

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
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. 30-039-24295
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: San Juan 32-5 Unit NP
8. Well Number #102
9. OGRID Number 162928
10. Pool name or Wildcat Basin Fruitland Coal

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 Energen Resources Corporation
3. Address of Operator 2010 Afton Place, Farmington, NM 87401
4. Well Location Unit Letter <u>K</u> : <u>1820</u> feet from the <u>South</u> line and <u>1635</u> feet from the <u>West</u> line Section <u>24</u> Township <u>32N</u> Range <u>06W</u> NMPM County <u>Rio Arriba</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6370' 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: Re-complete

☒

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.

Energen Resources plans to re-complete the San Juan 32-5 Unit NP #102 as follows: RCVD NOV 12 '09

*Set a plug and whipstock at 2808' TVD and mill a window from 2796' - 2802'. OIL CONS. DIV.

*Drill a curve and horizontal lateral to a MD of 4841' (3007' TVD) with a BHL of 100' FSL, 2500' FWL. DIST. 2

*Line the lateral with a perforated 4-1/2", 11.6#, J-55 LTC liner string.

Attached is a revised C-102 and directional plan depicting this recompletion.

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 [Signature] TITLE Drilling Engineer DATE 11/11/2009
Type or print name Jason Kincaid E-mail address: jkincaid@energen.com PHONE 505.325.6800

For State Use Only

APPROVED BY [Signature] Deputy Oil & Gas Inspector, TITLE District #3 DATE NOV 16 2009

Conditions of Approval (if any):

Hold C104
for Directional Survey
and "As Drilled" plat

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-24295		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code 007472		⁵ Property Name San Juan 32-5 Unit NP			⁶ Well Number 102
⁷ OGRID No. 162928		⁸ Operator Name ENERGEN RESOURCES CORPORATION			⁹ Elevation 6370'

¹⁰ Surface Location

UL or lot no. K	Section 24	Township 32N	Range 6W	Lot Idn	Feet from the 1820	North/South line SOUTH	Feet from the 1635	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 24	Township 32N	Range 6W	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 2500	East/West line WEST	County RIO ARriba
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¹² Dedicated Acres 320 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 13119
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>[Signature]</i> 11/10/2009 Signature Date JASON KINCAID Printed Name
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JULY 21, 1988 Date of Survey Original Survey Conducted and Recorded By: Neale C. Edwards 6857 Certificate Number



Energen Resources Corp.

SJBR-Sec. 24-T32N-R06W

Eul Canyon

San Juan 32-5 Unit NP #102

Re-Entry Sidetrack OPE FTC

Plan: Plan #1

Directional Plan

10 November, 2009

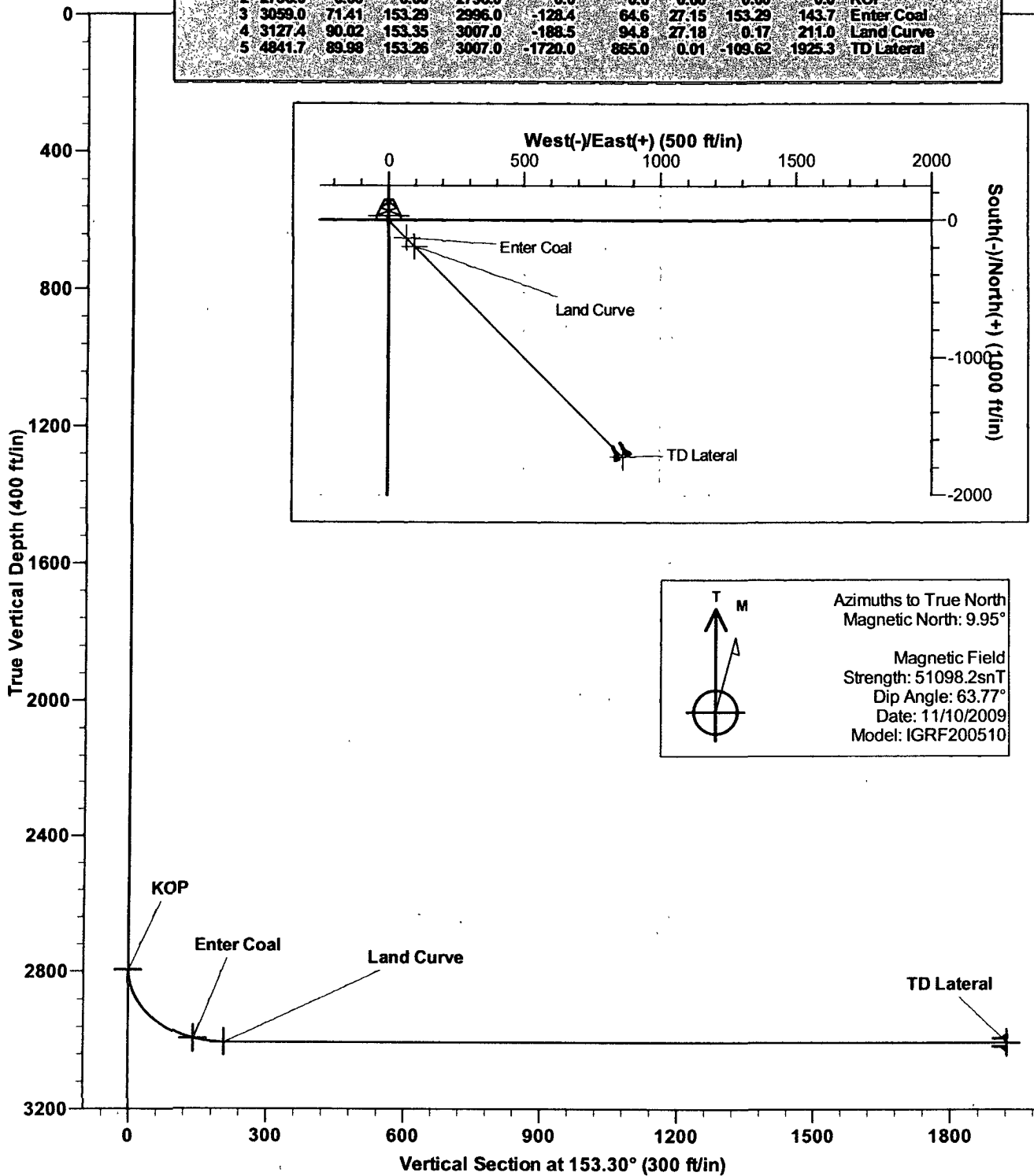
Project: SJBR-Sec. 24-T32N-R06W
 Site: Eul Canyon
 Well: San Juan 32-5 Unit NP #102
 Wellbore: Re-Entry Sidetrack OPE FTC

