STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

CONFIDENTIAL

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.:

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

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7. Unit Agreement Name:
8. Farm or Lease Name: South Culebra Bluff 23
9. Well No.: 1
10. Field and Pool, or Wildcat: E. Loving ~~Undesignated~~ Delaware

2. Name of Operator: Reading & Bates Petroleum Co.
3. Address of Operator: 2412 N. Grandview, Suite 201, Odessa, Texas 79761
4. Location of Well: UNIT LETTER K LOCATED 1830 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 23 TWP. 23S RGE. 28E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
1-4-88	1-21-88	3-9-88	3010.1 DF, 3011.5 RT, 2999.3 GR	2999'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6560'	6304'	--	→	6560'	--

24. Producing Interval(s), of this completion — Top, Bottom, Name: 6210'-6196' Delaware
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: GR-Caliper, DLL, MSFL, GR-CNL-FDC, CR Long Spacing Sonic
27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	527.88'	12-1/4"	447 sacks	None
5-1/2"	17#	6560'	7-7/8"	1578 sacks	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	6030'	Baker Model R at 6023'

31. Perforation Record (Interval, size and number)

6335-6359' 72 holes, Set CIBP @ 6320', dumped 2 sx cement, plugged off
6196-6210' 46 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
*6335-6359'	5000 gals Acid, Fraced w/ 20790
*Plugged off	gals gel+5460 CO_2 & 21000# sand
6196-6210'	Acid 2800 gals 15% HCL. Fraced
	w/ 18000 gals Mini-Max 3+6000
	gals CO_2 & 41500# 20/40 sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3-9-88	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
3-10-88	24	12/64"		160	225	117	1406

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
890#	0#		--	--	--	40.4°

34. Disposition of Gas (Sold, used for fuel, vented, etc.): El Paso (gatherer), Gas Mark (purchaser)
Test Witnessed By: Jim Ward, Production Forem.
35. List of Attachments: Deviation Survey, Electrical logs
36. 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.

SIGNED [signature] TITLE Area Superintendent DATE 3-14-88

...CTIONS

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 30 through 34 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	540	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	2375	T. Atoka		T. Pictured Cliffs		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 Qtzte	
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. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	2585	T. Entrada		T.	
T. Abo		T. Bone Springs	6217	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. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, 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. .....

No. 4, from ..... to ..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	500	500	Sand and Gravel				
500	1296	796	Salt and Rock				
1296	1705	409	Salt & Sand				
1705	2099	394	Anhydrite				
2099	2465	366	Anhydrite & Sand				
2465	4391	1926	Sand, Shale & Dolomite				
4391	4810	419	Shale				
4810	5978	1168	Sand & Shale				
5978	6539	561	Sand, Shale & Lime				
6539	6560	21	Lime & Shale				