesaverde	Perf & Stimulate Dakota & Mesaverde -
17-May-97	Unfilled 2	Unfilled 2 -

28-7 Unit No. 222M
Dakota & Mesaverde
Production Test Configuration

The 222M new drill has been stimulated in both the Dakota and Mesaverde zones in order to reduce completion costs by eliminating the need to re-mobilize both frac and completion equipment for the Mesaverde completion.

In order to get accurate individual tests on both the Dakota and Mesaverde a "Lokset" retrievable packer with an on-off seal section will be used. This packer will be set between the two zones and left for the duration of the tests in order to maintain the integrity and accuracy of each test. In addition a plug will also be placed in an "X" profile nipple below the packer to eliminate the possibility of the Dakota leaking past the on-off seal section during the Mesaverde test.

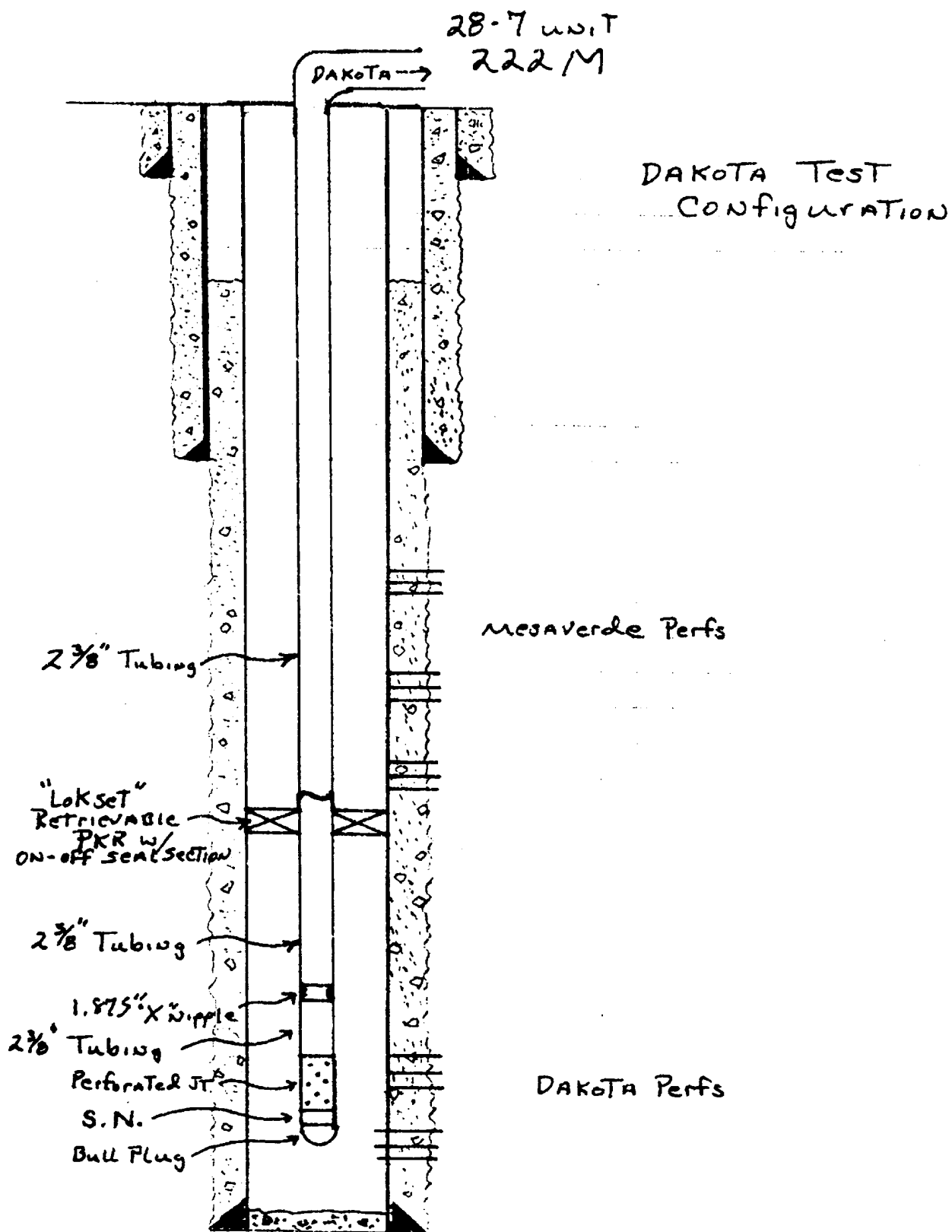
The following is the testing procedure that will be used:

