

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCO
JAN 30 2014
RECEIVED

WELL API NO. 30-005-00820	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Rock Queen Unit	
8. Well Number 19	
9. OGRID Number 247128	
10. Pool name or Wildcat Caprock; Queen	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Step Rate Test ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/23/13 - 48 hour SITP 720 psi. RIH, set tools at 3035', perfs at 3058'-3072'. Pumped a total of 470 bbls PW up to 3.05 BPM, surface tubing pressure 1675 psi, casing pressure 0 psi, temperature at tool 88.99 deg, surface temperature 66.31 deg. See attached reports. Return well back to water injection.

☐

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Lisa Hunt

TITLE Regulatory Analyst

DATE 12/11/2013

Type or print name Lisa Hunt

E-mail address: lhunt@celeroenergy.com

PHONE: (432)686-1883

For State Use Only

Accepted for Record Only

APPROVED BY:

TITLE

DATE

02/03/2014

Conditions of Approval (if any):

FEB 03 2014

CELERO

ROCK QUEEN # 19

October 23, 2013

JOB INFORMATION SHEET

Company Information	
Company Name:	CELERO
Address:	400 WEST ILLINOIS, SUITE 1601 MIDLAND, TX 79701
Well Information	
Well Name:	ROCK QUEEN # 19
Field – Pool:	CAPROCK
Status:	INJECTING
Test Information	
Type of Test:	STEP-RATE TEST
Gauge Depth:	3035 ft
Production Interval:	3058'-3072'
Production Through:	TUBING
Tubing Pressure:	1675 PSI
Casing Pressure:	0 psi
Shut In Time	2:20 PM
Status:	INJECTING
Temperature @ Run Depth	88.99 degF
Surface Temperature:	66.31 degF
Comments	
POSSIBLE SOFT FRAC POINT @ 4104 B/D SURFACE PRESSURE @ 1550 PSI BH PRESSURE @ 2614 PSI	

GRAY WIRELINE

CELERO

WELL INFORMATION SHEET

Well:	ROCK QUEEN # 19	Unique Well Identifier:	30-005-00820
Well License:			
Company:	CELERO		
Field	CAPROCK		

Location:	County:	CHAVES
Formation:	State:	NM
Purpose:	Country:	USA

Total Depth:	3085'	ID Borehole:	N/A
Packer Depth:	3006'	ID Production Casing:	3.5"
Depth of whipstock:	2870'	OD Production Tubing:	2.375"
Depth at which casing is landed:	3077'	ID Production Tubing:	2"
Depth at which tubing is landed:	3006'	ID Drill Pipe:	N/A

