

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

HOBBS OCD

OIL CONSERVATION DIVISION

FEB 12 2018

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

Form C-103

Revised August 1, 2011

WELL APINO. 30-025-20868
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name VACUUM GLORIETA EAST UNIT
8. Well Number 003
9. OGRID Number 217817
10. Pool name or Wildcat VACUUM; GLORIETA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3940' 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
ConocoPhillips Company

3. Address of Operator
P. O. Box 51810
Midland, TX 79710

4. Well Location
Unit Letter E : 1980 feet from the NORTH line and 330 feet from the WEST line
Section 34 Township 17S Range 35E NMPM County LEA

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: RECOMPLETE TO GB-SA ☒

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

ATTACHED IS A PROCEDURE TO RECOMPLETE TO VACUUM; GB-SA.
ATTACHED IS A CURRENT/PROPOSED WELLBORE SCHEMATIC

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 Rhonda Rogers TITLE Staff Regulatory Technician DATE

Type or print name Rhonda Rogers E-mail address: roggers@conocophillips.com PHONE: (432)688-9174

For State Use Only

APPROVED BY: Accepted for Record Only DATE

Conditions of Approval (if any): MS Brown 2/13/2018

**Vacuum Glorieta East Unit 35-003
Recomplete to GB-SA
East Vacuum GB-SA 404
30-025-20868**

Justification and Background:

General Description: This project will recomplete the VGEU 35-03 to the San Andres formation and become part of the East Vacuum Grayburg San Andres Unit (EVGSAU). This well will be renamed the EVGSAU 3456-404.

The Paddock will be abandoned per NMOCD regulations with cement on top of a bridge plug. The San Andres will be perforated and acid stimulated. Used equipment will be utilized as much as possible to reduce costs, including rods, tubing and wellhead. The pumping unit currently on location is a 114 and undersized. It will be replaced with a 912 unit from the EVGSAU lease.

Perforations

Type	Formation	Top	Bottom
Perforations	Glorieta	6060'	6092'
PBTD	6108' CIBP		
TD	6300'		

Surface Works:

1. Remove C-114-160-54 BPU currently on location. Move and install C-912-365-168 currently on the EVGSAU 2801-013.
2. Add weights and rebalance unit as shown in attached XBAL. Re-sheave to 8.5 SPM.

Well Service Procedure:

1. Review JSA prior to RU on well.
2. MI RU Well Service Unit.
3. Pull rods and pump. Visually inspect and send pump to Don Nan for inventory.
4. ND wellhead. NU BOPE.
5. Unseat tubing anchor, and scan out tubing.
 - a. Laydown tubing to make room for workstring.
6. PU bit, scraper, and workstring.
 - a. TIH and cleanout hole to 6060'.
 - b. TOOH. Laydown bit and scraper. Stand back tubing.
7. MI RU Wireline Services. NU 5000 PSI lubricator.

Vacuum Glorieta East Unit 35-003
Recomplete to GB-SA
East Vacuum GB-SA 404
30-025-20868

- a. Note: Use of lubricator shop tested to 2000 PSIG is acceptable.
- b. Note: Use Halliburton TMD Log (Dated: 1/24/95) for all correlations.
8. PU CBP, RIH and set @ 6050'
9. PU bailer, RIH and dump bail 2.5 sks Class C cement above CBP @ 6050'.
10. PU CBP, RIH and set @ 4825'
11. PU bailer, RIH and dump bail 2.5 sks Class C cement above CBP @ 4825'.
 - a. Load and test CBP to 500 PSI.
12. PU & RIH w/guns to perforate first stage using 4" Titan Slick Gun w/ super deep penetrating charges (ch-40g, eh-0.52", pen – 52.13") (or equivalent). Conduct any repeat gun runs as necessary to perforate as follows:

Interval Top	Interval Bottom	Interval Length	SPF	Phasing	Shot Count
4496'	4506'	10'	3	120°	30
4514'	4521'	7'	3	120°	21
4530'	4540'	10'	3	120°	30
4559'	4571'	12'	3	120°	36
4596'	4611'	15'	3	120°	45

