

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Union Oil Company of California

3. Address and Telephone No.  
P. O. Box 671—Midland, TX 79702 (915) 685-7607

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FSL & 890' FWL  
Sec. 27, T-27, T27N, R7W

5. Lease Designation and Serial No.  
SF 080385

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Rincon

8. Well Name and No.  
Rincon Unit #203

9. API Well No.  
30-039-20768

10. Field and Pool, or Exploratory Area  
Basin Dakota-Blanco Mesaverde

11. County or Parish, State  
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Attempt DHC w/Mesaverde
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

A Sundry requesting authorization to downhole commingle subject well w/the Blanco Mesaverde was submitted 11-18-97.

Our attempt to produce the Mesaverde perms was unsuccessful. Mesaverde perms were squeezed off—details of our work are on the attached "Well History Report".

**RECEIVED**  
FEB 27 1998

**OIL CON. DIV.**  
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Charlotte Beeson Title Regulatory Clerk

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date FEB 23 1998

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.

\*See Instruction on Reverse Side

**NMOCD**

Well Name: RINGCON RINGCON UNIT-203

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11/25/97 TO COMPLETE THE MESAVERDE & DOWNHOLE COMMINGLE (AFE 129869)  
SPIRIT ENERGY 76'S WI: 5%  
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(FREUND) MIRU FLINT RIG #4022. SITP/SICP 170 PSI. CONDUCTED SAFETY MTG &  
RIG INSPECTION. BLED OFF PRESS. POH W/ 242 JTS (7525.44') 2-3/8" OD 4.7#  
J-55 8RD EUE TBG. LD TBG IN SGLS ON TRAILER & TRUCKED TO LOWERY PIPE RACKS  
FOR TESTING.  
SWI-SDON.

11/26/97 (FREUND) 24 HR SICP 170 PSI. BLED PRESS OFF. PU SCHLUMBERGER 4-1/2" BOBCAT  
RTBP & RIH ON 2-3/8" WS. SET RTBP @ 7245' (231 JTS). REL FROM RTBP & LOADED  
HOLE W/ 115 BBLs 2% KCL WATER. P-TESTED CSG @ 200 PSI/15 MIN, OK. SPTD 10'  
SAND ON TOP RTBP. POH W/ 2-3/8" WS & RET HEAD. RU SCHLUMBERGER WL EQPT &  
RAN CBL 5100-5600'. CBL SHOWS NO CMT TO ISOLATE INTERVAL TO BE STIMULATED.  
RAN GRN 5100-5600'. RD SCHLUMBERGER.  
SWI-SDON.

11/27/97 (FREUND) SD FOR  
THANKSGIVING.

11/28/97 (FREUND) RU SCHLUMBERGER WL EQPT W/ LUBRICATOR. RAN GRN W/ CCL FROM  
5600-4600' (GRN CORRELATED & DEPTH RESET TO OH LOGS). PRESS CSG TO 250 PSI &  
RAN CBL FROM 5600-5300'. NO CHANGE IN CBL FROM PREVIOUS RUN W/O PRESS ON  
CSG. INCREASED CSG PRESS TO 500 PSI & RAN CBL FROM 5600-2800'. NO CHANGE IN  
CBL FROM PREVIOUS RUNS.  
SWI-SDON.

12/2/97 (FREUND) RU SCHLUMBERGER WL EQPT & PERF PT LOOKOUT (MV) W/ ECONOPORT GUN -  
OWEN CHG - 0.37" - 13.5 EHD - 120 DEG PH @ 5336-5348' (2 SPF - 25 HOLES -  
12') & 5352-5360' (2 SPF - 17 HOLES - 8'). NO FL CHANGE & NO EVIDENCE OF MUD  
ON PERF GUNS. RDMO WL TRUCK. PU SCHLUMBERGER 4-1/2" POSITRIEVE PKR. TIH W/  
PKR ON 2-3/8" WS & SPA 5264'. RU DOWELL FRAC EQPT & P-TESTED LINES @ 6000  
PSI. PRESS ANNULUS TO 400 PSI & MONITORED SAME THRUOUT FRAC JOB. LOADED TBG  
W/ 6 BBLs LINK GEL. EIR @ 16 BPM @ 4100 PSI W/ NO BREAKDOWN. PUMPED 41.2  
BBLs GEL - ISIP 150 PSI. SF PT LOOKOUT ZONE 5336-5360' IN 3 STAGES USING 15#  
CROSS LINK GEL: 238 BBL PAD 15# CL @ 14.7 BPM @ 4100 PSI.

