

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised May 08, 2003

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

WELL API NO. 30-015-33055
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 33039
7. Lease Name or Unit Agreement Name State 1624
8. Well Number 291
9. OGRID Number 218885
10. Pool name or Wildcat Cottonwood Creek; Abo Gas

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	RECEIVED APR 16 2004 OED-ARTESIA
2. Name of Operator Perenco LLC	
3. Address of Operator 6 Desta Dr., Suite 6800 Midland, TX 79705	
4. Well Location Unit Letter C : 660 feet from the North line and 1980 feet from the West line Section 29 Township 16S Range 24E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3699' GR	

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 COMPLETION ☐ OTHER: ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☐ OTHER: Drill and acidize horizontal lateral ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

03/30/04 - 04/04/04

- 1) Drilled horizontal lateral to 7305' MD. (Directional survey attached)
- 2) RIH with 80 jts perforated 4-1/2" 11.36# P-110 HDL liner.
Liner hanger on packer set at 3928'. End of liner at 7140'.

04/14/04

Acidized horizontal lateral with 58,540 gallons 15% NEFE HCl acid. Flushed acid with 9240 gallons 2% KCl water.
Average injection rate: 118 bbl/min Average pressure: 3300 psi
Maximum rate: 120 bbl/min Maximum pressure: 3650 psi
ISIP: 700 psi 5 min: 677 psi 10 min: 662 psi 15 min: 655 psi.

Fluid to recover: 1632 bbls

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

SIGNATURE Robin S. McCarley TITLE Engineering Technician DATE 4/15/04

Type or print name Robin S. McCarley Telephone No. (432) 682-8553

(This space for State use)

APPROVED BY FOR RECORDS ONLY TITLE DATE MAY 04 2004

Conditions of approval, if any:



SURVEY CALCULATION PROGRAM

DIRECTIONAL DRILLING CONTRACTORS, LLC.

91.00.02

OPERATOR:	PERENCO, LLC.	Supervisors:	
WELL:	STATE TRACT 1624 #291	KENNY GOERGE	
LOCATION:	EDDY COUNTY, NEW MEXICO	CHRIS HAYES	
JOB NUMBER:	MDR-4081		
COMMENTS:			
TIE IN WITH GYRODATE GYRO SURVEYS		MAG DEC. (-/+)	9.13
		GRID CORR. (-/+)	0.14
		TOTAL CORR. (-/+)	9.27

DATE: 03/29/04

TIME: 6:09 AM

GRID TO TRUE



MINIMUM CURVATURE CALCULATIONS(SPE-3382)

PROPOSED DIRECTION

180.0

 TARGET TRACKING
TO CENTER

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)
TIE	3996	0.9	74.9	3995.9	-0.5	0.5	16.9		319.7	-16.9
1	4074	9.9	168.2	4073.5	6.0	-6.0	18.9	12.8	242.1	-18.9
2	4106	15.9	171.4	4104.7	13.0	-13.0	20.1	18.9	211.0	-20.1
3	4138	23.0	172.8	4134.9	23.5	-23.5	21.5	22.2	181.0	-21.5
4	4170	30.6	175.5	4163.4	37.9	-37.9	23.0	24.0	152.6	-23.0
5	4203	37.5	178.1	4190.7	56.3	-56.3	24.0	21.4	125.5	-24.0
6	4235	39.2	177.5	4215.8	76.2	-76.2	24.7	5.4	100.6	-24.7
7	4267	44.4	176.8	4239.7	97.5	-97.5	25.8	16.3	77.0	-25.8
8	4299	51.1	176.3	4261.2	121.1	-121.1	27.2	21.0	55.8	-27.2
9	4331	58.7	177.2	4279.6	147.2	-147.2	28.7	23.9	37.7	-28.7
BIT	4370	68.0	178.4	4297.0	182.0	-182.0	30.0	24.0	20.6	-30.0

