

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
June 19, 2008

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

WELL API NO. 30-015-38600
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name EAGLE 4 STATE COM
8. Well Number #2H
9. OGRID Number 255333
10. Pool name or Wildcat: Willow Lake, Delaware, SW (96855)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2998' GL

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

2. Name of Operator

LIME ROCK RESOURCES A, L.P.

3. Address of Operator

c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

4. Well Location

Unit Letter H : 1700 feet from the NORTH line and 150 feet from the EAST line
Section 4 Township 25-S Range 28-E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
2998' GL

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: Spud & Surface & Production Casings ☒

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.

Spud well on 4/19/11. Drilled 12-1/4" hole to 600'. Landed 9-5/8" 36# J-55 csg @ 600'. Cmted lead w/245 sx (458 cf) "C" cmt w/4% gel, 5% CaCl2, & 1/4% R38. Tailed w/110 sx (149 cf) "C" cmt w/2% CaCl2. Circ 128 sx to surface. On 4/21/11, PT 8-5/8" csg to 600 psi for 30 min - OK.

Drilled 8-3/4" hole to MD4948' on 4/28/11. On 4/29/11, landed 7" 23# N-80 csg @ MD4943'. Cmted lead w/250 sx (523 cf) 35/65 poz C cmt w/0.125#/sx pe-flake, 5% salt, 0.5% Halad-9, & 1/4% R-38. Tailed w/250 sx (333 cf) "C" cmt w/0.2% C-12, & 1/4% R-38. Did not circ cmt. TOC @ 1440'. Plan to pressure test the 7" csg before completion operations.

Drilled 6-1/8" lateral hole to MD9343'. On 5/16/11, landed 4-1/2" 11.6# N-80 liner @ 9300' w/liner hanger @ 4792' & 20 ECP pkrs @ 8922', 8747', 8574', 8403', 8195', 8024', 7848', 7633', 7460', 7289', 7115', 6898', 6726', 6552', 6381', 6166', 5913', 5659', 5406', 4999' & 20 frac sleeves @ 9138', 8832', 8657', 8487', 8279', 8108', 7932', 7717', 7544', 7372', 7201', 6984', 6812', 6638', 6463', 6250', 6039', 5784', 5532', 5200'. Released drilling rig on 5/17/11. Plan to pressure test the 4-1/2" csg before completion operations.

Spud Date: 4/19/11

Drilling Rig Release Date: 5/17/11

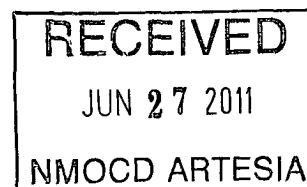
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 6/24/11

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573
For State Use Only

APPROVED BY: David Gray TITLE Field Supervisor DATE 7-5-11

Conditions of Approval (if any):

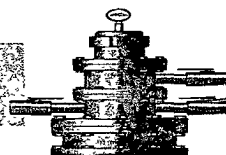




RECEIVED

JUN 27 2011

NMOCD A TESIA



Predator Top Pak set @ 4792'

Devon Energy

WELL NAME	Eagle 4 State # 2H	DATE	5/17/11
SUPERVISOR	Mr. Larry Johnson	TOOL HAND	D. Tuplin, A. Jackson
PHONE #	575 218-6894	PHONE #	575-631-2800
RIG #	United Drilling #29	FIELD TICKET #	13221

ELEVATIONS

	GL ELEV	KB ELEV	RIG KBD	TVD
	0	x	x	4721.00
CASING / OPEN HOLE LAYOUT	OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)
CASING DESCRIPTION	7	4943.00	23	0
WINDOW DESCRIPTION	N/A	N/A		
OPEN HOLE DESCRIPTION	6 1/8	4400.00	JUNCTION @	