10,000# @ 2 PPG 20:40 AZ SD @ 14.7 BPM @ 3800 PSI  
18,000# @ 3 PPG 20:40 AZ SD @ 16.6 BPM @ 4150 PSI  
27,000# @ 4 PPG 20:40 AZ SD @ 15.0 BPM @ 4488 PSI

WELL SCREENED OUT @ 5100 PSI. TOTAL CLEAN H2O - 720 BBLs. TOTAL SLURRY -  
805 BBLs. TOTAL SD - 55,000#. MAX PRESS 5160 PSI, MIN PRESS 3550 PSI, AVG  
PRESS 4000 PSI, AVG IR 15 BPM. RD SF EQPT. UNSEATED PKR & REV CIRC HOLE  
CLEAN W/ INITIAL CIRC PRESS 500 PSI. POH W/ TBG & PKR. PU RET HD & RIH W/  
44 JTS WS.  
SWI-SDON.

12/3/97 (FREUND) SITP & SICP = VACUUM. FIN RIH W/ WS & RET HEAD. STAGED IN HOLE  
UNLOADING HOLE EVERY 750'. STARTED REC'G SAND @ 5267' (70' ABOVE TOP PERF).  
CIRC FRAC FLUID & SAND 4 HRS. POH TO 4500'.  
SWI-SDON.

12/4/97 (FREUND) 12 HR SICP/SITP 300/540 PSI. STAGED IN HOLE W/ WS USING AIR PACK  
TO 6272'. CIRC SAND & WATER. NO SIGNIFICANT HARD SAND BRIDGES BETWEEN BTM  
MV PERFS & 6272'. CIRC HOLE 8 HRS W/ AIR. WELL CONT TO MAKE SMALL VOL WATER  
W/ HVY CONCENTRATION OF FRAC SAND. REC 54 BBLs LOAD WATER. PU TBG WS TO  
5300'.  
SWI-SDON.

12/5/97 (FREUND) 12 HR SICP/SITP = 700/760 PSI. BLED OFF PRESS & RIH W/ WS TO  
6775'. CIRC OUT SAND BRIDGE @ 6148-6272'. POH TO 5268'. REV CIRC W/ AIR  
PACK & FLWD WELL THRU 3/4" CHOKE W/ 400 PSI CP & 130 PSI FTP. WELL FLWG  
WATER W/ HVY CONC SAND & TRC LIGHT OIL @ 7:00 PM. SWI & LEFT FLWG W/  
DRYWATCH OVERNIGHT. REC 70 BLW. TTL BLW REC TO DATE = 294 BBLs = 41% OF TTL  
BLW.

12/6/97 (FREUND) FLWD WELL 15-1/4 HRS ON 3/4" CHOKE FROM 6:30 PM 12/4/97 TO 7:45 AM  
12/5/97. FLWG TP/CP DECLINED FROM 130/310 PSI TO 20/40 PSI AFTER 1ST 4 HRS &  
REMAINED @ 20/40 PSI THRUOUT TEST. SWI 1 HR & PRESS INCREASED TO 200/180  
PSI. RIH W/ WS TO 5400' (40' BELOW PERFS) & CIRC WELL W/ AIR PACK. NO WATER

Well Name: RINCON-RINCON UNIT-203

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OR SAND REC. RIH W/ WS & TAGGED SOLID SAND @ 6754'. POH TO 5300'.  
SWI-SDOWE.

12/9/97

(FREUND) 95 HR SITP/SICP = 900 PSI. BLED OFF WH PRESS - TOOK 30 MIN. RIH W/ 2-3/8" WS W/ RET HEAD FOR RTBP. TAGGED FIRM SAND @ 6724'. INDICATES 30' SAND ENTRY OVER 3 DAY SI PERIOD. RU AIR PACK & UNLOADED WELL. REC 17 BW. ROTATED & CIRC W/ AIR & CIRC FROM 6724-6901'. CIRC WELL CLEAN. REC 3 BW. POH TO 5300'.  
SWI-SDON.