13. Pull fired guns into lubricator, bleed lubricator, & remove spent guns. Verify all shots fired. Record in WellView.
14. RDMO Wireline services once perfing is complete.
15. PU RBP and packer on tubing.
16. Hydro in hole to 5000 PSI.
 - a. RIH and set RBP @ 4635'
 - b. Come up hole with packer and set @ 4470'.
17. MIRU acidizing services. RU remote ball launcher.
18. Pump 150 bbls of 15% NEFE HCL, do not exceed 5000 psi surface pressure.
 - a. Pump 37 bbls of 15% NEFE HCL.
 - b. Pump 75 bbls of 15% NEFE HCL, dropping 162 ball sealers (7/8", 1.1 SG) evenly spaced.
 - c. Pump 37 bbls of 15% NEFE HCL.
 - d. Displace tubing and casing with 20 bbls fresh water.
 - e. Record treating pressure, rate, diverter action, and ISIP.
19. Release pump truck and acidizing services.

Vacuum Glorieta East Unit 35-003
Recomplete to GB-SA
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30-025-20868

20. Release packer and TIH to 4635' to retrieve RBP.
21. Come up hole and set RBP at 4485'.
 - a. **Note: Attempting to set RBP between perfs from 4477' and 4496'.**
 - b. Pressure test RBP to 500 PSI.
22. TOOH with packer. Stand back tubing.
23. MI RU Wireline Services. NU 5000 PSI lubricator.
 - a. Note: Use of lubricator shop tested to 2000 PSIG is acceptable.
 - b. Note: Use Halliburton TMD Log (Dated: 1/24/95) for all correlations.
24. PU & RIH w/guns to perforate second stage using 4" Titan Slick Gun w/ super deep penetrating charges (ch-40g, eh-0.52", pen – 52.13") (or equivalent). Conduct any repeat gun runs as necessary to perforate as follows:

Interval Top	Interval Bottom	Interval Length	SPF	Phasing	Shot Count
4415'	4425'	10'	3	120°	30
4435'	4449'	14'	3	120°	42
4466'	4477'	11'	3	120°	33

