

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
May 27, 2004

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

WELL API NO. 30-015-38294
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.

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 ☐

7. Lease Name or Unit Agreement Name

West Shugart 32 State Com ☒

8. Well Number
001 ☒

2. Name of Operator
Cimarex Energy Co. of Colorado

9. OGRID Number
162683 ☒

3. Address of Operator
600 N. Marienfeld St., Ste. 600; Midland, TX 79701

10. Pool name or Wildcat
Hackberry; Bone Spring, North

4. Well Location
SHL Unit Letter D : 330 feet from the North line and 990 feet from the West line
Section 32 Township 18S Range 31E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3570 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☒
OTHER: ☐

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.

See attached PEAK diagram for location of Frac Ports and Stages.

07-12-11 Perf'd Bone Spring 12913-13314 5 spf, 40 holes.
07-22-11 Frac'd with 307,510 gal 20# XL Borate & 387,041# 16/30 White Sand.
07-23-11 Frac'd Stage 2 (12312-12741) with 299,180 gal 20# XL Borate & 361,857# 16/30 White Sand. Frac'd Stage 3 (11770-12194) with 309,269 gal 20# XL Borate & 359,730# 16/30 White Sand. Frac'd Stage 4 (11198-11605) with 306,097 gal 20# XL Borate & 380,490# 16/30 White Sand. Frac'd Stage 5 (10624-11069) with 264,262 gal 20# XL Borate & 367,132# 16/30 White Sand. Frac'd Stage 6 (10061-10481) with 286,604 gal 20# XL Borate & 407,603# 16/30 White Sand.
07-24-11 Frac'd Stage 7 (9497-9898) with 288,528 gal 20# XL Borate & 359,222# 16/30 White Sand. Frac'd Stage 8 (8914-9344) with 286,547 gal 20# XL Borate & 332,592# 16/30 White Sand.
08-03-11 Began milling out seats.
08-08-11 Finished milling out seats and CO to PBTD @ 13161.
08-11-11 Installed production tubing string: 2.875" 6.5# L80 EUE to 8389. Also installed SLB REDA sub pump. Turned to production.

RECEIVED
AUG 22 2011
NMOCD ARTESIA

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Natalie Krueger TITLE Regulatory Analyst DATE August 18, 2011

Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 432-620-1936

For State Use Only

APPROVED BY: David Young TITLE Field Supervisor DATE 8-23-11
Conditions of Approval (if any):

Peak Completion Technology

KOP @ 8,462 FT

End of Curve @ 9,054'

Stage 7

Expandable Strata-Port
4.135" ID

Depth @ 8,917'

Open at 1,692 psi

Expandable Strata-Port

4.135" ID

Depth @ 9,071'

Open at 1,692 psi

Expandable Strata-Port

4.135" ID

Depth @ 9,225'

Open at 1,692 psi

Expandable Strata-Port

4.012" ID

4.25" OD Extrudable Ball

Depth @ 9,344'

Open at 1,692 psi

Stage 6

Expandable Strata-Port

3.890" ID

Depth @ 9,500'

Open at 1,692 psi

Expandable Strata-Port

3.890" ID

Depth @ 9,652'

Open at 1,692 psi

Expandable Strata-Port

3.890" ID

Depth @ 9,775'

Open at 1,692 psi

Expandable Strata-Port

3.768" ID

4.00" OD Extrudable Ball

Depth @ 9,919'

Open at 1,692 psi

Stage 6

Expandable Strata-Port

3.645" ID

Depth @ 10,063'

Open at 1,692 psi

Expandable Strata-Port

3.645" ID

Depth @ 10,218'

Open at 1,692 psi

Expandable Strata-Port

3.645" ID

Depth @ 10,358'

Open at 1,692 psi

Expandable Strata-Port

3.523" ID

3.750" OD Extrudable Ball

Depth @ 10,481'

Open at 1,692 psi

Stage 5

Expandable Strata-Port

3.400" ID

Depth @ 10,756'