12/10/97

(FREUND) 12 HR SICP/SITP = 700/680 PSI. BLED CFF PRESS. RIH W/ 2-3/8" OD WS TO FIRM SAND @ 6873' (28' FILL/12 HRS). RIGGED AIR PACK & UNLOADED HOLE @ 6870'. REC 7 BW. ROTATED & CIRC SAND FILL FROM 6873-7245' @ T/RTBP. CIRC WELL CLEAN @ 7245' (231 JTS TBG IN HOLE). POH W/ 168 JTS WS TO 5300'.  
SWI-SDON.

12/11/97

(FREUND) 12 HR SICP/SITP = 600/580 PSI. BLED OFF PRESS. POH & LD 2-3/8" OD TBG WS & RTBP RET HEAD. RIH W/ 32 STDS 2-3/8" OD TBG WS & POH LD SAME. MO FLOAT W/ WS & MI FLOAT W/ PROD STRING. RIH W/ 170 JTS (5275.25') 2-3/8" OD 4.7# J-55 8RD EUE TBG + NOTCHED COLLAR & SN (1 JT ABOVE NOTCHED COLLAR). LANDED TBG @ 5288.61'. SWI-SDON.

## 2-3/8" TUBING DETAIL

.50		NOTCHED COLLAR	@ 5,288.51
31.20	1 JT	YELLOW BAND TBG	@ 5,288.01
.76		SEATING NIPPLE	@ 5,256.81
3,878.65	125 JTS	YELLOW BAND TBG	@ 5,256.05
1,365.40	44 JTS	BLUE BAND TBG	@ 1,377.40
12.00		KB-TOP TBG	@ 0
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5,288.51			

12/12/97

(FREUND) 12 HR SICP/SITP = 640 PSI. ND BOP & NJ WH. INSTALL FLOWLINES. ND KILL LINE, FLOW BACK LINES & CIRC PUMP. LD MAST & MO RIG TO RINCON UNIT #168. TEMP OFF REPORT. EST TTL CCST: \$107,338.

1/14/98

TO SQUEEZE MV, RUN CBL & EVALUATE POTENTIAL FOR RE-FRAC

(FREUND) 12 DAY SICP/SITP 1040 PSI. BLED OFF PRESS THRU 2" CHOKE/45 MIN. PRESS STABILIZED @ 35 PSI. ND WH & NU BOP. POH W/ 2-3/8" OD PROD TBG. KILLED WELL 3 TIMES W/ 2% KCL WATER. RIH W/ 4-1/2" OD RTBP RET HEAD ON 2-3/8" OD WS. RAN 50 JTS (1525') & SD FOR DARKNESS.  
SWI-SDON.

1/15/98

(FREUND) 12 HR SICP/SITP = 640 PSI. BLED OFF PRESS TO SAFE WORKING COND. PUMPED 12 BBLs 2% KCL WATER TO CONTROL WELL. RIH W/ WS & TAGGED SAND FILL @ 6650'. RU AIR PACK & CLEANED OUT SAND BRIDGE FROM 6650-6680' (30'). RIH W/ WS & FOUND T/SAND FILL @ 7216'. CLEANED OUT TO T/RTBP @ 7245'. CIRC HOLE CLEAN W/ AIR W/ SOAP SWEEPS. REL RTBP & PU 3 STDS & ENCOUNTERED SAND ENTRY. WORKED RTBP FREE. RESET RTBP @ 7009'. CIRC WELL CLEAN W/ AIR W/ SOAP SWEEPS. POH TO 5266'.  
SWI-SDON.

1/16/98

(FREUND) 12 HR SICP/SITP = 600 PSI. BLED OFF PRESS. TOOK 26 MIN TO BLEED DOWN TO 40 PSI. WELL MAKING HVY GAS. RIH W/ WS & TAGGED T/SAND FILL @ 6984' (15' SAND ENTRY OVERNIGHT). UNLOADED HOLE W/ AIR & CLEANED OUT DOWN TO T/RTBP @ 7009'. CIRC WELL CLEAN W/ 5 BBL SOAP SWEEP. POH W/ 2-3/8" OD WS & HUNG OFF @ 5266'. SI FOR 1 HR FOR SAND ENTRY TEST. RIH W/ WS & FOUND 10' SAND ON T/RTBP. CIRC WELL CLEAN W/ AIR F/B SOAP SWEEPS. POH W/ WS & HUNG OFF @ 5266'. SWI-SDON.