GRAY WIRELINE

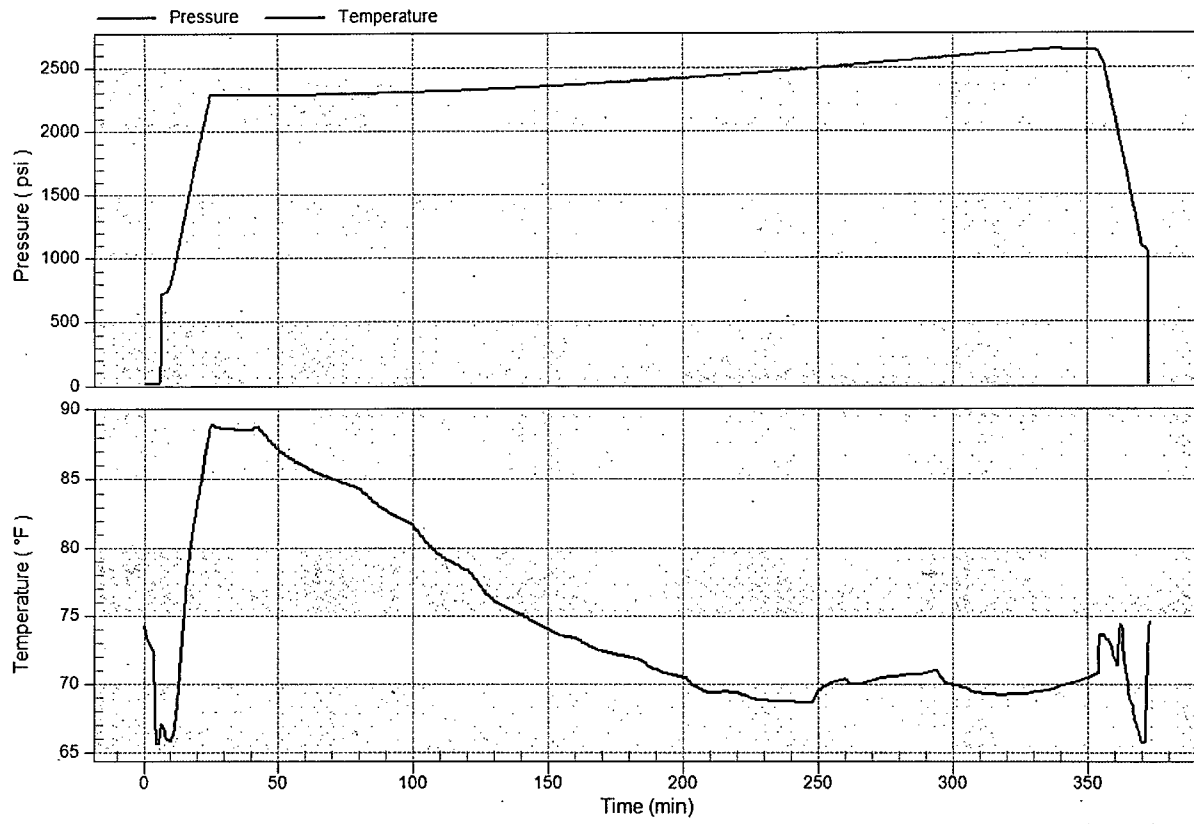
Gradient Data Report

CELERO
ROCK QUEEN # 19

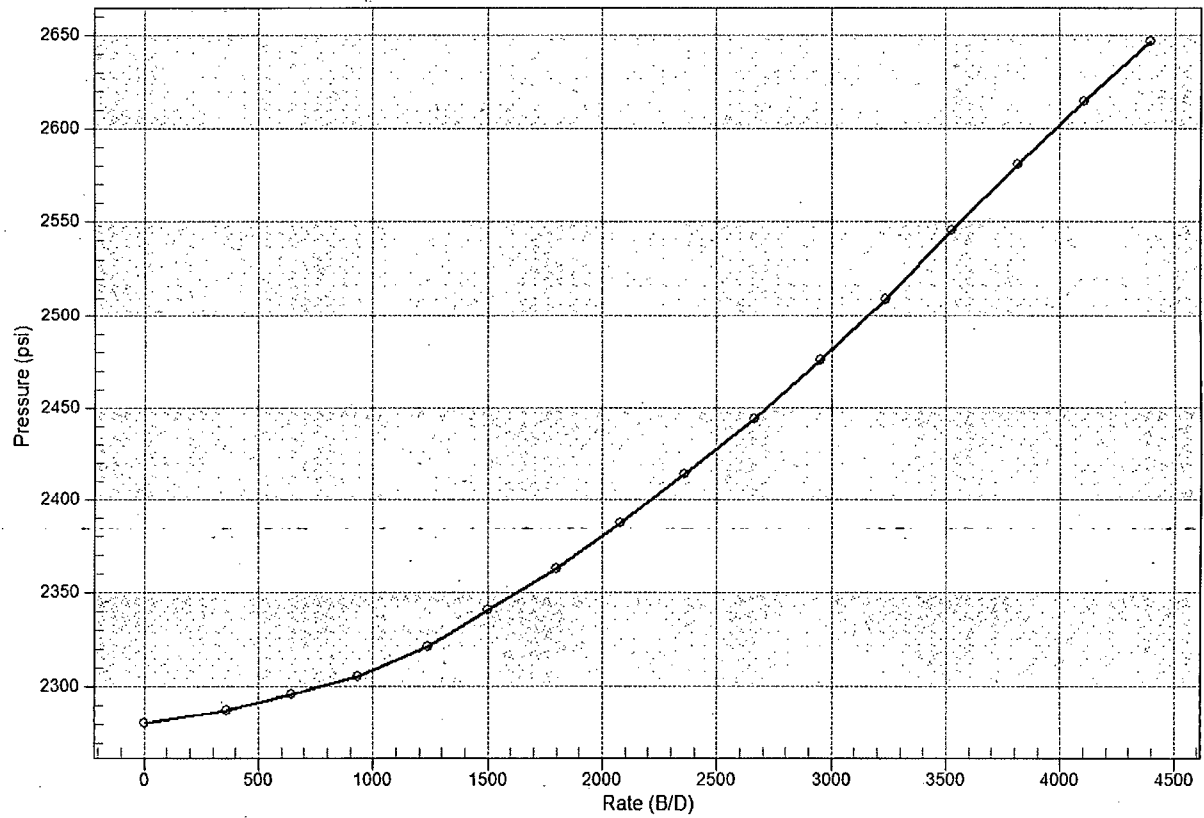
Gradient Data Table

Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	2280.96	88.61	0.0000
360.00	2287.86	85.99	0.0192
648.00	2295.94	84.38	0.0280
936.00	2305.77	81.72	0.0341
1238.00	2321.24	78.38	0.0512
1502.00	2340.75	75.14	0.0739
1800.00	2362.78	73.39	0.0739
2080.00	2387.42	72.01	0.0880
2361.00	2413.66	70.51	0.0934
2664.00	2443.70	69.36	0.0992
2952.00	2475.56	68.73	0.1106
3240.00	2509.13	70.33	0.1166
3528.00	2545.66	70.60	0.1268
3816.00	2581.05	69.94	0.1229
4104.00	2614.54	69.24	0.1193
4392.00	2646.73	69.83	0.1016

