

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. Drawer 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

P.O. Box 2088
Santa Fe, New Mexico 87501-2088

RECEIVED

AUG 3 1990

Form C-105
Revised 1-1-89

WELL API NO.	30-039-24561
5. Indicate Type of Lease:	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	E-290-28

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐	7. Lease Name or Unit Agreement Name Rincon Unit
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER ☐	8. Well No. 256
2. Name of Operator Union Oil Company of California	9. Pool name or Wildcat Basin Fruitland Coal
3. Address of Operator P. O. Box 671 - Midland, TX 79702	
4. Well Location Unit Letter <u>N</u> : <u>790</u> Feet From The <u>south</u> Line and <u>1500</u> Feet From The <u>west</u> Line Section <u>16</u> Township <u>27N</u> Range <u>6W</u> NMPM <u>Rio Arriba</u> County	

10. Date Spudded 5-29-90	11. Date T.D. Reached 6-2-90	12. Date Compl. (Ready to Prod.) 6-16-90	13. Elevations (DF & RKB, RT, GR, etc.) 6653' GR	14. Elev. Casinghead
15. Total Depth 3320'	16. Plug Back T.D. 3320'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-3320'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 3167' - 3268' Fruitland Coal				20. Was Directional Survey Made No
21. Type Electric and Other Logs Run FDL - HRL - GR - CBL - CCL				22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	360'	12 1/4"	CL BL 300 sxs	
4 1/2"	11.6#	3320'	7 7/8"	CL H 150 sxs	
(See attached explanation of cmt. work)					

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	3201'	

26. Perforation record (interval, size, and number) 3161-3268' (8 holes) 4SPF (Sqzd) 3167', 3170-73', 3223-26', 3228-30', 3234-36', 3238-53', 3256-68' (176 holes) 4SPF				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 3167-3268' AMOUNT AND KIND MATERIAL USED 38,300 gals 30# BXL ge, 320,000# 20/40 sd, 1.5 MMSCF N ₂	
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28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut-in	
Date of Test 6-20-90	Hours Tested 24	Choke Size 1"	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 628	Water - Bbl. 0	Gas - Oil Ratio -
Flow Tubing Press. 125#	Casing Pressure 310#	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) -	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented during testing	Test Witnessed By Bob Caine
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30. List Attachments

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 <u>Charlotte Beeson</u>	Printed Name <u>Charlotte Beeson</u>	Title <u>Drlg. Clerk</u>	Date <u>8-1-90</u>
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland 3056'	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs 3278'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
3131'	3278'	147	Black Coal

Union Oil Company of California

RINCON UNIT WELL NO. 256

API# 30-039-24561
N-16-27-N-R-6-W
Rio Arriba County

6/26/90 MIRU PU, ND tree & NU BOP. POH w/prod tbg & set 4-1/2" CIBP on WL @ 3130'. P-tstd csg to 1500#, ok. Perfd 2610-14' @ 1 SPF, broke circ to surf. R&S cmt rtnr on 2-3/8" tbg @ 2560'. Pmpd 342 of 700 sxs "B" PCL w/6% gel, .8% CF-1, 1/4# per sx Hi-Seal @ 12.2 - 13.1 ppg @ 3.8 - 1.1 BPM, 1500-3800# & lost rtns. Pmpd 24 of 250 sxs "B" Neat @ 1.1 - 2 BPM, 380#. Tbg press broke 3800-3000# & csg press broke 1500-0. Att to PU f/rtnr. Tbg stuck in rtnr.

6/27 RU Howco WL & ran free pt thru 2-3/8" tbg, set dwn @ 1380'.

6/28 Howco Chem cut 2-3/8" tbg @ 1364' (WLM), POH & rec 1364' tbg. RIH w/ 3-3/4" OS x 2-3/8" grapple & eng fish @ 1380'. Wrkd fish free. Wrkd cmt rtnr stinger thru tight spot @ 1410' & stuck @ 1388'.

6/29 RIH w/3-3/4" drive block & push fish thru collapse @ 1388'. Pushing fish to btm.

6/30 Ran 3-7/8" swage on BHA, work clpsed csg 1387-89'.

7/1 SDOS.

7/2 RIH W/ 3-7/8" smooth OD round nose mill. Dress out 1381-87'. RIH w/ 3-5/8" swage 1388-92'.

7/3 PU 3-1/4" swage. Tag up @ 1394'. Work swage to 1401'. Fell free. Work thru tight spot for 1-3/4 hrs. RIH w/ 3-1/2" swage. Work thru tight spot in 2-1/4 hrs. RIH w/ 3-5/8" swage. Work thru tight spot 1389-1401' in 3 hrs.

7/4 SDOH.

7/5 RIH w/3-3/4" swage. Worked swage from 1389-1393'. Very tight. RIH w/ 3-11/16" swage. Worked thru tight spot 1390-1401' in 1-3/4 hrs.

7/6 RIH W/ 3-11/16" swage. Tag tight csg @ 1393'. Work thru csg 1393-1401' f/3 hrs. RIH w/ 3-3/4" swage on same BHA. Work thru tight csg 1390-1401' f/5 hrs. Very tight.