1/17/98

(FREUND) 12 HR SICP/SITP = 600 PSI. BLED OFF PRESS TO SAFE WORKING COND. TOOK 26 MIN. RIH W/ 2-3/8" WS & LOC T/SAND FILL @ 6999' (10' SAND ENTRY OVERNIGHT). CLEANED OUT SAND FILL FROM 6999 TO T/RTBP @ 7009'. REC 2 BLW. CIRC WELL @ 7009' 6 HRS W/ AIR & 3 BBL SOAP SWEEPS EACH HR. LATCHED ONTO RTBP & POH W/O DIFFICULTY.  
SWI-SDON.

1/18/98

(FREUND) 12 HR SICP = 480 PSI. BLED OFF PRESS. RU SCHLUMBERGER WL EQPT. MADE GAUGE RING RUN TO 5450'. RIH W/ SCHLUMBERGER WL SET CIBP & SET @ 5416'.

Well Name: RINGON-RINCON UNIT-203

PU & RIH W/ SCHLUMBERGER CMT RET ON 2-3/8" OD WS & SET @ 5016'. MIRU DOWELL CMT'G EQPT. P-TESTED LINES TO 2000 PSI. PUMPED 10 BW INTO MV PERFS @ 1.5 BPM @ 60 PSI. MIXED & PUMPED 153 SX CL "G" CMT + 0.30% D-156 + 0.10% D-65 @ 14.1 PPG F/B 10 SX CL "G" NEAT MIXED @ 15.6 PPG. LOST PUMP PRIME. PUMPED 2.5 BBLs CMT - CAUGHT PRIME & CMT LOCKED UP & PRESS UP TO 1200 PSI. STUNG OUT OF RET & CIRC 20 BBLs CMT SLURRY TO SURF. OVER DISP W/ 10 BW. ACTUAL CMT SLURRY PUMPED INTO PERFS WAS 19 + 2.5 = 21.5 BBLs. MAX PRESS 1200 PSI, AVG PRESS 750 PSI. POH W/ 2-3/8" OD WS. SWI-SDON. SD ON SUNDAY.

1/20/98 SHUT DOWN, WAITING ON CMT.

1/21/98 (FREUND) 60 HR SIP = 0 PSI. PU (6) 3-1/8" OD DC'S, 3-7/8" OD HUGHES TRI-CONE BIT & X-O SUBS. RIH ON 2-3/8" OD WS. TAGGED T/CMT RET @ 5016'. DRLD CMT RET (3 HRS) & DRLD CMT FROM 5018-5073'. CIRC WELL CLEAN @ 5073'. POH & HUNG TBG OFF @ 500'. SWI-SDON.

1/22/98 (FREUND) 12 HR SICP/SITP = 0 PSI. RIH W/ BIT ON 2-3/8" OD WS & TAGGED T/CMT @ 5073'. DRLD CMT TO 5357'. NO CMT BELOW 5357' (\*). RIH W/ BIT TO 5388' (24' ABOVE CIBP @ 5412'). CIRC WELL CLEAN @ 5388'. SI WELL & PRESS TO 550 PSI. PRESS BLEED OFF TO 440 PSI/30 MIN. POH W/ 2-3/8" OD WS, BIT & DC'S. SWI-SDON.

(\*) NO CMT ACROSS BTM 3' OF PERFS.

1/23/98 (FREUND) 12 HR SICP = 0 PSI. RU SCHLUMBERGER WL EQPT. RIH W/ CMT EVALUATION TOOL. TOOL STOPPED @ 5290'. POH W/ CET (RAN CET FROM 5290' UP TO 3212'). PU 4-1/2" CSG SCRAPER ON 2-3/8" OD WS & RIH TO 5385'. WORKED SCRAPER W/ MULTIPLE PASSES THRU TIGHT SPOT @ 5290'. NO UP OR DOWN DRAG. CIRC WELL & WORKED TBG 45 MIN. REC RUST SCALE, SMALL PCS METAL FROM CMT RET & 6 SMALL BALLS GREEN CMT. CIRC UNTIL RETURNS WERE CLEAN. POH W/ WS & CSG SCRAPER. RIH W/ CET & HIT SAME TIGHT SPOT @ 5290'. SPUDDED TOOL W/ NO SUCCESS. POH W/ CET. SWI-SDON.