PROJECT DETAILS:

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Central Zone

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2796.0	0.00	0.00	2796.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3059.0	71.41	153.29	2996.0	-128.4	64.6	27.15	153.29	143.7	Enter Coal
4	3127.4	90.02	153.35	3007.0	-188.5	94.8	27.18	0.17	211.0	Land Curve
5	4841.7	89.98	153.26	3007.0	-1720.0	865.0	0.01	-109.62	1925.3	TD Lateral



Energen Resources
 Directional Plan

Company: Energen Resources Corp.
Project: SJBR-Sec. 24-T32N-R06W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #102
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP #102
TVD Reference: KB @ 6385.0ft (Drilling Rig)
MD Reference: KB @ 6385.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SJBR-Sec. 24-T32N-R06W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Eul Canyon				
Site Position:		Northing:	2,172,172.71 ft	Latitude:	36° 57' 49.536 N
From:	Lat/Long	Easting:	1,300,964.79 ft	Longitude:	107° 24' 42.912 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.70 °

Well	San Juan 32-5 Unit NP #102				
Well Position	+N/-S	0.0 ft	Northing:	2,172,172.71 ft	Latitude: 36° 57' 49.536 N
	+E/-W	0.0 ft	Easting:	1,300,964.79 ft	Longitude: 107° 24' 42.912 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,370.0 ft	Ground Level: 6,370.0 ft

Wellbore	Re-Entry Sidetrack OPE FTC				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/10/2009	9.95	63.77	51,098

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	153.30

Survey Tool Program	Date	11/10/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	4,841.7	Plan #1 (Re-Entry Sidetrack OPE FTC)	MWD	MWD - Standard

Planned Survey							
MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
100.0	100.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	200.0	0.00	0.00	0.00	0.0	0.0	0.0
300.0	300.0	0.00	0.00	0.00	0.0	0.0	0.0
400.0	400.0	0.00	0.00	0.00	0.0	0.0	0.0
500.0	500.0	0.00	0.00	0.00	0.0	0.0	0.0
600.0	600.0	0.00	0.00	0.00	0.0	0.0	0.0
700.0	700.0	0.00	0.00	0.00	0.0	0.0	0.0
800.0	800.0	0.00	0.00	0.00	0.0	0.0	0.0
900.0	900.0	0.00	0.00	0.00	0.0	0.0	0.0
1,000.0	1,000.0	0.00	0.00	0.00	0.0	0.0	0.0
1,100.0	1,100.0	0.00	0.00	0.00	0.0	0.0	0.0