Comments

Tested backside to 3000 psig

DOWNHOLE DESCRIPTION FROM BOTTOM UP

STG	BOTTOM @	DESCRIPTION	LENGTH	ID	OD
	9300.00	Peak 3 75" Down Jet Circ Sub w/ 3-1/2" eue pin w/ Float 1	3.03	0.750	3.750
	9296.97	3-1/2" eue collar swedge x 4-1/2" LTC Collar	1.10	2.990	4.520
	9295.87	4 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 1-4	157.80	4.000	4.500
1	9138.07	Pressure Operated Hydro Port Sleeve 2	2.48	3.992	5.875
	9135.59	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 5-7	122.11	4.000	4.500
	9013.48	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.08	4.000	4.500
	9011.40	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3.992	5.680
	9010.78	Peak OH SS Anchor 4-1/2" LTC pin x 4-1/2" LTC box 3	2.81	3.992	5.680
	9007.97	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.07	4.000	4.500
	9001.90	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 8-9	77.00	4.000	4.500
	8924.90	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.07	4.000	4.500
	8922.83	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3.992	5.875
	8922.21	Peak Predator Packer 4-1/2" LTC pin x collar 4	4.02	3.992	5.680
	8918.19	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.08	4.000	4.500
	8912.11	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 10-11	80.59	4.000	4.500
2	8831.52	Strata-Port III Ball Activated Frac Sleeve 1.2813" id 5	3.53	1.281	5.875
	8827.99	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 12-13	77.83	4.000	4.500
	8750.16	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.10	4.000	4.500
	8748.06	Peak Rot Centralizer 4-1/2" LTC pin x box	0.61	3.992	5.875
	8747.45	Peak Predator Packer 4-1/2" LTC pin x collar 6	4.01	3.992	5.680
	8743.44	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.05	4.000	4.500
	8737.39	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 14-15	80.23	4.000	4.500
3	8657.16	Strata-Port III Ball Activated Frac Sleeve 1.4063" id 7	3.53	1.406	5.875
	8653.63	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 16-17	77.37	4.000	4.500
	8576.26	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.11	4.000	4.500
	8574.15	Peak Rot Centralizer 4-1/2" LTC pin x box	0.64	3.992	5.875
	8573.51	Peak Predator Packer 4-1/2" LTC pin x collar 8	4.04	3.992	5.680
	8569.47	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.06	4.000	4.500
	8563.41	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 18-19	75.92	4.000	4.500
4	8487.49	Strata-Port III Ball Activated Frac Sleeve 1.5313" id 9	3.53	1.531	5.875
	8483.96	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 20-21	78.05	4.000	4.500
	8405.91	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.07	4.000	4.500
	8403.84	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3.992	5.875
	8403.22	Peak Predator Packer 4-1/2" LTC pin x collar 10	4.00	3.992	5.680
	8399.22	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.05	4.000	4.500
	8393.17	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 22-24	114.56	4.000	4.500
5	8278.61	Strata-Port III Ball Activated Frac Sleeve 1.6563" id 11	3.53	1.656	5.875
	8275.08	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 25-26	77.40	4.000	4.500
	8197.68	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.08	4.000	4.500
	8195.60	Peak Rot Centralizer 4-1/2" LTC pin x box	0.61	3.992	5.875
	8194.99	Peak Predator Packer 4-1/2" LTC pin x collar 12	4.04	3.992	5.680
	8190.95	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.05	4.000	4.500
	8184.90	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 27-28	76.72	4.000	4.500
6	8108.18	Strata-Port III Ball Activated Frac Sleeve 1.7813" id 13	3.53	1.781	5.875
	8104.65	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 29-30	78.34	4.000	4.500
	8026.31	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.06	4.000	4.500
	8024.25	Peak Rot Centralizer 4-1/2" LTC pin x box	0.63	3.992	5.875
	8023.62	Peak Predator Packer 4-1/2" LTC pin x collar 14	4.00	3.992	5.680
	8019.62	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.06	4.000	4.500
	8013.56	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 31-32	81.23	4.000	4.500