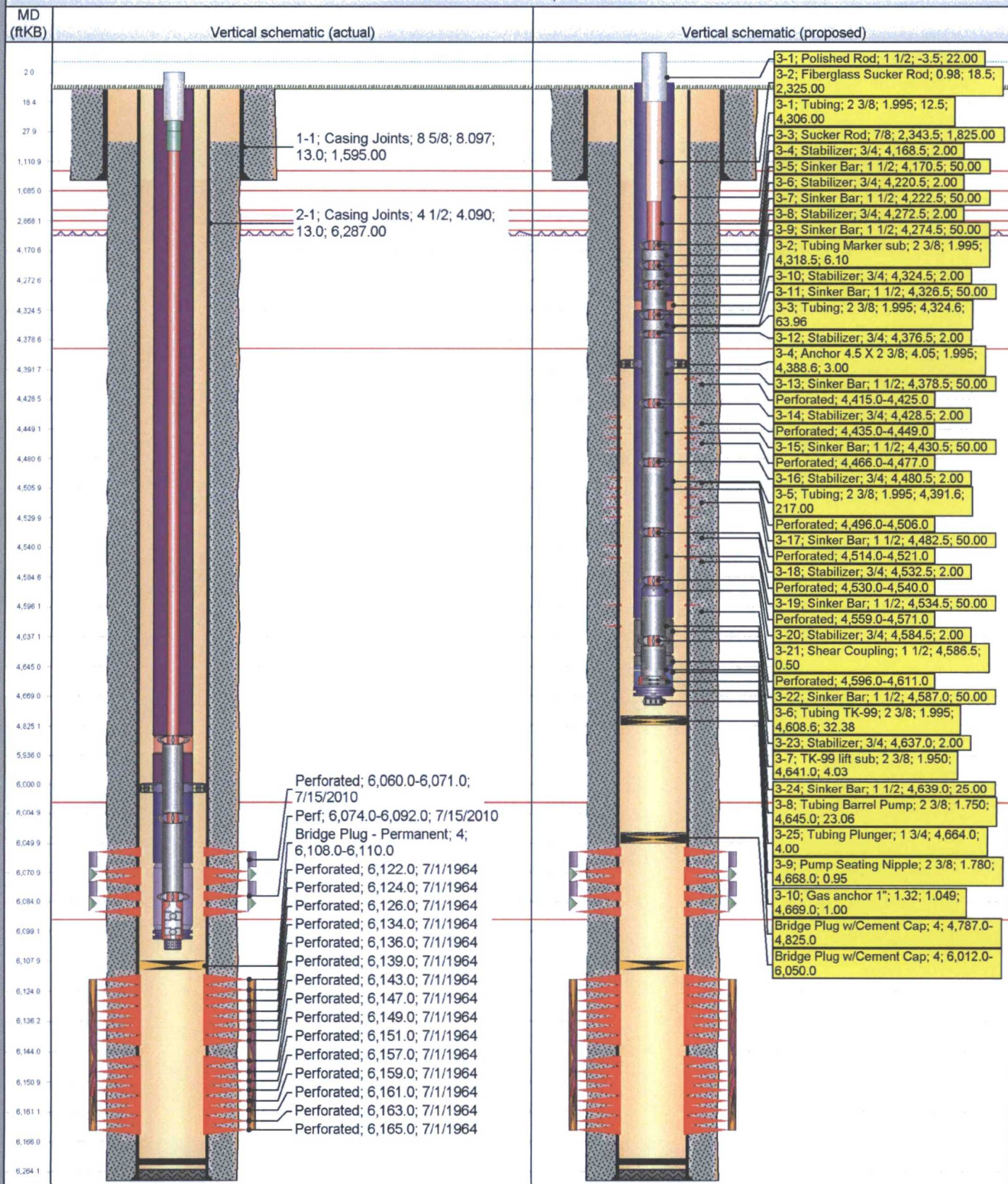
25. Pull fired guns into lubricator, bleed lubricator, & remove spent guns. Verify all shots fired
26. RDMO Wireline services once perfing is complete.
27. PU and TIH with packer on tubing.
 - a. Set packer at 4400'.
 - b. Pressure test backside to 500 PSI.
28. Pump 105 bbls of 15% NEFE HCL, do not exceed 5000 psi surface pressure.
 - a. Pump 25 bbls of 15% NEFE HCL.
 - b. Pump 55 bbls of 15% NEFE HCL, dropping 105 ball sealers (7/8", 1.1 SG) evenly spaced.
 - c. Pump 25 bbls of 15% NEFE HCL.
 - d. Displace tubing and casing with 19 bbls fresh water.
 - e. Record treating pressure, rate, diverter action, and ISIP.
29. Release packer and RIH to 4485' to retrieve RBP.
30. TOOH and laydown RBP, packer, and workstring.
31. PU production tubing and hydro into hole.
 - a. Set tubing anchor at 4390'.
 - b. Land end of tubing at 4670'.
32. TIH with 1.75" Insert pump and rods. Land pump, Load and test. Space pump. Hang well on.

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33. RD. Clean up location

District PERMIAN CONVENTIONAL	Field Name VACUUM	API / UWI 300252086800	County LEA	State/Province NEW MEXICO
Original Spud Date 6/11/1964	Surface Legal Location Sec. 34, T-17S, R-35E, UL "E"	E/W Dist (ft) 330.00	E/W Ref W	N/S Dist (ft) 1,980.00
			N/S Ref N	