DDC SURVEY CALCULATION PROGRAM V1.00.02											
OPERATOR:		PERENCO, LLC.				Supervisors:					
WELL:		STATE TRACT 1624 #291				KENNY GOERGE					
LOCATION:		EDDY COUNTY, NEW MEXICO				CHRIS HAYES					
JOB NUMBER:		MDR-4061									
COMMENTS:											
TIE IN WITH GYRODATE GYRO SURVEYS						MAG DEC. (+)		9.13			
						GRID CORR. (+)		0.14			
						TOTAL CORR. (+)		9.27			
DATE: 03/30/04				TIME: 5:34 AM		GRID TO TRUE		▼			
MINIMUM CURVATURE CALCULATIONS(SPE-3302)						PROPOSED DIRECTION		180.0		TARGET TRACKING TO CENTER	
SVY NUM	MD	INC	TRUE AZM	TVD	SEGT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	
8	4299	51.1	176.3	4261.2	121.1	-121.1	27.2	21.0	55.8	-27.2	
9	4331	58.7	177.2	4279.6	147.2	-147.2	28.7	23.9	37.7	-28.7	
10	4363	66.1	180.1	4294.4	175.5	-175.5	29.3	24.5	23.2	-29.3	
11	4394	72.7	183.9	4305.3	204.5	-204.5	28.3	24.2	12.6	-28.3	
12	4426	78.9	184.8	4313.1	235.4	-235.4	25.9	19.6	5.1	-25.9	
12	4458	86.4	186.5	4317.2	267.0	-267.0	22.8	24.0	1.4	-22.8	
13	4490	87.2	186.0	4319.0	298.7	-298.7	19.3	2.9	0.0	-19.3	
14	4521	86.6	185.7	4320.7	329.5	-329.5	16.2	2.2	-1.4	-16.2	
15	4553	89.9	186.1	4321.7	361.4	-361.4	12.9	10.4	-2.0	-12.9	
16	4585	91.1	187.3	4321.4	393.1	-393.1	9.2	5.3	-1.3	-9.2	
17	4649	89.6	185.7	4321.0	456.7	-456.7	1.9	3.4	-0.2	-1.9	
18	4681	91.7	187.7	4320.6	488.5	-488.5	-1.8	9.1	0.5	1.8	
19	4743	87.7	184.6	4320.9	550.1	-550.1	-8.4	8.2	0.9	8.4	
20	4806	87.7	183.7	4323.5	612.9	-612.9	-13.0	1.4	-0.9	13.0	
21	4870	89.6	182.3	4325.0	676.8	-676.8	-16.4	3.7	-1.7	16.4	
22	4933	90.4	183.2	4325.0	739.7	-739.7	-19.4	1.9	-1.0	19.4	
BIT	5005	89.5	181.0	4325.0	811.7	-811.7	-22.0	3.3	-0.3	22.0	



SURVEY CALCULATION PROGRAM

DIRECTIONAL DRILLING CONTRACTORS, LLC.

v1.00.02

OPERATOR:	PERENCO, LLC.	Supervisors:	
WELL:	STATE TRACT 1624 #291	KENNY GOERGE	
LOCATION:	EDDY COUNTY, NEW MEXICO	CHRIS HAYES	
JOB NUMBER:	MDR-4061		
COMMENTS:			
TIE IN WITH GYRODATE GYRO SURVEYS			
		MAG DEC. (-/+)	9.13
		GRID CORR. (-/+)	0.14
		TOTAL CORR. (-/+)	9.27

DATE: 03/31/04

TIME: 5:21 AM

GRID TO TRUE

MINIMUM CURVATURE CALCULATIONS(SPE-3382)