1. Run in hole with the following test string listed from bottom up:
(See diagram for further clarification)

Bull Plug
SN
Perforated jt
1 jt 2 3/8" tubing
1.875" "X" profile nipple
2 3/8" tubing to packer
"Lok-Set" Retrievable Casing Packer w/ ON-OFF Sealing Assembly
2 3/8" tubing to surface

Notes: **Set packer approx 50' below MV bottom perf. +/- 5625'**
 Place Perforated jt in mid Dakota perfs. +/- 7660'

2. Obtain stabilized flow test for Dakota C-104. Once approved, place Dakota to sales for 3 month test period.
3. Following Dakota test period:
 - A. MIRU service rig. RIH w/ wireline and place a pressure bomb into SN. Contact Mark Majcher (915) 686-6561 for data point collection instructions.
 - B. RIH w/ a 1.875" plug in profile nipple and seal off Dakota formation.
 - C. J-off Packer seal assembly and PUH w/ tubing. Land tubing in mid Point Lookout perforations. (+/- 5530') Release service rig.
4. Place Mesaverde to sales for production test period.



FBH

5-22-97

222M

28-7 UNIT
222M

Mesa Verde

Mesa Verde Test
Configuration

Mesa Verde Perfs

2 7/8" Tubing

"LokSet"
Retrievable
PKR w/
ON-OFF seat section

2 7/8" Tubing

1.875" X Whipple

2 7/8" Tubing

Perforated JT

S.N.

Bull Plug

DAKOTA Perfs

FBH

5-22-97

222M

WELL NAME AND NUMBER SAN JUAN 28-7 # 222M
LOCATION SEC. 25 T-28N, R7W RIO ARRIBA COUNTY, N.M.
(New Mexico give U, S, T, & R; Texas give S, Blk., Sur. & Twp. when required.)
OPERATOR CONOCO, INC.
DRILLING CONTRACTOR AZTEC WELL SERVICING CO., INC.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° @ 154'</u>	<u>1° @ 7729'</u>		
<u>1/4° @ 304</u>			
<u>1 3/4° @ 917'</u>			
<u>1 3/4° @ 1416'</u>			
<u>1 1/2° @ 1915'</u>			
<u>1 3/4° @ 2507'</u>			
<u>1 1/2° @ 3031'</u>			
<u>1 3/4° @ 3584'</u>			
<u>1° @ 4087'</u>			
<u>1° @ 4676</u>			
<u>3/4° @ 5117'</u>			
<u>1° @ 5616'</u>			
<u>1 1/4° @ 6113'</u>			
<u>1 1/4° @ 6511'</u>			
<u>1° @ 7228'</u>			

Drilling Contractor AZTEC WELL SERVICING CO.

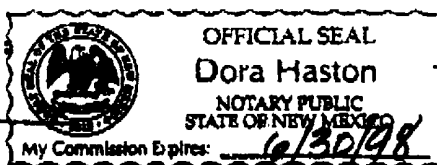
By *[Signature]*

Subscribed and sworn to before me this 15 day of MAY, 19 97

[Signature]
Notary Public

My Commission Expires

6/30/98



SAN JUAN County, NEW MEXICO