Open at 1,692 psi

Marker Joint Bottom @ 8,427'

216 Joints 5 1/2" 17# P-110 Casing to Surface

DOWN HOLE WELL PROFILE

WELL NAME	Cimarex Energy Company, West Shurgart 32 State #1H	DATE	6/24/11
SUPERVISOR	Jimmy McDuffee	TOOL HAND	Ray Lollar
PHONE #	303-285-2381	PHONE #	432-425-2193
RIG #	Cactus Drilling Co. Rig #115	FIELD TICKET #	8659

ELEVATIONS

KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBTD
				19	
CASING / OPEN HOLE LAYOUT	OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)	
CASING DESCRIPTION	9 5/8	4,822'			
WINDOW DESCRIPTION					
OPEN HOLE DESCRIPTION	8 3/4	13,354'	JUNCTION @	8,510'	

Use Peak Virgin Extrudable Balls Only



8 Stage Liner Schematic

BOTTOM @	DESCRIPTION	LENGTH	ID	OD
13354.00	Halliburton Sure Seal Float Shoe	1.50	2.250	6.125
13352.50	1 Joint 5 1/2" P-110, 17# LTC Threaded Liner (1)	36.85	4.892	5.500
13315.65	Halliburton Sure Seal Float Collar	1.50	2.250	6.125
13314.15	1.813" Peak 5 1/2 LTC Static Ball Seat Carrier (5" Wiper Ball)	1.18	1.813	6.688
13312.97	13 Joints 5 1/2" P-110, 17# LTC Threaded Liner (2-14)	493.92	4.892	5.500
12819.05	2.788" Peak 5 1/2 LTC, Drillable Ball Seat Carrier (3,000" Extrudable Ball)	1.18	2.788	6.688
12817.87	2 Joints 5 1/2" P-110, 17# LTC Threaded Liner (15-16)	76.40	4.892	5.500
12741.47	Peak 2.911" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #1	2.81	2.911	7.250
12738.66	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (17-19)	114.25	4.892	5.500
12624.41	Peak 2.911" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	2.911	7.250
12621.60	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (20-23)	152.39	4.892	5.500
12469.21	Peak 2.911" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	2.911	7.250
12466.40	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (24-27)	152.04	4.892	5.500
12314.36	Peak 2.911" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	2.911	7.250
12311.55	2 Joints 5 1/2" P-110, 17# LTC Threaded Liner (28-29)	76.70	4.892	5.500
12234.85	2.911" Peak 5 1/2 LTC, Drillable Ball Seat Carrier (3,125" Extrudable Ball)	1.18	2.911	6.688
12233.67	1 Joint 5 1/2" P-110, 17# LTC Threaded Liner (30)	39.38	4.892	5.500
12194.29	Peak 3.033" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #1	2.81	3.033	7.250
12191.48	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (31-34)	159.51	4.892	5.500
12031.97	Peak 3.033" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	3.033	7.250
12029.16	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (35-37)	129.03	4.892	5.500
11900.13	Peak 3.033" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	3.033	7.250
11897.32	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (38-40)	124.28	4.892	5.500
11773.04	Peak 3.033" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	3.033	7.250
11770.23	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (41-43)	122.12	4.892	5.500
11648.11	3.033" Peak 5 1/2 LTC, Drillable Ball Seat Carrier (3,250" Extrudable Ball)	1.18	3.033	6.688
11646.93	1 Joint 5 1/2" P-110, 17# LTC Threaded Liner (44)	41.94	4.892	5.500
11604.99	Peak 3.155" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #1	2.81	3.155	7.250
11602.18	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (45-47)	129.94	4.892	5.500
11472.24	Peak 3.155" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	3.155	7.250
11469.43	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (48-50)	132.25	4.892	5.500
11337.18	Peak 3.155" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	3.155	7.250
11334.37	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (51-53)	133.63	4.892	5.500
11200.74	Peak 3.155" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	3.155	7.250