PROPOSED DIRECTION

180.0

 TARGET TRACKING
TO CENTER

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)
22	4870	89.6	182.3	4325.0	676.8	-676.8	-16.4	3.7	-1.7	16.4
23	4933	90.4	183.2	4325.0	739.7	-739.7	-19.4	1.9	-1.0	19.4
24	4998	89.4	181.0	4325.1	804.7	-804.7	-21.8	3.7	-0.4	21.8
25	5062	89.6	181.0	4325.7	868.7	-868.7	-22.9	0.3	-0.2	22.9
26	5126	89.0	181.4	4326.4	932.6	-932.6	-24.2	1.1	-0.3	24.2
27	5190	87.3	180.5	4328.5	996.6	-996.6	-25.3	3.0	-1.6	25.3
28	5254	88.7	181.5	4330.7	1060.5	-1060.5	-26.4	2.7	-3.1	26.4
29	5318	90.5	180.8	4331.2	1124.5	-1124.5	-27.7	3.0	-2.8	27.7
30	5382	89.9	179.6	4331.0	1188.5	-1188.5	-27.9	2.1	-1.9	27.9
31	5446	90.2	179.6	4330.9	1252.5	-1252.5	-27.5	0.5	-1.1	27.5
32	5510	89.8	178.4	4330.9	1316.5	-1316.5	-26.3	2.0	-0.4	26.3
33	5574	89.7	177.3	4331.2	1380.5	-1380.5	-23.9	1.7	0.1	23.9
34	5638	89.7	176.3	4331.5	1444.4	-1444.4	-20.4	1.6	0.4	20.4
35	5701	88.8	176.8	4332.3	1507.2	-1507.2	-16.6	1.6	0.3	16.6
36	5765	90.2	179.1	4332.9	1571.2	-1571.2	-14.3	4.2	0.5	14.3
BIT	5850	90.0	179.0	4332.8	1656.2	-1656.2	-12.9	0.3	1.6	12.9

DDC SURVEY CALCULATION PROGRAM											
DIRECTIONAL DRILLING CONTRACTORS, LLC. v1.09.02											
OPERATOR:		PERENCO, LLC.				Supervisors:					
WELL:		STATE TRACT 1624 #201				KENNY GOERGE					
LOCATION:		EDDY COUNTY, NEW MEXICO				CHRIS HAYES					
JOB NUMBER:		MDR-4061									
COMMENTS:											
TIE IN WITH GYRODATE GYRO SURVEYS						MAG DEC. (+/-)		9.13			
						GRID CORR. (+/-)		0.14			
						TOTAL CORR. (+/-)		9.27			
DATE: 04/01/04				TIME: 5:56 AM		GRID TO TRUE		▼			
MINIMUM CURVATURE CALCULATIONS(SPE-3362)						PROPOSED DIRECTION		180.0		TARGET TRACKING TO CENTER	
SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	
32	5510	89.8	178.4	4330.9	1316.5	-1316.5	-26.3	2.0	-0.4	26.3	
33	5574	89.7	177.3	4331.2	1380.5	-1380.5	-23.9	1.7	0.1	23.9	
34	5638	89.7	176.3	4331.5	1444.4	-1444.4	-20.4	1.6	0.4	20.4	
35	5701	88.8	176.8	4332.3	1507.2	-1507.2	-16.6	1.6	0.3	16.6	
36	5765	90.2	179.1	4332.9	1571.2	-1571.2	-14.3	4.2	0.5	14.3	
37	5830	89.1	177.0	4333.3	1636.1	-1636.1	-12.1	3.6	0.8	12.1	
38	5894	89.4	177.0	4334.1	1700.0	-1700.0	-8.7	0.5	0.7	8.7	
39	5958	88.7	176.4	4335.2	1763.9	-1763.9	-5.0	1.4	0.4	5.0	
40	6022	90.0	178.3	4335.9	1827.9	-1827.9	-2.1	3.6	0.4	2.1	
41	6086	90.8	177.8	4335.5	1891.8	-1891.8	0.1	1.5	1.6	-0.1	
42	6150	88.7	175.7	4335.8	1955.7	-1955.7	3.7	4.6	2.0	-3.7	
43	6213	90.2	178.6	4336.4	2018.6	-2018.6	6.9	5.2	2.1	-6.9	
44	6277	89.9	177.7	4336.3	2082.6	-2082.6	8.9	1.5	2.9	-8.9	
45	6341	88.3	179.6	4337.3	2146.6	-2146.6	10.4	3.9	2.6	-10.4	
46	6405	89.0	178.6	4338.8	2210.5	-2210.5	11.4	1.9	1.8	-11.4	
47	6469	89.0	178.6	4339.9	2274.5	-2274.5	13.0	0.0	1.4	-13.0	
48	6532	88.6	176.6	4341.3	2337.4	-2337.4	15.6	3.2	0.8	-15.6	
49	6596	90.2	179.7	4341.9	2401.4	-2401.4	17.7	5.5	0.9	-17.7	
BIT	6655	90.0	180.0	4341.8	2460.4	-2460.4	17.9	0.6	1.7	-17.9	