Energen Resources
 Directional Plan

Company: Energen Resources Corp.
Project: SJBR-Sec. 24-T32N-R06W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #102
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP #102
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MD Reference: KB @ 6385.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
1,200.0	1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,796.0	2,796.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
2,800.0	2,800.0	1.09	153.29	27.15	0.0	0.0	0.0
2,820.0	2,819.9	6.52	153.29	27.15	-1.2	0.6	1.4
2,840.0	2,839.7	11.95	153.29	27.15	-4.1	2.1	4.6
2,860.0	2,859.0	17.38	153.29	27.15	-8.6	4.3	9.6
2,880.0	2,877.8	22.81	153.29	27.15	-14.7	7.4	16.5
2,900.0	2,895.8	28.24	153.29	27.15	-22.4	11.3	25.1
2,920.0	2,913.0	33.67	153.29	27.15	-31.6	15.9	35.4
2,940.0	2,929.1	39.10	153.29	27.15	-42.2	21.2	47.3
2,960.0	2,944.0	44.53	153.29	27.15	-54.1	27.2	60.6
2,980.0	2,957.6	49.96	153.29	27.15	-67.2	33.8	75.3
3,000.0	2,969.7	55.39	153.29	27.15	-81.4	41.0	91.2
3,020.0	2,980.2	60.82	153.29	27.15	-96.6	48.6	108.1
3,040.0	2,989.1	66.25	153.29	27.15	-112.6	56.6	126.0
3,059.0	2,996.0	71.41	153.29	27.15	-128.4	64.6	143.7
Enter Coal							
3,060.0	2,996.3	71.68	153.29	27.18	-129.3	65.0	144.7
3,080.0	3,001.7	77.12	153.31	27.18	-146.5	73.7	164.0
3,100.0	3,005.2	82.56	153.33	27.18	-164.0	82.5	183.6
3,120.0	3,006.9	87.99	153.34	27.18	-181.9	91.5	203.6
3,127.4	3,007.0	90.02	153.35	27.18	-188.5	94.8	211.0
Land Curve							
3,200.0	3,007.0	90.01	153.34	0.00	-253.3	127.4	283.6
3,300.0	3,007.0	90.01	153.34	0.00	-342.7	172.2	383.6
3,400.0	3,006.9	90.01	153.33	0.00	-432.1	217.1	483.6
3,500.0	3,006.9	90.01	153.33	0.00	-521.4	262.0	583.6
3,600.0	3,006.9	90.01	153.32	0.00	-610.8	306.9	683.6
3,700.0	3,006.9	90.01	153.32	0.00	-700.2	351.8	783.6

Company: Energen Resources Corp.
Project: SJBR-Sec. 24-T32N-R06W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #102
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP #102
TVD Reference: KB @ 6385.0ft (Drilling Rig)
MD Reference: KB @ 6385.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
3,800.0	3,006.9	90.00	153.31	0.00	-789.5	396.7	883.6
3,900.0	3,006.9	90.00	153.31	0.00	-878.8	441.6	983.6
4,000.0	3,006.9	90.00	153.30	0.00	-968.2	486.5	1,083.6
4,100.0	3,006.9	90.00	153.30	0.00	-1,057.5	531.5	1,183.6
4,200.0	3,006.9	90.00	153.29	0.00	-1,146.9	576.4	1,283.6
4,300.0	3,006.9	89.99	153.29	0.00	-1,236.2	621.4	1,383.6
4,400.0	3,006.9	89.99	153.28	0.00	-1,325.5	666.3	1,483.6
4,500.0	3,006.9	89.99	153.27	0.00	-1,414.8	711.3	1,583.6
4,600.0	3,006.9	89.99	153.27	0.00	-1,504.1	756.3	1,683.6
4,700.0	3,007.0	89.99	153.26	0.00	-1,593.5	801.2	1,783.6
4,800.0	3,007.0	89.98	153.26	0.00	-1,682.8	846.2	1,883.6
4,841.7	3,007.0	89.98	153.26	0.00	-1,720.0	865.0	1,925.3

TD Lateral

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
KOP - plan hits target - Point	0.00	0.00	2,796.0	0.0	0.0	2,172,172.71	1,300,964.79	36° 57' 49.536 N	107° 24' 42.912 W
Land Curve - plan hits target - Point	0.00	0.00	3,007.0	-188.5	94.8	2,171,983.07	1,301,057.28	36° 57' 47.672 N	107° 24' 41.744 W
Enter Coal - plan hits target - Point	0.00	0.00	2,996.0	-128.4	64.6	2,172,043.54	1,301,027.82	36° 57' 48.266 N	107° 24' 42.116 W
TD Lateral - plan hits target - Point	0.00	0.00	3,007.0	-1,720.0	865.0	2,170,442.29	1,301,808.75	36° 57' 32.530 N	107° 24' 32.255 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,841.0	3,007.0	Liner	4-1/2	6-1/4

Checked By: _____ Approved By: _____ Date: _____