Predator #20
Set @ 4995'Gen III Strata Port #19
Set @ 5200'
3.531" seat activated
By 3.625" 8K Ball
Predator #19
Set @ 5406'Gen III Strata Port #18
Set @ 5532'
3.406" seat activated
By 3.500" 8K Ball
Predator #18
Set @ 5659'Gen III Strata Port #17
Set @ 5784'
3.281" seat activated
By 3.375" 8K BallPredator #17
Set @ 5913'Gen III Strata Port #16
Set @ 6039'
3.156" seat activated
By 3.250" 8K BallPredator #16
Set @ 6166'Gen III Strata Port #15
Set @ 6250'
3.031" seat activated
By 3.125" 8K BallPredator #15
Set @ 6381'Gen III Strata Port #14
Set @ 6463'
2.906" seat activated
By 3.000" 8K BallPredator #14
Set @ 6552'Gen III Strata Port #13
Set @ 6638'
2.781" seat activated
By 2.875" 8K BallPredator #13
Set @ 6726'Gen III Strata Port #12
Set @ 6812'
2.656" seat activated
By 2.750" 8K Ball

Predator #12
Set @ 6898'

Gen III Strata Port #11
Set @ 6984'
2.531" seat activated
By 2.625" 8K Ball

Predator #11
Set @ 7115'

Gen III Strata Port #10
Set @ 7201'
2.406" seat activated
By 2.500" 8K Ball

Predator #10
Set @ 7289'

Gen III Strata Port #9
Set @ 7372'
2.281" seat activated
By 2.375" 8K Ball

Predator #9
Set @ 7480'

Gen III Strata Port #8
Set @ 7544'
2.156" seat activated
By 2.250" 8K Ball

Predator #8
Set @ 7633'

Gen III Strata Port #7
Set @ 7717'
2.031" seat activated
By 2.125" 8K Ball

Predator #7
Set @ 7848'

Gen III Strata Port #6
Set @ 7932'
1.906" seat activated
By 2.000" 8K Ball

Predator #6
Set @ 8024'

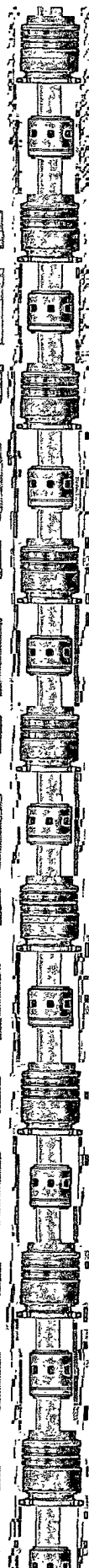
Gen III Strata Port #5
Set @ 8108'
1.781" seat activated
By 1.875" 8K Ball

Predator #5
Set @ 8195'

Gen III Strata Port #4
Set @ 8279'
1.656" seat activated
By 1.750" 8K Ball

Predator #4
Set @ 8403'

Gen III Strata Port #3
Set @ 8487'