VERTICAL - MAIN HOLE, 12/22/2017



Proposed Rod and Tubing Configuration VACUUM GLORIETA EAST UNIT 035-03

VERTICAL - MAIN HOLE, 12/22/2017			Tubing Description					Set Depth (ftKB)		
			Tubing - Production					4,670.0		
D (ft KB)	Vertical schematic (actual)	Vertical schematic (proposed)	Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		3-1; Polished Rod; 1 1/2; 3.5; 22.00	139	Tubing	2 3/8	1.995	4.70	J-55	4,306.00	4,318.5
		3-2; Fiberglass Sucker Rod; 0.98; 18.5; 2,325.00	1	Tubing Marker sub	2 3/8	1.995	4.60	J-55	6.10	4,324.6
	1-1; Casing Joints; 8 5/8; 8.097; 13.0; 1,595.00	3-1; Tubing; 2 3/8; 1.995; 12.5; 4,308.00	2	Tubing	2 3/8	1.995	4.70	J-55	63.96	4,388.6
		3-3; Sucker Rod; 7/8; 2,343.5; 1,825.00	1	Anchor 4.5 X 2 3/8	4.052	1.995	30.00	TAC	3.00	4,391.6
		3-4; Stabilizer; 3/4; 4,168.5; 2.00	6	Tubing	2 3/8	1.995	4.70	J-55	217.00	4,608.6
		3-5; Sinker Bar; 1 1/2; 4,170.5; 50.00	1	Tubing TK-99	2 3/8	1.995	4.70	J-55	32.38	4,641.0
	2-1; Casing Joints; 4 1/2; 4.090; 13.0; 6,287.00	3-6; Stabilizer; 3/4; 4,220.5; 2.00	1	TK-99 lift sub	2 3/8	1.950	4.70	J-55	4.03	4,645.0
		3-7; Sinker Bar; 1 1/2; 4,222.5; 50.00	1	Tubing Barrel Pump	2 3/8	1.750		BAR REL	23.06	4,668.0
		3-8; Stabilizer; 3/4; 4,272.5; 2.00	1	Pump Seating Nipple	2 3/8	1.780		SN	0.95	4,669.0
		3-9; Sinker Bar; 1 1/2; 4,274.5; 50.00	1	Gas anchor 1"	1.315	1.049		GA	1.00	4,670.0
		3-2; Tubing Marker sub; 2 3/8; 1.995; 4,318.5; 6.10								
		3-10; Stabilizer; 3/4; 4,324.5; 2.00								
		3-11; Sinker Bar; 1 1/2; 4,326.5; 50.00								
		3-3; Tubing; 2 3/8; 1.995; 4,324.6; 63.96								
		3-12; Stabilizer; 3/4; 4,378.5; 2.00								
		3-4; Anchor 4.5 X 2 3/8; 4.05; 1.995; 4,388.6; 3.00								
		3-13; Sinker Bar; 1 1/2; 4,378.5; 50.00								
		Perforated; 4,415.0-4,425.0								
		3-14; Stabilizer; 3/4; 4,428.5; 2.00								
		Perforated; 4,435.0-4,449.0								
		3-15; Sinker Bar; 1 1/2; 4,430.5; 50.00								
		Perforated; 4,468.0-4,477.0								
		3-16; Stabilizer; 3/4; 4,480.5; 2.00								
		3-5; Tubing; 2 3/8; 1.995; 4,391.6; 217.00								
		Perforated; 4,498.0-4,508.0								
		3-17; Sinker Bar; 1 1/2; 4,492.5; 50.00								
		Perforated; 4,514.0-4,521.0								
		3-18; Stabilizer; 3/4; 4,532.5; 2.00								
		Perforated; 4,530.0-4,540.0								
		3-19; Sinker Bar; 1 1/2; 4,534.5; 50.00								
		Perforated; 4,559.0-4,571.0								
		3-20; Stabilizer; 3/4; 4,584.5; 2.00								
		3-21; Shear Coupling; 1 1/2; 4,588.5; 0.50								
		Perforated; 4,598.0-4,611.0								
		3-22; Sinker Bar; 1 1/2; 4,597.0; 50.00								
		3-6; Tubing TK-99; 2 3/8; 1.995; 4,608.6; 32.38								
		3-23; Stabilizer; 3/4; 4,637.0; 2.00								
		3-7; TK-99 lift sub; 2 3/8; 1.950; 4,641.0; 4.03								
		3-24; Sinker Bar; 1 1/2; 4,639.0; 25.00								
		3-8; Tubing Barrel Pump; 2 3/8; 1.750; 4,645.0; 23.06								
		3-25; Tubing Plunger; 1 3/4; 4,664.0; 4.00								
		3-9; Pump Seating Nipple; 2 3/8; 1.780; 4,668.0; 0.95								
		3-10; Gas anchor 1"; 1.32; 1.049; 4,669.0; 1.00								
		Bridge Plug w/Cement Cap; 4,478.7-4,492.5								
		Bridge Plug w/Cement Cap; 4,901.2-4,905.0								
	Perforated; 6,060.0 -6,071.0; 7/15/2010									
	Perf; 6,074.0-6,092.0; 7/15/2010									
	Bridge Plug - Permanent; 4; 6,108.0-6,110.0									
	Perforated; 6,122.0; 7/1/1964									
	Perforated; 6,124.0; 7/1/1964									
	Perforated; 6,126.0; 7/1/1964									
	Perforated; 6,134.0; 7/1/1964									
	Perforated; 6,136.0; 7/1/1964									
	Perforated; 6,139.0; 7/1/1964									
	Perforated; 6,143.0; 7/1/1964									
	Perforated; 6,147.0; 7/1/1964									
	Perforated; 6,149.0; 7/1/1964									
	Perforated; 6,151.0; 7/1/1964									
	Perforated; 6,157.0; 7/1/1964									
	Perforated; 6,159.0; 7/1/1964									
	Perforated; 6,161.0; 7/1/1964									
	Perforated; 6,163.0; 7/1/1964									
	Perforated; 6,165.0; 7/1/1964									