11197.93	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (54-56)	128.50	4.892	5.500
11069.43	Peak 3.278" ID 7.25 x 5.5 Expandable Strata-Port (3,500" Extrudable Ball) Port #1	2.81	3.278	7.250
11066.62	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (57-60)	152.27	4.892	5.500
10914.35	Peak 3.400" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	3.400	7.250
10911.54	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (61-64)	153.01	4.892	5.500
10758.53	Peak 3.400" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	3.400	7.250
10755.72	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (65-67)	110.81	4.892	5.500
10644.91	Peak 3.400" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	3.400	7.250
10642.10	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (68-71)	161.09	4.892	5.500
10481.01	Peak 3.523" ID 7.25 x 5.5 Expandable Strata-Port (3,750" Extrudable Ball) Port #1	2.81	3.523	7.250
10478.20	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (72-74)	120.42	4.892	5.500
10357.78	Peak 3.645" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	3.645	7.250
10354.97	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (75-77)	136.79	4.892	5.500
10218.18	Peak 3.645" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	3.645	7.250
10215.37	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (78-81)	151.91	4.892	5.500
10063.46	Peak 3.645" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	3.645	7.250
10060.65	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (82-85)	162.40	4.892	5.500
9898.25	Peak 3.768" ID 7.25 x 5.5 Expandable Strata-Port (4,000" Extrudable Ball) Port #1	2.81	3.768	7.250
9895.44	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (86-88)	120.62	4.892	5.500
9774.82	Peak 3.890" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	3.890	7.250
9772.01	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (89-91)	120.31	4.892	5.500
9651.70	Peak 3.890" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	3.890	7.250
9648.89	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (92-95)	148.98	4.892	5.500
9499.91	Peak 3.890" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	3.890	7.250
9497.10	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (96-99)	152.88	4.892	5.500
9344.22	Peak 4.012" ID 7.25 x 5.5 Expandable Strata-Port (4,000" Extrudable Ball) Port #1	2.81	4.012	7.250
9341.41	3 Joints 5 1/2" P-110, 17# LTC Threaded Liner (100-102)	115.92	4.892	5.500
9225.49	Peak 4.135" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #2	2.81	4.135	7.250
9222.68	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (103-106)	151.68	4.892	5.500
9071.00	Peak 4.135" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #3	2.81	4.135	7.250
9068.19	4 Joints 5 1/2" P-110, 17# LTC Threaded Liner (107-110)	151.42	4.892	5.500
8916.77	Peak 4.135" ID 7.25 x 5.5 Expandable Strata-Port (Multi-port opening) Port #4	2.81	4.135	7.250
8913.96	1 Joint 5 1/2" P-110, 17# LTC Pin x BTC Box Threaded Liner Cross over (111)	40.93	4.892	5.500
8873.03	9 Joints 5 1/2" P-110, 17# BTC Threaded Liner (112-120)	409.26	4.892	5.500
8463.77	1 Joint 5 1/2" P-110, 17# BTC Pin x LTC Box Threaded Liner Cross over (121)	36.71	4.892	5.500
8427.06	1 Joint 5 1/2" P-110, 17# LTC Threaded Liner (Marker Joint) (122)	18.43	4.892	5.500
8408.63	216 Joints 5 1/2" P-110, 17# LTC Threaded Liner (123-338)	8397.58	4.892	5.500
11.05	1 Joint 5 1/2" P-110, 17# LTC Threaded Liner (Marker Joint) to land (339)	18.43	4.892	5.500

Expandable Strata-Port
3.400 "ID
Depth @ 10,770'
Open at 1,692 psi

Expandable Strata-Port
3.400 "ID
Depth @ 10,912'
Open at 1,692 psi

Expandable Strata-Port
3.278 "ID
3.500"OD Extrudable Ball
Depth @ 11,054'
Open at 1,692 psi