 <b style="font-size: 1.2em; margin-left: 10px;">SURVEY CALCULATION PROGRAM										
DIRECTIONAL DRILLING CONTRACTORS, LLC. V1.00.02										
OPERATOR:		PERENCO, LLC.				Supervisors:				
WELL:		STATE TRACT 1624 #291				KENNY GOERGE				
LOCATION:		EDDY COUNTY, NEW MEXICO				CHRIS HAYES				
JOB NUMBER:		MDR-4061								
COMMENTS:										
TIE IN WITH GYRODATE GYRO SURVEYS						MAG DEC. (-/+)		9.13		
						GRID CORR. (-/+)		0.14		
						TOTAL CORR. (-/+)		9.27		
DATE: 04/03/04				TIME: 4:31 AM		GRID TO TRUE		▼		
MINIMUM CURVATURE CALCULATIONS(SPE-3382)						PROPOSED DIRECTION 180.0		TARGET TRACKING TO CENTER		
SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)
45	6341	88.3	179.6	4337.3	2148.6	-2146.6	10.4	3.9	2.6	-10.4
46	6405	89.0	178.6	4338.8	2210.5	-2210.5	11.4	1.9	1.8	-11.4
47	6469	89.0	178.6	4339.9	2274.5	-2274.5	13.0	0.0	1.4	-13.0
48	6532	88.6	176.6	4341.3	2337.4	-2337.4	15.6	3.2	0.8	-15.6
49	6596	90.2	179.7	4341.9	2401.4	-2401.4	17.7	5.5	0.9	-17.7
50	6664	91.0	181.1	4341.2	2469.4	-2469.4	17.2	2.4	2.4	-17.2
51	6728	89.4	180.0	4341.0	2533.4	-2533.4	16.6	3.0	3.3	-16.6
52	6792	89.9	179.7	4341.4	2597.4	-2597.4	16.8	0.9	3.7	-16.8
53	6856	90.0	178.2	4341.4	2661.4	-2661.4	18.0	2.3	4.3	-18.0
54	6917	89.8	178.1	4341.5	2722.3	-2722.3	19.9	0.4	4.9	-19.9
55	6981	88.3	179.3	4342.6	2786.3	-2786.3	21.4	3.0	4.6	-21.4
56	7044	88.5	179.9	4344.4	2849.3	-2849.3	21.8	1.0	3.5	-21.8
57	7108	88.5	178.6	4346.0	2913.2	-2913.2	22.7	2.0	2.6	-22.7
58	7172	90.3	181.1	4346.7	2977.2	-2977.2	22.8	4.8	2.6	-22.8
59	7235	89.1	182.4	4347.0	3040.2	-3040.2	20.9	2.8	3.0	-20.9
BIT	7305	89.1	182.4	4348.1	3110.1	-3110.1	18.0	0.0	2.7	-18.0