7	7932.33	Strata-Port III Ball Activated Frac Sleeve 1 9063" id 15	3.53	1 906	5 875
	7928.80	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 33-34	78.57	4 000	4 500
	7850.23	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.08	4 000	4 500
	7848.15	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3 992	5 875
	7847.53	Peak Predator Packer 4-1/2" LTC pin x collar 16	4.00	3 992	5 680
	7843.53	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	6.05	4 000	4 500
	7837.48	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 35-37	120.33	4 000	4 500
	7717.15	Strata-Port III Ball Activated Frac Sleeve 2 0313" id 17	3.53	2 031	5 875
	7713.62	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 38-39	77.77	4 000	4 500
	7635.85	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.08	4 000	4 500
	7633.77	Peak Rot Centralizer 4-1/2" LTC pin x box	0.61	3 992	5 875
	7633.16	Peak Predator Packer 4-1/2" LTC pin x collar 18	4.00	3 992	5 680
	7629.16	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	6.04	4 000	4 500
	7623.12	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 40-41	79.25	4 000	4 500
	7543.87	Strata-Port III Ball Activated Frac Sleeve 2.1563" id 19	3.53	2 156	5 875
	7540.34	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 42-43	77.59	4 000	4 500
	7462.75	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	2.06	4 000	4 500
	7460.69	Peak Rot Centralizer 4-1/2" LTC pin x box	0.64	3 992	5 875
	7460.05	Peak Predator Packer 4-1/2" LTC pin x collar 20	4.00	3 992	5 680
	7456.05	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	6.04	4 000	4 500
	7450.01	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 44-45	77.78	4 000	4 500
	7372.23	Strata-Port III Ball Activated Frac Sleeve 2 2813" id 21	3.53	2 281	5 875
	7368.70	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 46-47	77.41	4 000	4 500
	7291.29	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.06	4 000	4 500
	7289.23	Peak Rot Centralizer 4-1/2" LTC pin x box	0.60	3 992	5 875
	7288.63	Peak Predator Packer 4-1/2" LTC pin x collar 22	4.01	3 992	5 680
	7284.62	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.06	4 000	4 500
	7278.56	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 48-49	77.55	4 000	4 500
	7201.01	Strata-Port III Ball Activated Frac Sleeve 2 4063" id 23	3.53	2 406	5 875
	7197.48	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 50-51	80.16	4 000	4 500
	7117.32	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.05	4 000	4 500
	7115.27	Peak Rot Centralizer 4-1/2" LTC pin x box	0.61	3 992	5 875
	7114.66	Peak Predator Packer 4-1/2" LTC pin x collar 24	3.97	3 992	5 680
	7110.69	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.06	4 000	4 500
	7104.63	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 52-54	120.39	4 000	4 500
	6984.24	Strata-Port III Ball Activated Frac Sleeve 2.5313" id 25	3.53	2 531	5 875
	6980.71	2 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 55-56	79.55	4 000	4 500
	6901.16	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.08	4 000	4 500
	6899.08	Peak Rot Centralizer 4-1/2" LTC pin x box	0.63	3 992	5 875
	6898.45	Peak Predator Packer 4-1/2" LTC pin x collar 26	4.04	3 992	5 680
	6894.41	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.08	4 000	4 500
	6888.33	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 57-58	76.56	4 000	4 500
	6811.77	Strata-Port III Ball Activated Frac Sleeve 2 6563" id 27	3.53	2 656	5 875
	6808.24	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 59-60	79.86	4 000	4 500
	6728.38	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	2.08	4 000	4 500
	6726.30	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3 992	5 875
	6725.68	Peak Predator Packer 4-1/2" LTC pin x collar 28	4.03	3 992	5 680
	6721.65	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.08	4 000	4 500
	6715.57	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 61-62	78.01	4 000	4 500
	6637.56	Strata-Port III Ball Activated Frac Sleeve 2 7813" id 29	3.53	2 781	5 875
	6634.03	2 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 63-64	79.80	4 000	4 500
	6654.23	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.09	4 000	4 500
	6652.14	Peak Rot Centralizer 4-1/2" LTC pin x box	0.61	3 992	5 875
	6651.53	Peak Predator Packer 4-1/2" LTC pin x collar 30	4.02	3 992	5 680
	6647.51	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.08	4 000	4 500
	6641.43	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 65-66	78.20	4 000	4 500
	6463.23	Strata-Port III Ball Activated Frac Sleeve 2 9063" id 31	3.53	2 906	5 875
	6459.70	2 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 67-68	76.02	4 000	4 500
	6383.68	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.05	4 000	4 500
	6381.63	Peak Rot Centralizer 4-1/2" LTC pin x box	0.60	3 992	5 875
	6381.03	Peak Predator Packer 4-1/2" LTC pin x collar 32	4.02	3 992	5 680
	6377.01	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	6.03	4 000	4 500
	6370.98	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 69-71	121.23	4 000	4 500
	6249.75	Strata-Port III Ball Activated Frac Sleeve 3 0313" id 33	3.53	3 031	5 875
	6246.22	2 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 72-73	77.13	4 000	4 500
	6169.09	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.11	4 000	4 000
	6166.98	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3 992	5 875
	6166.36	Peak Predator Packer 4-1/2" LTC pin x collar 34	4.03	3 992	5 680
	6162.33	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.10	4 000	4 500
	6156.23	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 74-76	116.82	4 000	4 500
	6039.41	Strata-Port III Ball Activated Frac Sleeve 3 1563" id 35	3.53	3 156	5 875
	6035.88	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 77-79	119.73	4 000	4 500
	5916.15	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	2.10	4 000	4 500
	5914.05	Peak Rot Centralizer 4-1/2" LTC pin x box	0.64	3 992	5 875
	5913.41	Peak Predator Packer 4-1/2" LTC pin x collar 36	4.04	3 992	5 680
	5909.37	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt	6.06	4 000	4 500
	5903.31	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 80-82	118.82	4 000	4 500
	5784.49	Strata-Port III Ball Activated Frac Sleeve 3.2813" id 37	3.53	3 281	5 875
	5780.96	3 jts 4-1/2" LTC 11 60# P-110 Casing Jt# 83-85	119.39	4 000	4 500
	5661.57	4-1/2" LTC pin x 4-1/2" LTC collar 11.6# P-110 pup jt	2.05	4 000	4 500
	5659.52	Peak Rot Centralizer 4-1/2" LTC pin x box	0.62	3 992	5 875