Stage 4
Expandable Strata-Port
3.155 "ID
Depth @ 11,201'
Open at 1,692 psi

Expandable Strata-Port
3.155 "ID
Depth @ 11,337'
Open at 1,692 psi

Expandable Strata-Port
3.155 "ID
Depth @ 11,472'
Open at 1,692 psi

Expandable Strata-Port
3.155 "ID
Depth @ 11,604'
Open at 1,692 psi

Static Ball Seat Carrier
3.033"ID
3.250"OD Extrudable Ball
Depth @ 11,648'

Stage 3
Expandable Strata-Port
3.033 "ID
Depth @ 11,773'
Open at 1,692 psi

Expandable Strata-Port
3.033 "ID
Depth @ 11,900'
Open at 1,692 psi

Expandable Strata-Port
3.033 "ID
Depth @ 12,031'
Open at 1,692 psi

Expandable Strata-Port
3.033 "ID
Depth @ 12,194'
Open at 1,692 psi

Static Ball Seat Carrier
2.911"ID
3.125"OD Extrudable Ball
Depth @ 12,234'

Stage 2
Expandable Strata-Port
2.911 "ID
Depth @ 12,331'
Open at 1,692 psi

Expandable Strata-Port
2.911 "ID
Depth @ 12,469'
Open at 1,692 psi

Expandable Strata-Port
2.911 "ID
Depth @ 12,624'
Open at 1,692 psi

-7.38	Stick Up	0.00	4.892	5.500
WEIGHT OF LINER STRING PUSH / PULL TEST		TOTAL STRING LENGTH		
LINER STRING WEIGHT		STICK-UP OFF RIG FLOOR		
		LINER BOTTOM		
		13361.38		
		7.38		
		13354.00		

Completed 29-Jun-11, by Ray Lollar

*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE
Cimarex Energy Company

Expandable Strata-Port
2.911" ID
Depth @ 12,741'
Open at 1,692 psi

Static Ball Seat Carrier
2.788" ID
3.000" OD Extrudable Ball
Depth @ 12,819'

Top Shot 12,899'
Stage 1
Bottom Shot 13,325'

Wiper Ball Static Seat
5" Wiper Rubber Ball
Depth @ 13,314'

5 1/2 LTC Float Collar
Depth @ 13,315'

5 1/2 LTC Float Shoe
Depth @ 13,354'