Rod Description					Set Depth (ftKB)	
Rod					4,668.0	
Jts	Item Des	OD (in)	API Grade	Len (ft)	Btm (ftKB)	
1	Polished Rod	1 1/2		22.00	18.5	
63	Fiberglass Sucker Rod	0.98		2,325.00	2,343.5	
73	Sucker Rod	7/8	D Spec KD	1,825.00	4,168.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,170.5	
2	Sinker Bar	1 1/2	C	50.00	4,220.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,222.5	
2	Sinker Bar	1 1/2	C	50.00	4,272.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,274.5	
2	Sinker Bar	1 1/2	C	50.00	4,324.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,326.5	
2	Sinker Bar	1 1/2	C	50.00	4,376.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,378.5	
2	Sinker Bar	1 1/2	C	50.00	4,428.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,430.5	
2	Sinker Bar	1 1/2	C	50.00	4,480.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,482.5	
2	Sinker Bar	1 1/2	C	50.00	4,532.5	

Rod Description					Set Depth (ftKB)	
Rod					4,668.0	
Jts	Item Des	OD (in)	API Grade	Len (ft)	Btm (ftKB)	
1	Polished Rod	1 1/2		22.00	18.5	
63	Fiberglass Sucker Rod	0.98		2,325.00	2,343.5	
73	Sucker Rod	7/8	D Spec KD	1,825.00	4,168.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,170.5	
2	Sinker Bar	1 1/2	C	50.00	4,220.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,222.5	
2	Sinker Bar	1 1/2	C	50.00	4,272.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,274.5	
2	Sinker Bar	1 1/2	C	50.00	4,324.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,326.5	
2	Sinker Bar	1 1/2	C	50.00	4,376.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,378.5	
2	Sinker Bar	1 1/2	C	50.00	4,428.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,430.5	
2	Sinker Bar	1 1/2	C	50.00	4,480.5	
1	Stabilizer	3/4	D Spec KD	2.00	4,482.5	
2	Sinker Bar	1 1/2	C	50.00	4,532.5	