7/7 Worked 3-3/4" swage 1390-1401' for 4-1/2 hrs. Min drag. TOH. RIH w/ 3-13/16" swage. Worked swage thru tight csg 1389-1401' f/3 hrs, very tight.

7/9 Worked 3-13/16" swage thru tight csg 1389-1401' f/4 hrs. Min drag. RIH w/ 3-7/8" swage on same BHA thru tight csg f/3 hrs. Still very tight.

7/10 Worked thru tight csg f/1389-1401' w/ 3-7/8" swage f/5 hrs w/6-8000# drag last 1-1/2 hr. TOH, PU 2-3/8" EUE 8rd screw-in sub, TIH to 2093', screw into fish, TOH. LD 15 jts cmt plugged tbg & cmt rtnr stinger.

- 7/11 Perf 4-1/2" csg w/ 3-1/8" csg gun w/2 JSPF in 90° phasing f/1260-64' (total 4 holes). Set cmt rtnr @ 1206'. Cmt 4-1/2" x 7-7/8" annulus w/345 sxs Class "B" Neat mixed @ 15.6 ppg @ 3-2-2-1/2 BPM, 300-1000-500 psi. Circ 35 sxs cmt. Closed annulus valve, put away 1-1/2 bbls cmt @ 500-1000 psi, rev tbg clean. TOH.
- 7/12 TIH w/ 3-7/8" bit, 10 3-1/8" DC's on 2-3/8" tbg. Drld cmt f/1201-1206', drld cmt rtnr @ 1206'. Drld hard cmt 1206-1264' (btm sqz perf). Tst csg to 1000 psi, bled to 800 psi in 3 min, 350 psi in 15 min. TOH.
- 7/13 RIH w/Baker 4-1/2" fullbore pkr & set @ 1278' (between sqz perfs & swaged area). Press tstd to 1000 psi. Swaged area bled to 800 psi in 2 min & held 800 psi. Sqz perfs bled to 700 psi in 1 min. Lowered pkr to 1468' (below swaged area) & tstd to 1000 psi, ok. Re-set pkr @ 1247' (above sqzd perfs), tstd csg to 1000 psi, ok.
- 7/17 PU 3-7/8" cutrite string mill & RIH. Tag up @ 1383'. Milled f/1383-1393', 10' in 7-1/2 hrs. Fell free. Worked thru tight spot 1383-93' for 2-1/2 hrs. Still torqueing thru tight csg.
- 7/18 RIH w/rebuilt 3-7/8" cutrite string mill on same BHA. Worked thru bad csg 1383-1393' f/4 hrs. No measurable torque. Rec'd small amts cmt. TOH. RIH w/Baker 4-1/2" "FB" pkr on 2-3/8" tbg. Set pkr @ 1278'. Press csg below pkr to 1350# (1) 1200# (5) 910# (10) 720# (15) 600#. Rel press. TOH w/pkr.
- 7/19 Apollo ran 40 ARM Caliper log f/1610-1000'. Log indic 100% metal loss f/1375-1388' (poss split csg) w/min metal loss 1388-1392'.
- 7/21 RIH w/Baker RBP on 2-3/8" tbg, set @ 1354'. RIH w/tbg OE'd. Spot 50 sxs (10.5) bbls Class "B" cmt w/4/10% Halad 344 + .75% CFR-3 mixed @ 15.6 ppg f/1372-695'. Sqzd perfs 1260-64' w/2.8 sxs cmt @ 1500 psi. TOH. Press csg to 1500 psi, SWI.
- 7/22 RIH w/ 3-7/8" bit. Tag TOC @ 1088'. Drld 186' cmt f/1088-1274'/4 hrs. Tstd sqz perfs 1260-64' to 1500 psi, held 15 min, ok. TOH. RIH w/ret hd. Latch onto RBP. TOH w/RBP.
- 7/24 PU 30' Howco csg patch on 2-3/8" tbg. TIH to 1397'. Set csg patch f/1397-1367'. Tst csg patch to 1000 psi. Bled to 800 in 2 min.
- 7/25 FIH. TOH, LD csg patch setting tool, tst csg to 1000 psi f/30 min, ok. Tst witnessed by Charles Gholson, NM Oil Conservation Div. PU 3-1/2" mill, 10 3-1/8" DC's on 2-3/8" tbg. TIH to 2560', drld cmt rtnr in 5 hrs. Drld cmt f/2561-2585'. Circ hole clean.
- 7/26 Drld hard cmt f/2585-2616'. Circ hole clean. Tst csg & sqz perfs 2610-14' f/15 min @ 1000 psi, ok. TIH to 3130'. Drld CIBP @ 3130' in 2-1/2 hrs. TIH to 3320' ETD. POH, R&L 101 jts (3189') 2-3/8" 4.7# J-55 EUE 8rd tbg @ 3201' w/SN @ 3200'. ND BOP, NU tree. Swbd 8 BW in 2 runs, F-lvl 1000'-surf. Flwd well to pit on 48/64" chk w/heavy mist f/2 hrs, light mist f/4 hrs. FTP - TSTM, CP 235 psi. Recv'd est 40 BW in 14 hrs.
- 7/27 Flwd well to pit f/3 hrs on 48/64" chk, FTP - TSTM, CP 225 psi. OFF REPORT.