1'531" seat activated
By 1.625" 8K Ball

Predator #3
Set @ 8574'

Gen III Strata Port #2
Set @ 8657'
1.406" seat activated
By 1.500" 8K Ball

Predator #2
Set @ 8747'

Gen III Strata Port #1
Set @ 8832'
1.281" seat activated
By 1.375" 8K Ball

Predator #1
Set @ 8922'

Peak SS Anchor
Set @ 9014'

Hydro Port
Set @ 9138'
4504 psi opening press

Down Jet Circ Sub
Set @ 9300'

	5658.90	Peak Predator Packer 4-1/2" LTC pin x collar 3	4.02	3.992	5.680
	5654.88	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	6.06	4.000	4.500
	5648.82	3 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 86-88	117.08	4.000	4.500
19	5531.74	Strata-Port III Ball Activated Frac Sleeve 3 4063" id 38	3.53	3.406	5.875
	5528.21	3 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 89-91	119.07	4.000	4.500
	5409.14	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.10	4.000	4.500
	5407.04	Peak Rot Centralizer 4-1/2" LTC pin x box.	0.61	3.992	5.875
	5406.43	Peak Predator Packer 4-1/2" LTC pin x collar 39	4.01	3.992	5.680
	5402.42	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	6.03	4.000	4.500
	5396.39	5 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 92-96	196.46	4.000	4.500
20	5199.93	Strata-Port III Ball Activated Frac Sleeve 3 5313" id 40	3.53	3.531	5.875
	5196.40	5 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 97-101	194.32	4.000	4.500
	5002.08	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	2.06	4.000	4.500
	5000.02	Peak Rot Centralizer 4-1/2" LTC pin x box.	0.60	3.992	5.875
	4999.42	Peak Predator Packer 4-1/2" LTC pin x collar 41	4.00	3.992	5.680
	4995.42	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt.	6.04	4.000	4.500
	4989.38	5 jts 4-1/2" LTC 11.60# P-110 Casing Jt# 102-106	192.16	4.000	4.500
	4797.22	4-1/2" LTC 11 6# P-110 Pup Jt pin x collar	2.07	3.996	5.940
	4795.15	Top-Pak Anchor 4-1/2" LTC pin x 4-1/2" BTC box	2.80	3.992	5.870
	4792.35	Predator Top-Pak Hanger Packer 4-1/2" LTC pin x seal bore 42	7.00	4.750	5.970
	4785.35	Peak Hyd Setting Tool w/ seat f/ 2" ball 3-1/2" IF box*	5.45	1.875	5.500
	4779.90	3-1/2" IF Pup Joint *	7.50	2.300	3.500
	4772.40	jts 3 5 IF D C's (9 5 stands)** 19 jts	559.06	0.000	0.000
	4213.34	X-Over 3 5" IF Pin X 4 0" FH Box	1.90	0.000	0.000
	4211.44	134 Jts 4 0" FH Drill Pipe (67 Stands)**	4219.49	0.000	0.000
	-8.05	Stick Up	0.00	0.000	0.000
	0.00	0	0.00	0.000	0.000
	0.00	0	0.00	0.000	0.000
Initial wt. of liner system			Pull Check Wt. 30K#		
			Push Check Wt. 30K#		
Static wt. at Csg Pkr setting depth			110K#		

*** CONFIDENTIAL ***

Not To Be Disclosed Outside of Cimarex Energy

Total drilled
depth @ 13591'