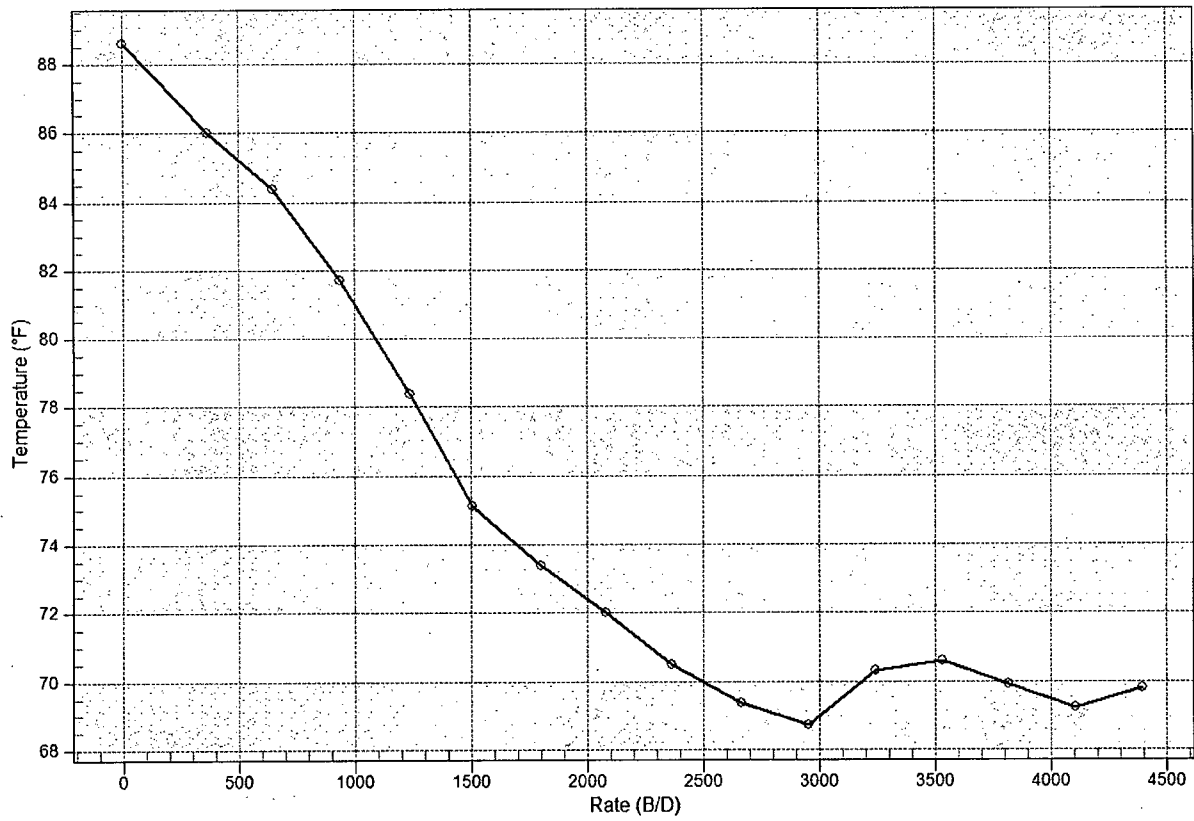
ROCK QUEEN # 19



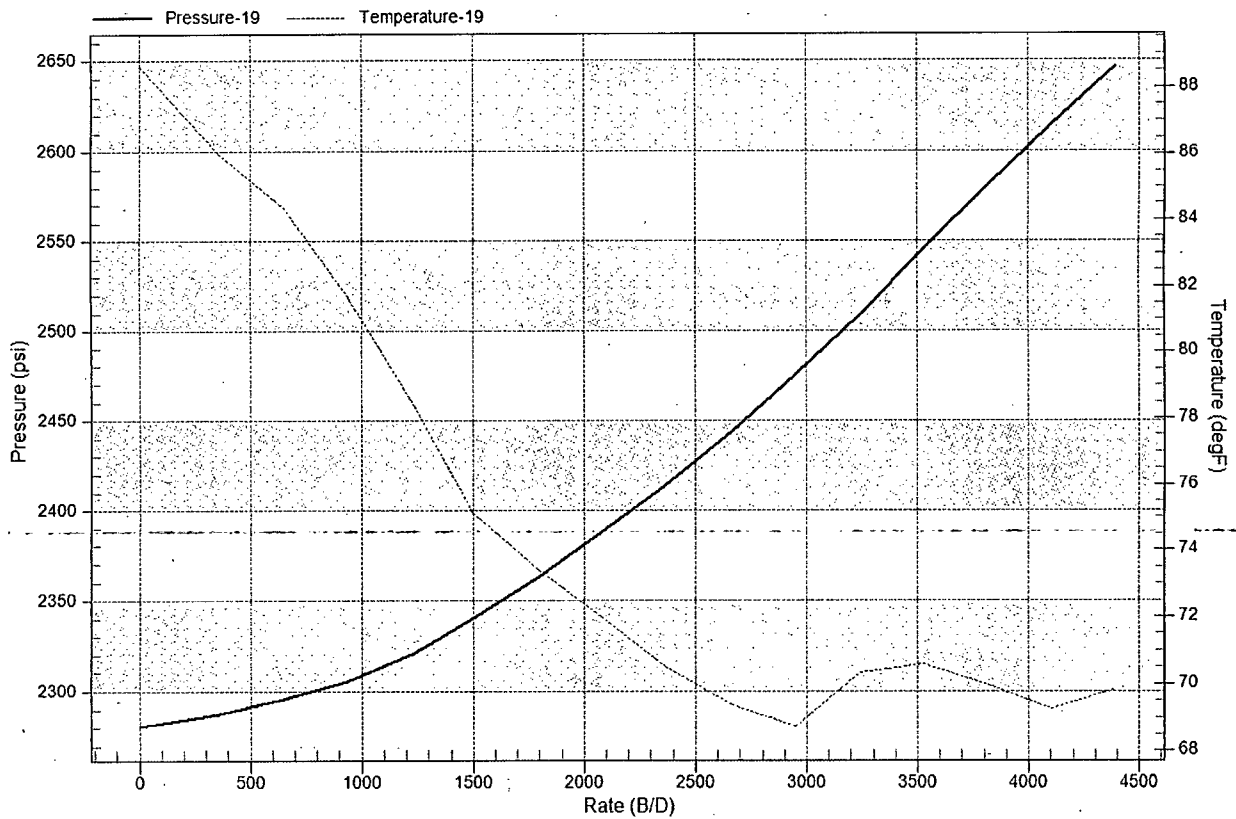
Pressure vs. Rate



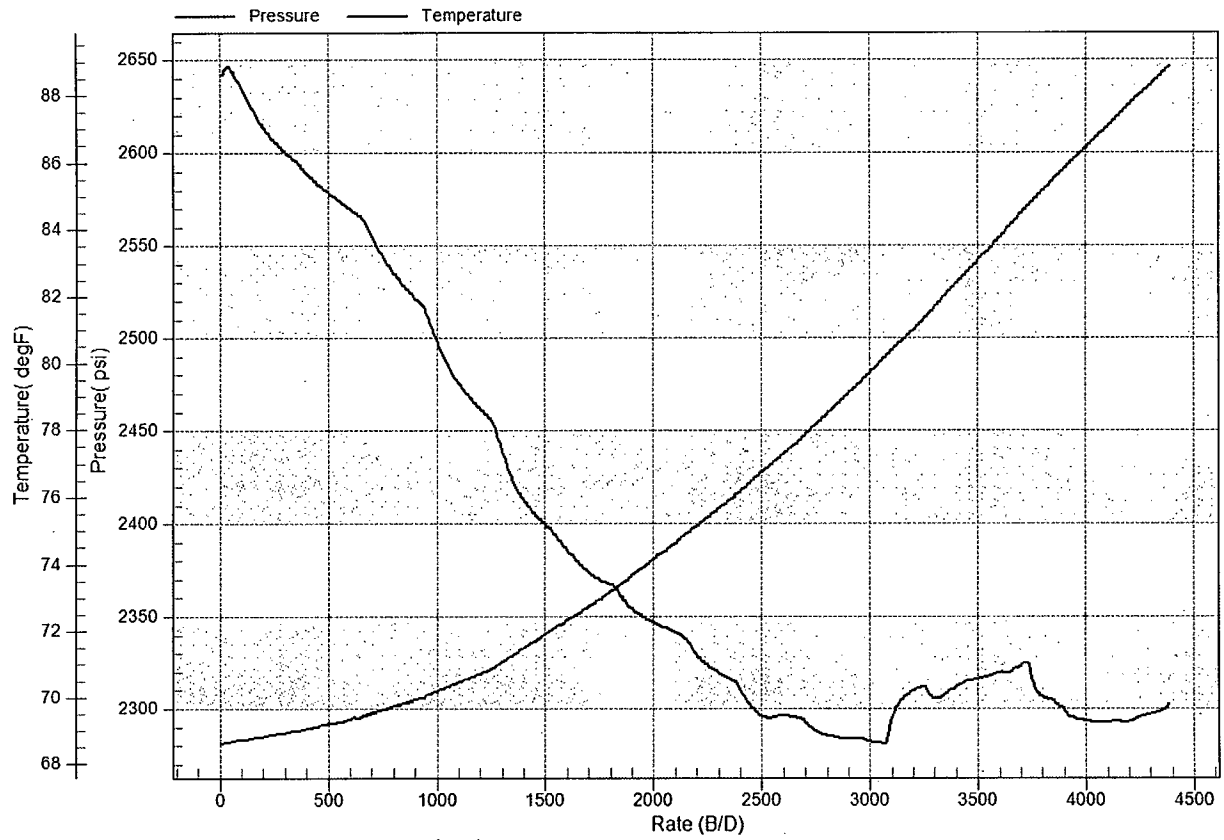
Temperature vs. Rate



Pres/Temp vs Rate



Pressure Log





STEP RATE TEST

graywsi2@aol.com

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	10/23/2013	9:20 AM	2280	720	
360	10/23/2013	9:40 AM	2287	740	
648	10/23/2013	10:00 AM	2295	770	
936	10/23/2013	10:20 AM	2305	790	