1/24/98 (FREUND) 12 HR SICP 0 PSI. RIH W/ 3-7/8" STRING MILL ON 2-3/8" OD WS. HIT TIGHT SPOT W/ STRING MILL @ 5295'. WORKED STRING MILL THRU TIGHT SPOT & RIH TO 5388'. POH TO 5295'. PU POWER SWIVEL & MILLED FROM 5295-5305'. REC APPX 1 CUP STEEL SHAVINGS. CIRC WELL CLEAN. POH W/ STRING MILL & 2-3/8" OD WS. LD STRING MILL & PU NOTCHED COLLAR, 10' PUP JT & SN & RIH W/ 2-3/8" OD TBG TO 5367'. SWBD WELL 3.5 HRS. SWBD FL DOWN TO 2600' & REC 45 BW. SWI-SDON.

1/25/98 (FREUND) 12 HR SICP 0 PSI. RIH W/ SWAB & FOUND FL @ 2900'. SWBD WELL 5.5 HRS & LOWERED FL TO 5225'. REC 17 BW. SWI-SDOS.

1/27/98 (FREUND) 36 HR SICP/SITP = 25/15 PSI. RIH W/ SWAB ASSY & LOCATED FL @ 4950' INDICATING 275' FLUID ENTRY (4 BBLs) OVER 36 HR SI. POH W/ SWAB ASSY. SWI-SDON.

1/28/98 (FREUND) 12 HR SICP/SITP = 15/35 PSI. RIH W/ SWAB ASSY & FOUND FL @ 4900' (50'/0.72 BBLs). POH W/ SWAB ASSY. PU 3-7/8" TRI-CONE BIT & (6) 3-1/8" DC'S. RIH W/ WS & LOC T/CMT @ 5388'. CLEANED OUT CMT & SAND TO T/CIBP @ 5407' W/ AIR & MIST. DRLD OUT CIBP TO 5409' & PUSHED TO 6390'. PLUG STOPPED SOLID @ 6390'. PU WS/BIT TO 6330'. SWI-SDON.

1/29/98 (FREUND) 12 HR SICP 440 PSI. BLEED OFF PRESS & RIH W/ BIT, DC, 2-3/8" OD WS. PUSHED CIBP FROM 6390-7537' & BIT STOPPED SOLID. RU POWER SWIVEL & AIR PACK & DRLD FROM 7537-7544' & ENCOUNTERED EXCESSIVE TORQUE. CIRC WELL CLEAN W/ AIR PACK. POH LD 2-3/8" OD 4.7# N-80 8RD EUE WS & BHA. SLM CONFIRMED TBG MEASUREMENTS & PBTD = 7544'. SWI-SDON.

1/30/98 (FREUND) 12 HR SICP = 410 PSI. BLEED OFF PRESS. PU NOTCHED COLLAR, SN & RIH W/ 2-3/8" OD PROD TBG. LANDED NOTCHED COLLAR @ 7510.05' (SLM). UNLOADED HOLE W/ AIR & REC 1.25 BW. ND BOP & NU WH.

Well Name:

RIG #4022 RINGCONT UNIT 203

RIG

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## 2-3/8" TUBING DETAIL

.41		NOTCHED COLLAR
31.20	1 JT	BLUE BAND TBG
.75		SEATING NIPPLE
2,004.44	65 JTS	BLUE BAND TBG
5,461.25	176 JTS	YELLOW BAND TBG
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7,498.05		TTL TBG (242 JTS)
12.00		BKDB
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7,510.05 FHD

RD AIR PACK, RIG PUMP, FLOW BACK LINES/TANK & RESERVE PIT. LD MAST & REL  
FLINT RIG #4022 @ 4:00 PM 1/29/98. SWI-SDON. REL WELL TO PROD DEPT. OFF  
REPORT. EST TTL COST:  
\$190,539.