426" To be Perforated with TCP Guns

TOTAL MEASURED DEPTH @
13,354 FT





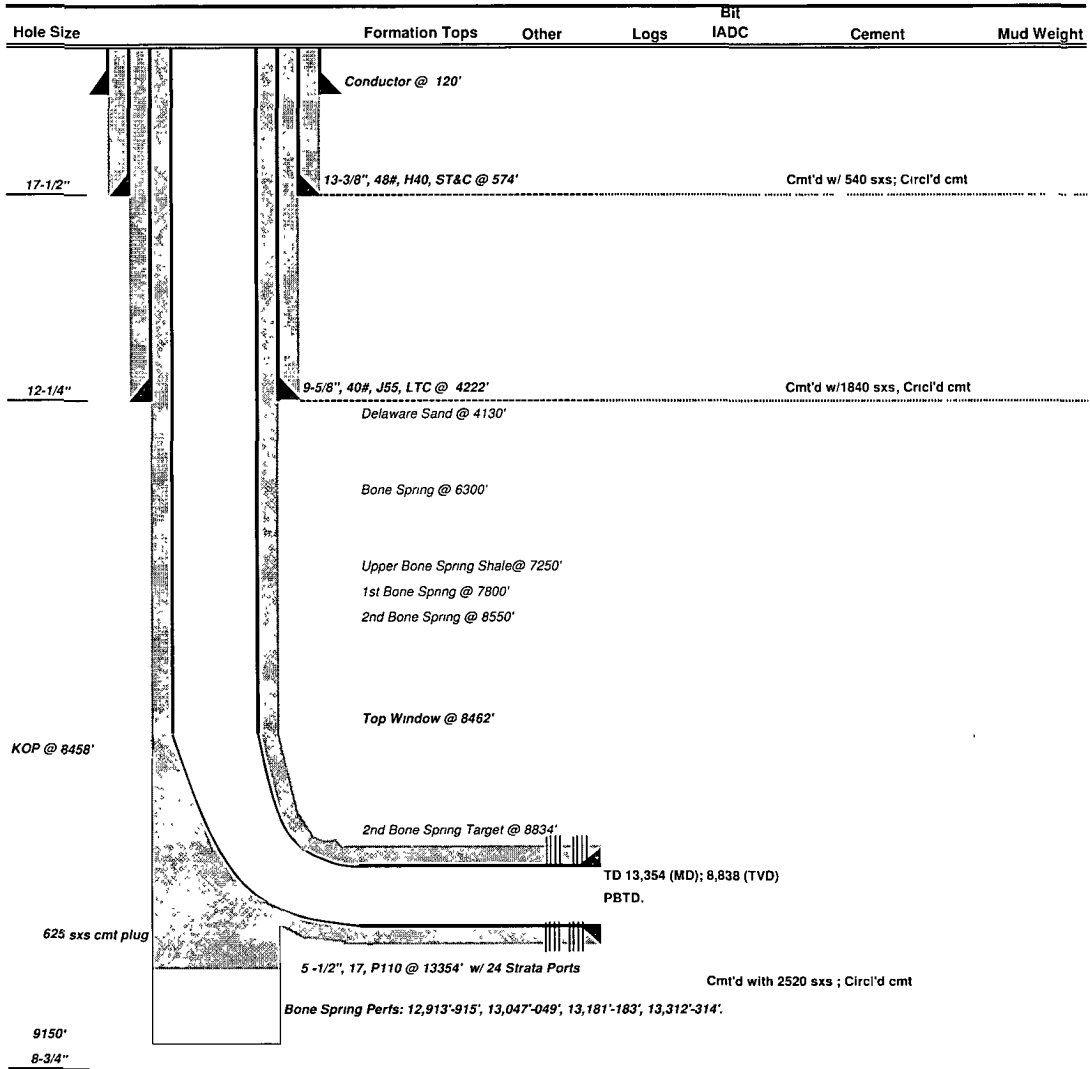
Cimarex Energy Company

8/18/2011

Well: West Shugart 32 State 1H
Location: Sec 32, T18S-R31E
County, State: Eddy
Surface Location: 330' FNL 990' FWL
Bottomhole Loc: 330' FSL 660' FWL
E-Mail: wellsite35@cimarex.com
Wellhead: SEC A 11" 5M x 9-5/8" SOW
SEC B. 11" 5M X 7-1/16" 10M

Co. Well ID: 309775-007
AFE No.: 250065
API No.: 30-015-38294
Lse Serial #:
Field: Shugart
Objective: 2nd Bone Spring
TVD/MD: 8850 / 13345
Cementing: Halliburton
Mud: MI
Motors: Baker
OH Logs
Rig: Cactus 115
Offset Wells: West Shugart 31-3,4, 5

Xmas Tree
Tubing: 2 7/8" L80 EUE
Superintendent: Dee Smith
Engineer: Ryan Braxton



Quantity	Description	Length	Setting Depth
	KB	18	18
1	Pup Jt	4 10	22 10
252	2-7/8" 6 5# L80 8rd EUE Tbg	8162 24	8184 34
1	Pup Jt	4 10	8188 44
4	Pumps	78 00	8266 44
1	AGH Pump	6 30	8272 74
1	Intake	3 50	8276 24
1	Protector	8 20	8284 44
1	Motor	31 70	8316 14
1	Phoenix	3 00	8319 14
1	De-Sander	4 00	8323 14
2	2-7/8" 6 5# L80 8rd EUE Tbg	64 82	8387 96
1	Bull Plug	0 75	8388 71