1238	10/23/2013	10:40 AM	2321	825	
1512	10/23/2013	11:00 AM	2340	880	
1800	10/23/2013	11:20 AM	2362	925	
2080	10/23/2013	11:40 AM	2387	975	
2362	10/23/2013	12:00 PM	2413	1015	
2664	10/23/2013	12:20 PM	2443	1100	
2952	10/23/2013	12:40 PM	2475	1190	
3240	10/23/2013	1:00 PM	2509	1250	
3528	10/23/2013	1:20 PM	2545	1375	
3816	10/23/2013	1:40 PM	2581	1450	
4104	10/23/2013	2:00 PM	2614	1550	SOFT FRAC
4392	10/23/2013	2:20 PM	2646	1675	
15 MIN FALLOFF	10/23/2013	2:35 PM	2635	1080	
Company: CELERO				Recorded By:	T. STANCZAK
Well: ROCK QUEEN # 19				Witnessed By:	WAUHOB
Field: CAPROCK				Truck Number:	104
County: CHAVES				District:	LEVELLAND
State: NEW MEXICO				Tool Number:	
Injection: WATER				Test Type:	STEP RATE TESTS
Shut In Time: 2:20 PM				POSSIBLE SOFT FRAC POINT @ 4104 B/D SURF. PRESS @ 1550 PSI BH PRESS @ 2614 PSI	
Total Shut In Time: 15 MIN.					
Tubing Size: 2 3/8					
Perforations: 3058'-3072'					

RATE VS. PRESSURE

